

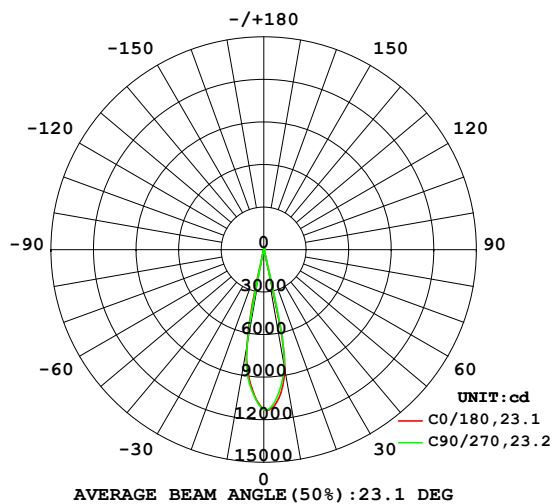
TLO025-41 CMA1516-30G-H-NOU 3000K CRI90 20D(Actual 23.1D) NA

LUMINAIRE PHOTOMETRIC TEST REPORT

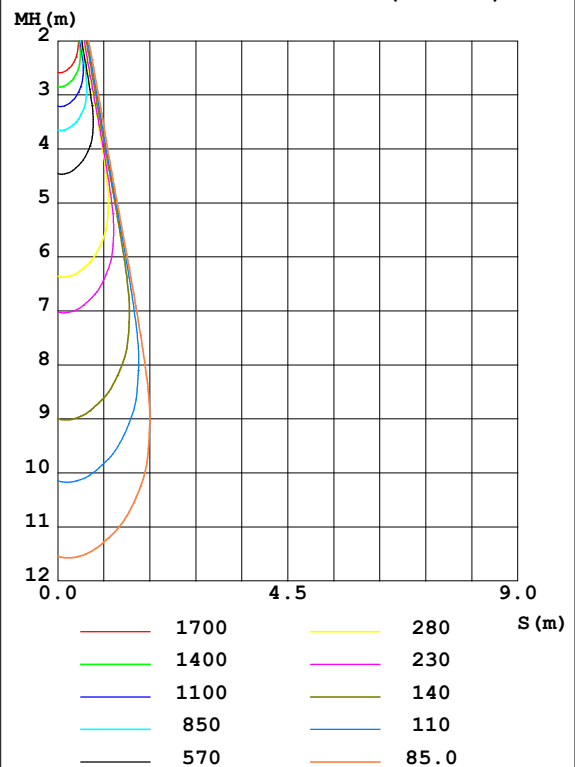
NAME: TLO025-41	TYPE:3000K CRI90 23.1D	WEIGHT:1
SPEC.:ES-LD024H-CU06040-M26D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:54	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 57.28 lm/W			
MODEL	CMA1516-30G-H-NOU	Imax(cd)	11387	S/MH(C0/180)	0.32
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	0.30
RATED VOLTAGE(V)	110	TOTAL FLUX(lm)	1458.0	η UP,DN(C0-180)	1.2,54.1
NOMINAL FLUX(lm)	1458.04	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.2,43.4
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	110	η down(%)	97.6	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2025-02-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO025-41 CMA1516-30G-H-NOU 3000K CRI90 20D(Actual 23.1D) NA

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	860.1	866.7	838.3	765.7	698.7	674.5	686.5	773.5	0- 10	903.4	903.4	62,62
20	12.57	13.99	14.02	11.78	9.804	8.992	8.845	10.17	10- 20	470.4	1374	94.2,94.2
30	2.308	2.471	2.510	2.288	2.067	1.946	1.937	2.048	20- 30	22.41	1396	95.8,95.8
40	0.9389	0.9876	1.000	0.9443	0.8873	0.8655	0.8819	0.9011	30- 40	8.641	1405	96.4,96.4
50	0.6021	0.6289	0.6501	0.6293	0.5982	0.5817	0.5940	0.5996	40- 50	5.851	1411	96.8,96.8
60	0.4530	0.4704	0.4702	0.4462	0.4202	0.4058	0.4092	0.4287	50- 60	4.551	1415	97.1,97.1
70	0.3417	0.3517	0.3478	0.3226	0.2929	0.2860	0.2916	0.3187	60- 70	3.797	1419	97.3,97.3
80	0.1596	0.1655	0.1656	0.1510	0.1302	0.1252	0.1318	0.1464	70- 80	2.484	1422	97.5,97.5
90	0.0297	0.0288	0.0293	0.0304	0.0291	0.0277	0.0297	0.0262	80- 90	0.7543	1422	97.6,97.6
100	0.0331	0.0326	0.0327	0.0328	0.0368	0.0371	0.0367	0.0366	90-100	0.3440	1423	97.6,97.6
110	0.0365	0.0371	0.0363	0.0352	0.0368	0.0361	0.0368	0.0363	100-110	0.3825	1423	97.6,97.6
120	0.0350	0.0345	0.0344	0.0333	0.0322	0.0312	0.0316	0.0314	110-120	0.3380	1423	97.6,97.6
130	0.1616	0.1424	0.1380	0.1752	0.1895	0.2086	0.2068	0.1662	120-130	0.5311	1424	97.7,97.7
140	1.115	1.077	1.090	1.181	1.191	1.231	1.220	1.124	130-140	4.581	1428	98,98
150	2.221	2.197	2.204	2.253	2.269	2.295	2.301	2.254	140-150	10.83	1439	98.7,98.7
160	2.481	2.446	2.513	2.497	2.554	2.511	2.541	2.381	150-160	11.15	1450	99.5,99.5
170	1.704	1.775	1.807	1.824	1.743	1.711	1.594	1.496	160-170	6.353	1457	99.9,99.9
180	0.6581	0.6734	0.6372	0.6611	0.6566	0.6725	0.6368	0.6604	170-180	1.210	1458	100,100
DEG	LUMINOUS INTENSITY: $\times 10\text{cd}$									UNIT: 1m		

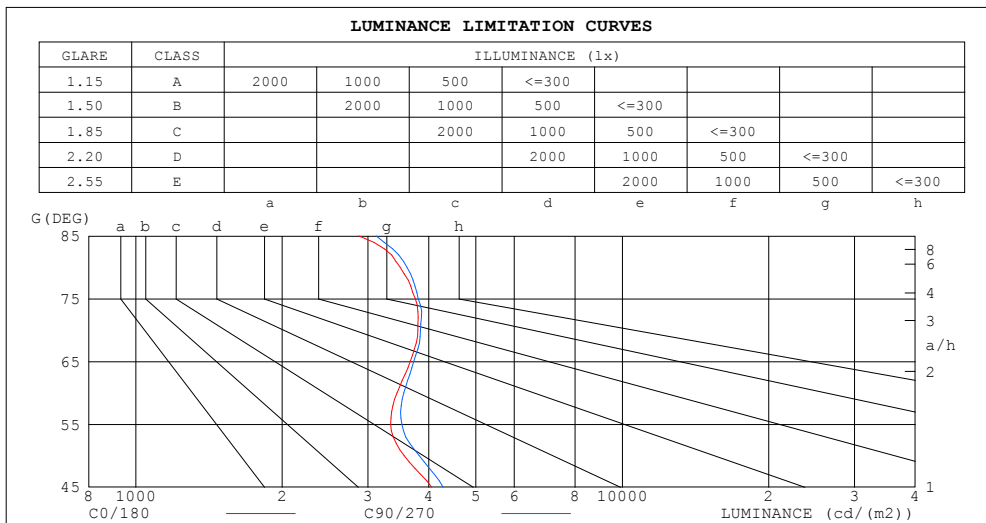
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 28DEG
 Operators: LXJ
 Test Date: 2025-02-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 5.190m [K=1.0000]
 Remarks:

TLO025-41 CMA1516-30G-H-NOU 3000K CRI90 20D(Actual 23.1D) NA

LUMINANCE LIMITATION CURVES

NAME: TLO025-41	TYPE:3000K CRI90 23.1D	WEIGHT:1
SPEC.:ES-LD024H-CU06040-M26D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:54	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2874	3119
80	3496	3609
75	3755	3806
70	3800	3847
65	3665	3729
60	3446	3558
55	3343	3523
50	3563	3826
45	4055	4284

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2025-02-10

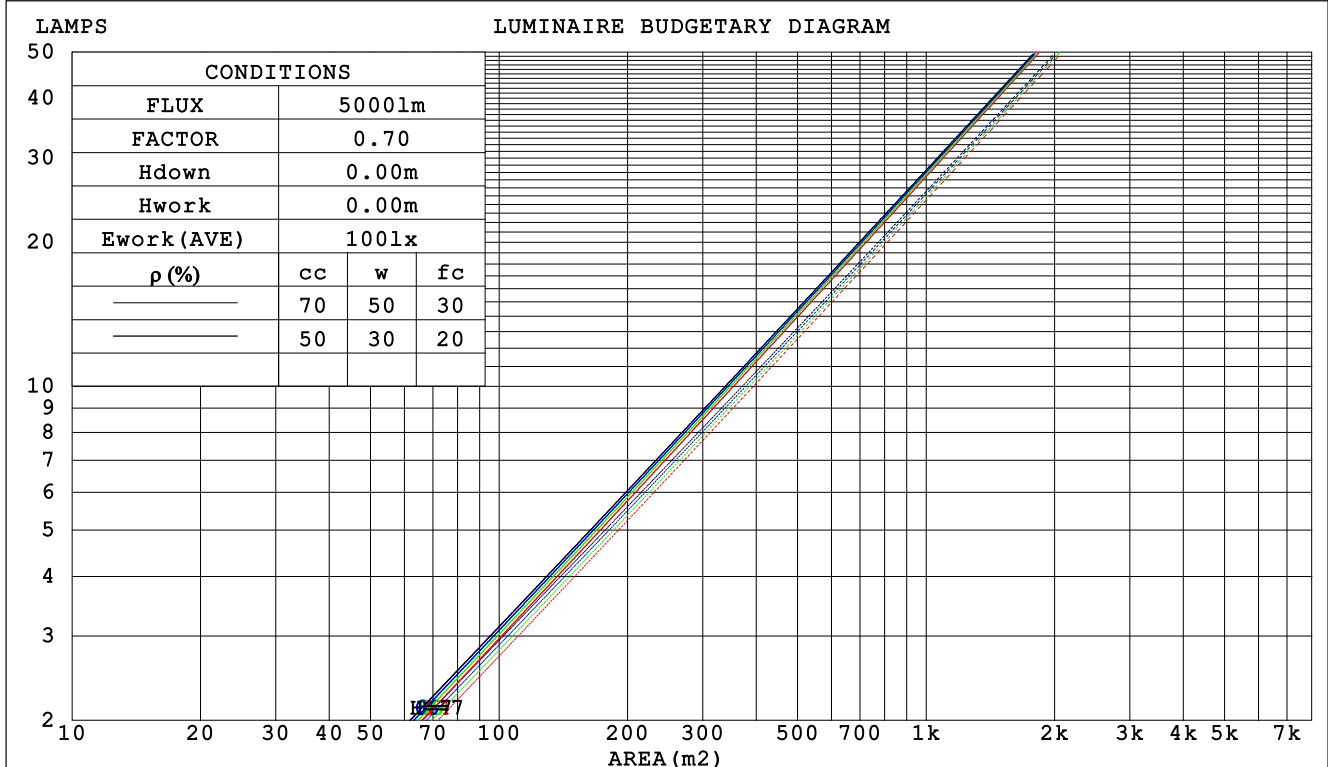
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO025-41 CMA1516-30G-H-NOU 3000K CRI90 20D(Actual 23.1D) NA

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: TLO025-41	TYPE:3000K CRI90 23.1D	WEIGHT:1
SPEC.:ES-LD024H-CU06040-M26D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:54	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.05	1.05	1.05	.00	.00	.00	.98
1.0	1.13	1.12	1.10	1.11	1.09	1.08	1.06	1.05	1.04	1.02	1.02	1.01	.99	.98	.98	.96
2.0	1.09	1.06	1.04	1.07	1.05	1.03	1.04	1.02	1.00	1.01	.99	.98	.98	.97	.96	.94
3.0	1.06	1.03	1.00	1.04	1.01	.99	1.01	.99	.97	.99	.97	.96	.96	.95	.94	.93
4.0	1.03	.99	.97	1.01	.99	.96	.99	.97	.95	.97	.95	.94	.95	.94	.92	.91
5.0	1.00	.97	.94	.99	.96	.94	.97	.95	.93	.96	.94	.92	.94	.92	.91	.90
6.0	.98	.95	.92	.97	.94	.92	.96	.93	.91	.94	.92	.91	.93	.91	.90	.89
7.0	.96	.93	.91	.95	.92	.90	.94	.92	.90	.93	.91	.89	.92	.90	.89	.88
8.0	.94	.91	.89	.94	.91	.89	.93	.90	.88	.92	.90	.88	.91	.89	.87	.87
9.0	.93	.90	.88	.92	.89	.87	.91	.89	.87	.91	.88	.87	.90	.88	.86	.86
10.0	.91	.88	.86	.91	.88	.86	.90	.88	.86	.90	.87	.86	.89	.87	.85	.85



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2025-02-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO025-41 CMA1516-30G-H-NOU 3000K CRI90 20D(Actual 23.1D) NA

WEC AND CCEC

NAME: TLO025-41	TYPE:3000K CRI90 23.1D	WEIGHT:1
SPEC.:ES-LD024H-CU06040-M26D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:54	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.119	.068	.021	.112	.064	.020	.098	.056	.018	.086	.049	.016	.074	.043	.014		
2.0	.108	.059	.018	.102	.056	.017	.090	.050	.016	.080	.045	.014	.070	.040	.013		
3.0	.098	.052	.016	.093	.050	.015	.084	.045	.014	.075	.041	.013	.067	.037	.011		
4.0	.090	.047	.014	.086	.045	.013	.078	.041	.012	.071	.038	.011	.064	.035	.011		
5.0	.084	.043	.012	.080	.041	.012	.073	.038	.011	.067	.035	.010	.061	.033	.010		
6.0	.078	.039	.011	.075	.038	.011	.069	.035	.010	.063	.033	.010	.058	.031	.009		
7.0	.073	.036	.010	.070	.035	.010	.065	.033	.009	.060	.031	.009	.056	.029	.009		
8.0	.069	.034	.009	.066	.033	.009	.062	.031	.009	.058	.029	.008	.054	.028	.008		
9.0	.065	.031	.009	.063	.031	.009	.059	.029	.008	.055	.028	.008	.052	.026	.008		
10.0	.062	.030	.008	.060	.029	.008	.056	.028	.008	.053	.026	.007	.050	.025	.007		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.209	.209	.209	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.186	.177	.168	.159	.152	.145	.109	.104	.100	.063	.060	.058	.020	.019	.019	
2.0	.167	.152	.139	.143	.131	.120	.098	.090	.084	.056	.053	.049	.018	.017	.016	
3.0	.150	.132	.118	.129	.114	.102	.089	.079	.072	.051	.046	.042	.016	.015	.014	
4.0	.137	.117	.101	.117	.101	.088	.081	.070	.062	.047	.041	.037	.015	.013	.012	
5.0	.125	.104	.088	.108	.090	.077	.074	.063	.054	.043	.037	.032	.014	.012	.011	
6.0	.116	.094	.078	.099	.081	.068	.069	.057	.048	.040	.033	.029	.013	.011	.009	
7.0	.107	.085	.070	.092	.074	.061	.064	.052	.043	.037	.030	.026	.012	.010	.008	
8.0	.100	.078	.063	.086	.068	.055	.060	.048	.039	.035	.028	.023	.011	.009	.008	
9.0	.094	.072	.057	.081	.063	.050	.056	.044	.036	.033	.026	.021	.011	.009	.007	
10.0	.089	.067	.053	.076	.058	.046	.053	.041	.033	.031	.024	.020	.010	.008	.006	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2025-02-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO025-41 CMA1516-30G-H-NOU 3000K CRI90 20D(Actual 23.1D) NA

UGR(Unified Glare Rating) Table

NAME: TLO025-41					TYPE:3000K CRI90 23.1D			WEIGHT:1			
SPEC.:ES-LD024H-CU06040-M26D					DIM.:			SERIAL No.:			
MFR.: ENCORE					SUR.:54			Shielding Angle:			
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H y = 2H	3H	3.1	3.6	3.3	3.7	3.9	3.3	3.8	3.5	3.9	4.1
	4H	5.0	5.4	5.2	5.6	5.9	5.1	5.6	5.4	5.8	6.0
	6H	5.8	6.3	6.1	6.5	6.7	5.9	6.4	6.2	6.6	6.9
	8H	6.4	6.9	6.7	7.1	7.4	6.6	7.0	6.9	7.3	7.5
	12H	6.6	7.0	7.0	7.3	7.6	6.8	7.2	7.1	7.5	7.8
	12H	6.7	7.1	7.1	7.4	7.7	6.9	7.3	7.2	7.6	7.9
4H	2H	3.9	4.3	4.1	4.5	4.8	4.0	4.5	4.3	4.7	4.9
	3H	5.9	6.3	6.3	6.6	6.9	6.1	6.5	6.4	6.8	7.1
	4H	6.9	7.3	7.3	7.6	7.9	7.0	7.4	7.4	7.7	8.1
	6H	7.6	8.0	8.0	8.3	8.7	7.7	8.1	8.2	8.4	8.8
	8H	7.9	8.2	8.3	8.6	9.0	8.0	8.3	8.4	8.7	9.1
	12H	8.0	8.3	8.4	8.7	9.1	8.2	8.4	8.6	8.9	9.3
8H	4H	7.2	7.5	7.7	7.9	8.3	7.3	7.7	7.8	8.0	8.4
	6H	8.1	8.4	8.6	8.8	9.3	8.2	8.5	8.7	8.9	9.4
	8H	8.4	8.7	8.9	9.1	9.6	8.6	8.8	9.0	9.2	9.7
	12H	8.7	8.9	9.2	9.3	9.9	8.8	9.0	9.3	9.5	10.0
12H	4H	7.3	7.5	7.7	7.9	8.4	7.4	7.6	7.8	8.0	8.5
	6H	8.2	8.4	8.7	8.9	9.3	8.3	8.5	8.8	9.0	9.5
	8H	8.5	8.7	9.0	9.2	9.7	8.7	8.9	9.2	9.3	9.9
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H		+ 0.1 / - 0.2					+ 0.1 / - 0.2				
2.0H		+ 0.1 / - 0.2					+ 0.1 / - 0.2				

CIE Pub.117, 1458 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.3)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:LXJ
Test Date:2025-02-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO025-41 CMA1516-30G-H-NOU 3000K CRI90 20D(Actual 23.1D) NA

UTILIZATION FACTORS TABLE

NAME: TLO025-41	TYPE:3000K CRI90 23.1D	WEIGHT:1
SPEC.:ES-LD024H-CU06040-M26D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:54	Shielding Angle:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	84	80	89	83	80	88	83	80	76
0.80	96	91	88	96	91	87	94	90	87	83
1.00	100	95	92	99	94	91	97	94	91	87
1.25	104	99	96	103	98	95	100	97	94	90
1.50	106	102	99	105	101	98	102	99	97	92
2.00	109	105	102	107	103	101	104	101	99	93
2.50	110	107	104	108	105	103	105	102	101	94
3.00	112	108	106	110	107	105	106	104	102	95
4.00	114	111	109	111	109	107	107	106	104	97
5.00	115	113	111	112	111	109	108	107	106	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHR _{NOM} = 1.25		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: LXJ
Test Date: 2025-02-10

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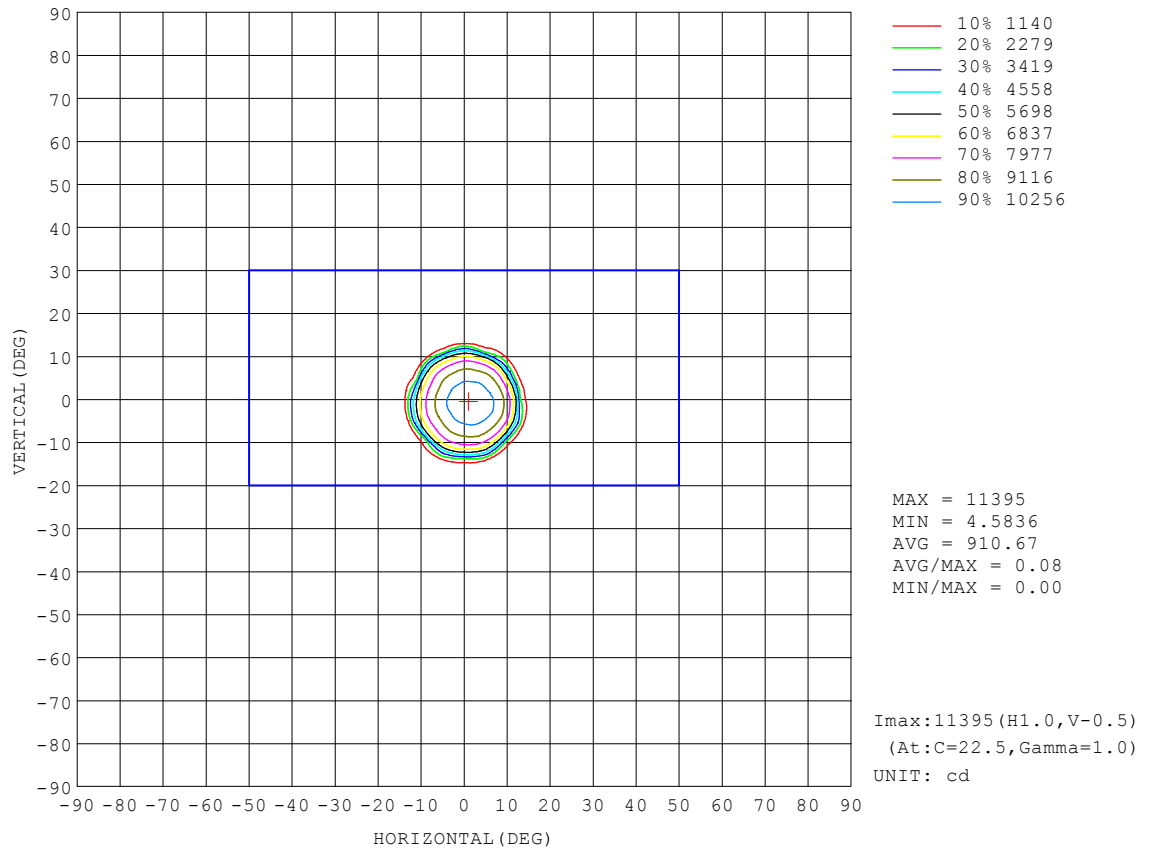
Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

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TLO025-41 CMA1516-30G-H-NOU 3000K CRI90 20D(Actual 23.1D) NA

ISOCANDELA DIAGRAM

NAME: TLO025-41	TYPE:3000K CRI90 23.1D	WEIGHT:1
SPEC.:ES-LD024H-CU06040-M26D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:54	Shielding Angle:



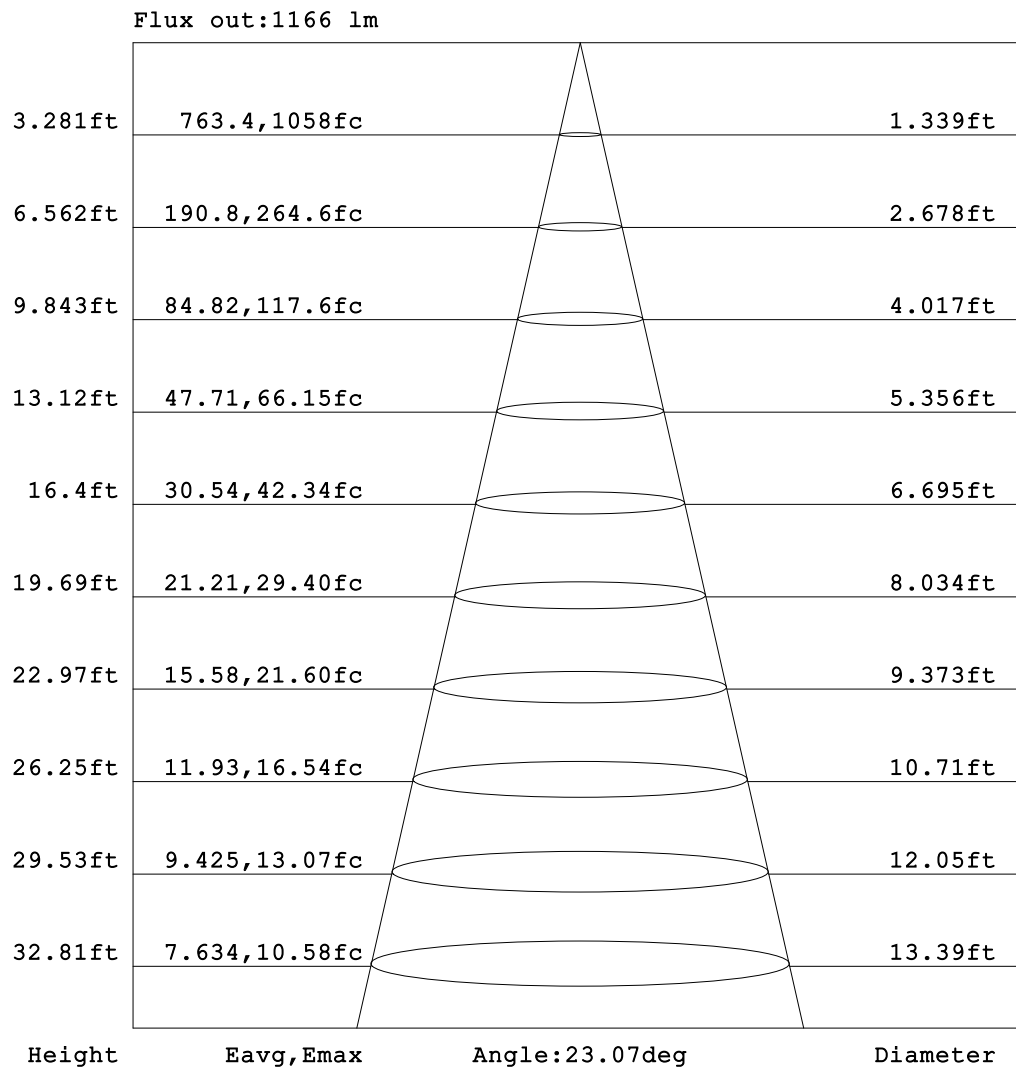
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Test Speed: HIGH
Temperature:28DEG
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γ Range: 0 - 180DEG
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Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO025-41 CMA1516-30G-H-NOU 3000K CRI90 20D(Actual 23.1D) NA

AAI Figure

NAME: TLO025-41	TYPE:3000K CRI90 23.1D	WEIGHT:1
SPEC.:ES-LD024H-CU06040-M26D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:54	Shielding Angle:



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

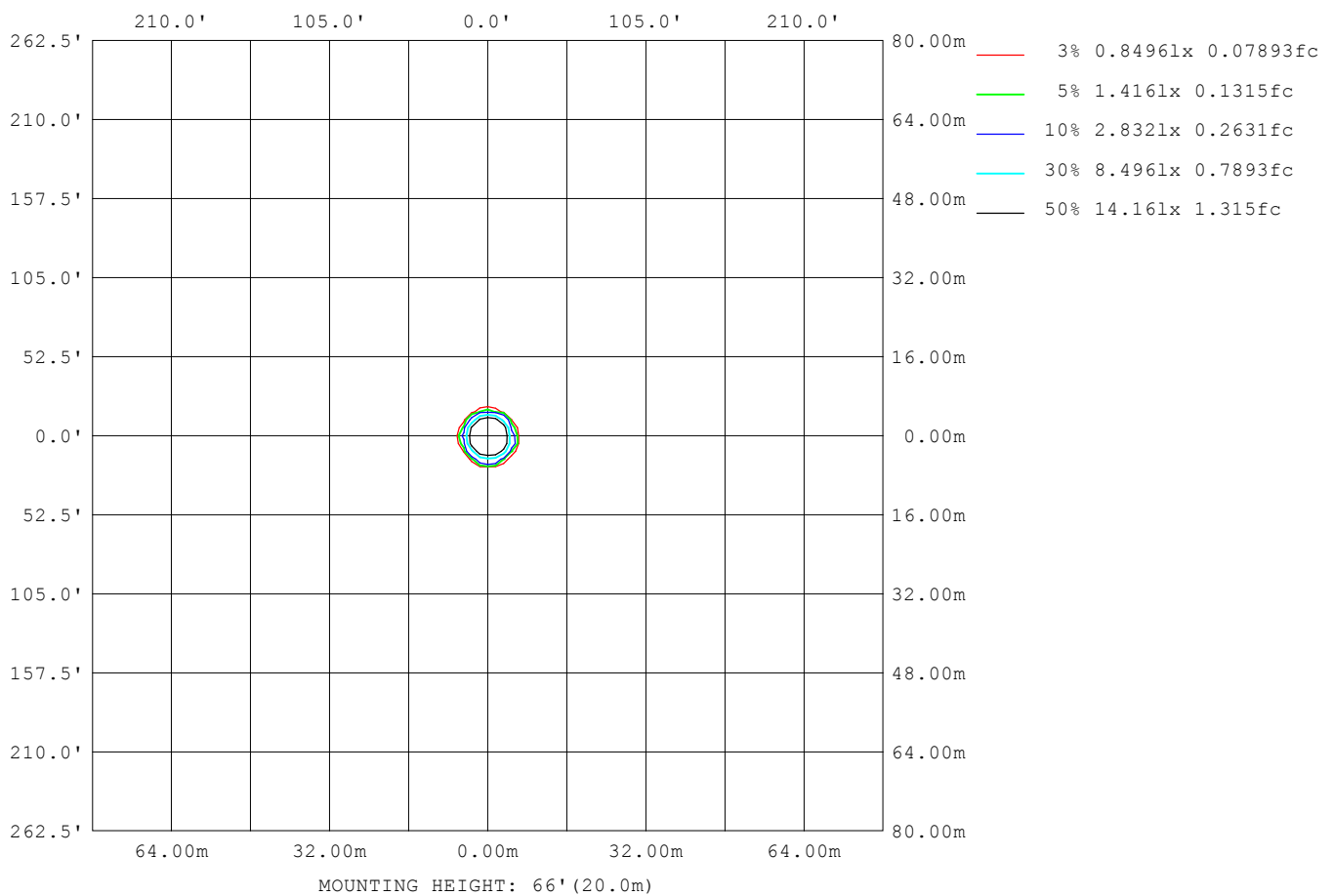
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Humidity:65.0%
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Remarks:

TLO025-41 CMA1516-30G-H-NOU 3000K CRI90 20D(Actual 23.1D) NA

ISOLUX DIAGRAM

NAME: TLO025-41	TYPE:3000K CRI90 23.1D	WEIGHT:1
SPEC.:ES-LD024H-CU06040-M26D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:54	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO025-41 CMA1516-30G-H-NOU 3000K CRI90 20D(Actual 23.1D) NA

LED Avg.L Report

NAME: TLO025-41	TYPE:3000K CRI90 23.1D	WEIGHT:1
SPEC.:ES-LD024H-CU06040-M26D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:54	Shielding Angle:

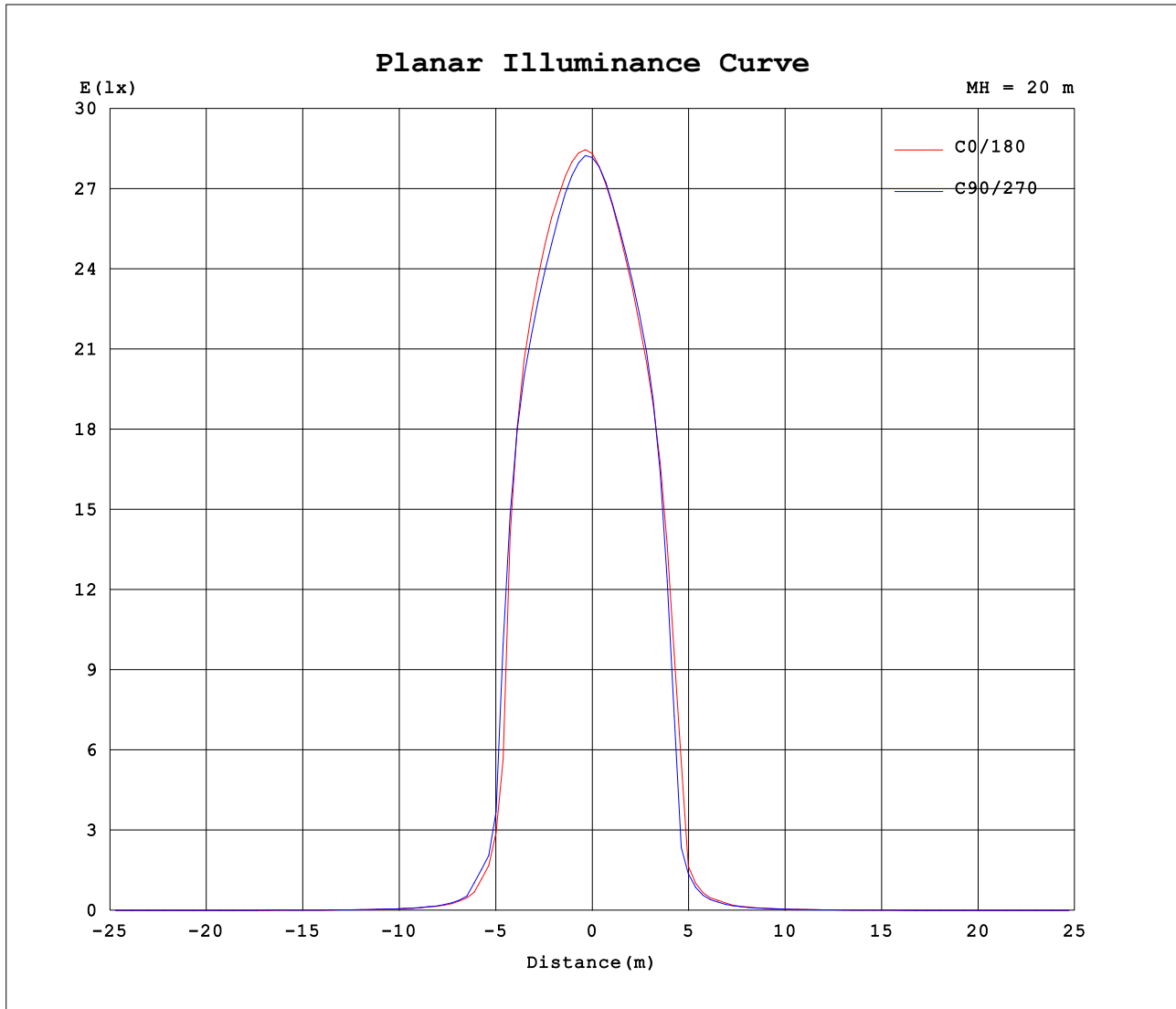
AvgL	cd/m2
L_0~180 (65) av	3448
L_0~180 (75) av	3418
L_0~180 (85) av	2603
L_90~270 (65) av	3455
L_90~270 (75) av	3464
L_90~270 (85) av	2677
L_45 (65) av	3456
L_45 (75) av	3458
L_45 (85) av	2590

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:28DEG
 Operators:LXJ
 Test Date:2025-02-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.190m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: LXJ
Test Date: 2025-02-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.190m [K=1.0000]
Remarks:

TLO025-41 CMA1516-30G-H-NOU 3000K CRI90 20D(Actual 23.1D) NA

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO025-41	TYPE:3000K CRI90 23.1D	WEIGHT:1
SPEC.:ES-LD024H-CU06040-M26D	DIM.:	SERIAL No.:
MFR.: ENCORE	SUR.:54	Shielding Angle:

Table--1

UNIT: ×10cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	1128	1128	1128	1128	1128	1128	1128	1128	1128	1128	1128	1128	1128	1128	1128	1128			
5	1076	1088	1075	1074	1050	1034	1008	1000	981	971	975	976	994	1008	1036	1049			
10	860	887	867	868	838	820	766	750	699	662	674	647	687	699	774	798			
15	74.8	96.0	91.0	103	91.5	89.0	64.1	59.9	45.2	51.1	39.4	46.5	38.6	44.8	51.2	69.1			
20	12.6	15.1	14.0	15.8	14.0	15.3	11.8	11.4	9.80	8.95	8.99	8.50	8.84	8.88	10.2	10.6			
25	4.56	5.04	4.96	5.23	5.01	4.96	4.45	4.37	3.94	3.66	3.66	3.53	3.62	3.62	3.93	4.07			
30	2.31	2.47	2.47	2.58	2.51	2.47	2.29	2.23	2.07	1.96	1.95	1.90	1.94	1.94	2.05	2.11			
35	1.36	1.43	1.44	1.50	1.46	1.44	1.36	1.33	1.25	1.20	1.20	1.18	1.20	1.20	1.25	1.26			
40	0.94	0.98	0.99	1.01	1.00	0.99	0.94	0.93	0.89	0.87	0.87	0.87	0.88	0.88	0.90	0.90			
45	0.75	0.77	0.78	0.80	0.80	0.79	0.77	0.76	0.74	0.72	0.72	0.74	0.74	0.74	0.75	0.74			
50	0.60	0.62	0.63	0.65	0.65	0.65	0.63	0.62	0.60	0.58	0.58	0.59	0.59	0.59	0.60	0.59			
55	0.50	0.52	0.53	0.54	0.53	0.53	0.51	0.51	0.49	0.48	0.47	0.47	0.48	0.48	0.49	0.49			
60	0.45	0.46	0.47	0.48	0.47	0.46	0.45	0.44	0.42	0.41	0.41	0.41	0.41	0.42	0.43	0.44			
65	0.41	0.42	0.42	0.42	0.42	0.41	0.39	0.38	0.36	0.35	0.35	0.35	0.35	0.36	0.38	0.39			
70	0.34	0.35	0.35	0.36	0.35	0.34	0.32	0.31	0.29	0.28	0.29	0.29	0.29	0.30	0.32	0.32			
75	0.26	0.27	0.26	0.27	0.26	0.26	0.24	0.23	0.21	0.20	0.21	0.21	0.21	0.22	0.24	0.24			
80	0.16	0.17	0.17	0.17	0.17	0.16	0.15	0.15	0.13	0.12	0.13	0.13	0.13	0.13	0.15	0.14			
85	0.07	0.07	0.07	0.08	0.07	0.07	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.05			
90	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03			
95	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03			
100	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04			
105	0.04	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04			
110	0.04	0.04	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04			
115	0.04	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03			
120	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03			
125	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04			
130	0.16	0.14	0.14	0.13	0.14	0.14	0.18	0.18	0.19	0.22	0.21	0.22	0.21	0.20	0.17	0.16			
135	0.55	0.51	0.52	0.50	0.52	0.54	0.60	0.62	0.61	0.64	0.64	0.66	0.63	0.61	0.55	0.53			
140	1.11	1.07	1.08	1.06	1.09	1.11	1.18	1.21	1.19	1.24	1.23	1.26	1.22	1.20	1.12	1.09			
145	1.73	1.70	1.69	1.68	1.70	1.72	1.79	1.81	1.80	1.84	1.84	1.87	1.83	1.82	1.75	1.72			
150	2.22	2.20	2.20	2.19	2.20	2.22	2.25	2.26	2.27	2.30	2.30	2.32	2.30	2.30	2.25	2.23			
155	2.41	2.40	2.40	2.41	2.41	2.42	2.43	2.43	2.45	2.47	2.46	2.48	2.46	2.46	2.44	2.42			
160	2.48	2.46	2.45	2.49	2.51	2.51	2.50	2.51	2.55	2.54	2.51	2.54	2.54	2.47	2.38	2.32			
165	2.28	2.26	2.25	2.32	2.38	2.36	2.31	2.31	2.35	2.29	2.26	2.29	2.29	2.15	2.02	1.96			
170	1.70	1.76	1.78	1.83	1.81	1.86	1.82	1.80	1.74	1.76	1.71	1.64	1.59	1.55	1.50	1.41			
175	1.06	1.11	1.10	1.10	1.06	1.12	1.15	1.13	1.07	1.07	1.07	0.97	0.90	0.92	0.90	0.81			
180	0.66	0.64	0.67	0.62	0.64	0.61	0.66	0.60	0.66	0.64	0.67	0.62	0.64	0.61	0.66	0.60			

C Range: 0 - 360DEG
C Interval: 22.5DEG
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