

Luminaire Photograph



Light Output Ratio:	82.7%	
Luminaire Power:	19.87 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	0.30	fine grid method.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2025-5-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 3.160m [K=1.0000]
Remarks: LAMP: BXRE-30G10TH-A-83 Ra:90
LENS: 24R
DRIVER: 9290 039 225 500mA
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

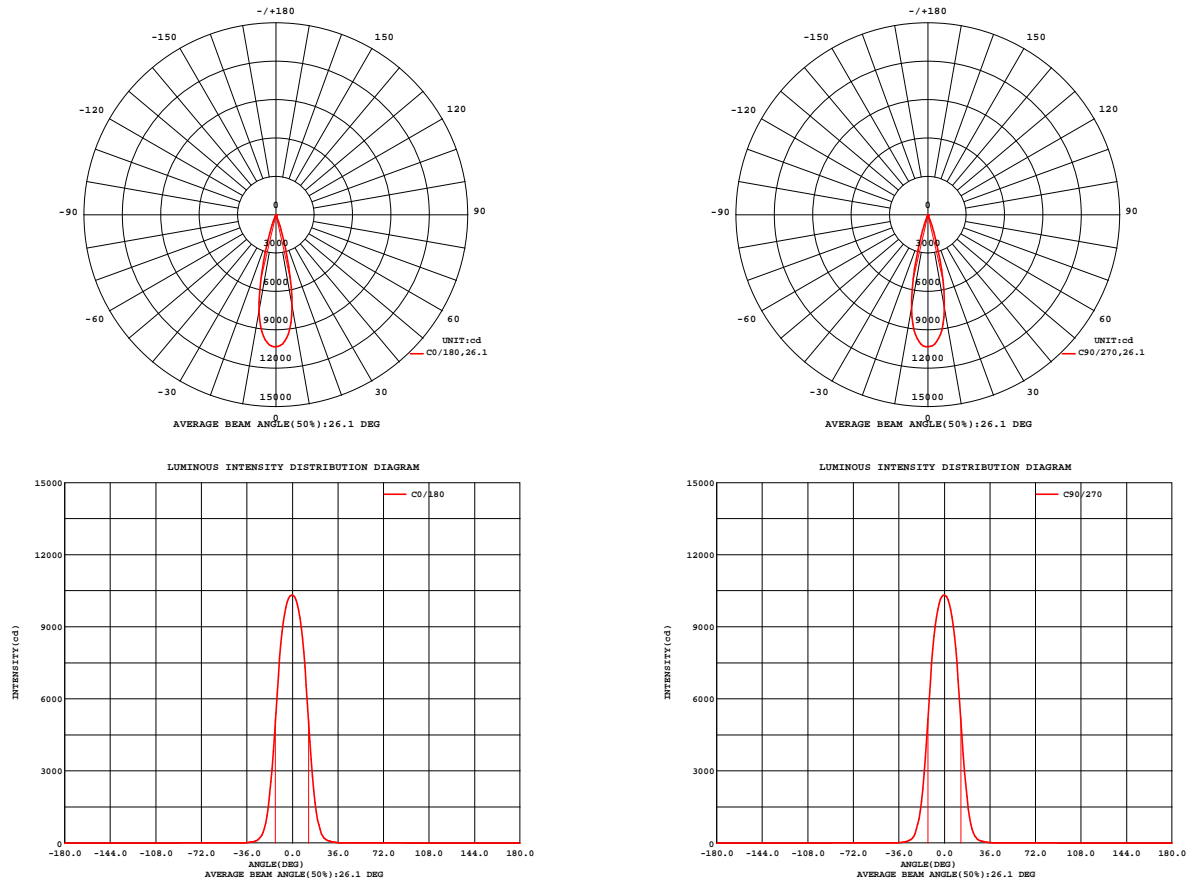


Fig. C0/C180

Fig. C90/C270

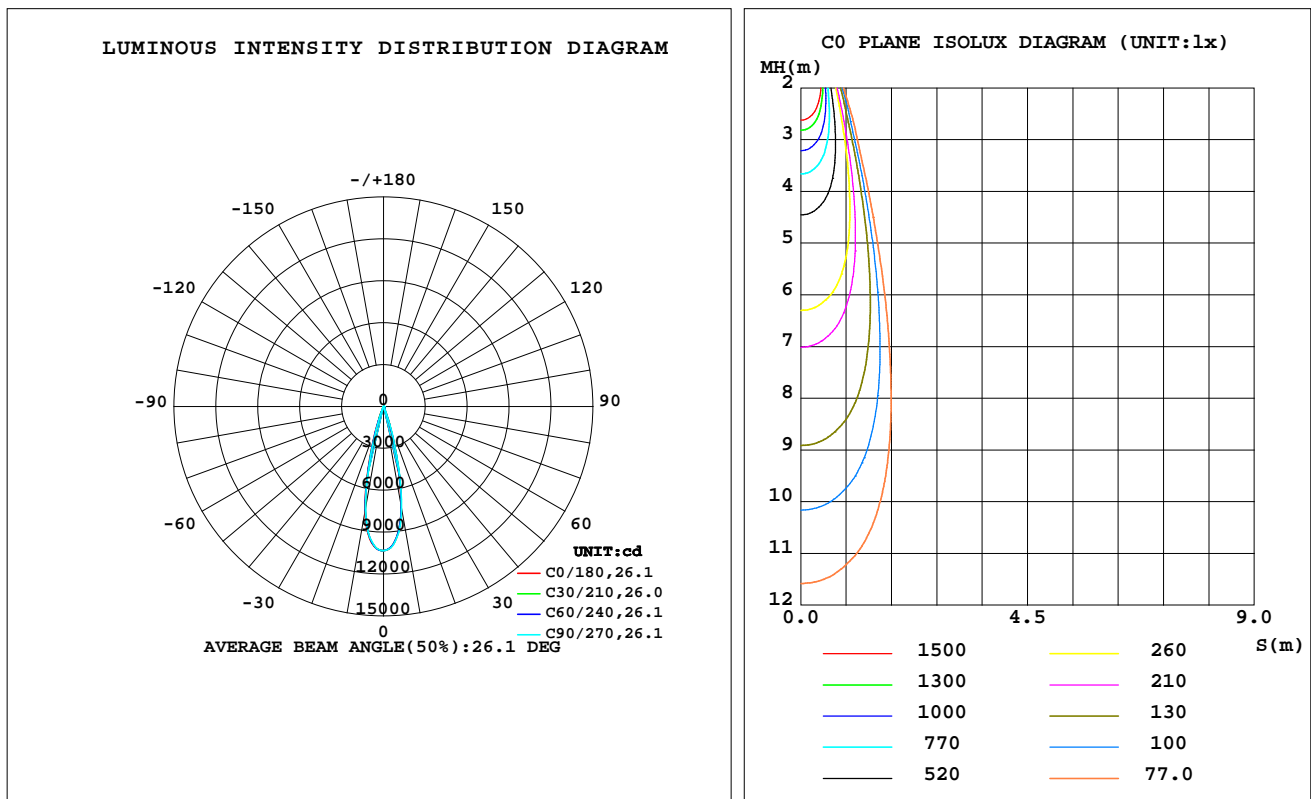
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2025-5-10

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Humidity: 65.0%
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Remarks: LAMP: BXRE-30G10TH-A-83 Ra: 90
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30minutes warm-up

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.08V I:0.0929A P:19.871W PF:0.9690 Freq:49.99Hz Lamp Flux:2442.23x1 lm		
NAME: 2518.102	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2505100264
MFR.: RISE	SUR.: 0.006217985m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 101.68 lm/W			
MODEL	Brideglux	I _{max} (cd)	10315	S/MH(C0/180)	0.42
NOMINAL POWER(W)	20	LOR(%)	82.7	S/MH(C90/270)	0.41
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	2020.5	η UP,DN(C0-180)	0.0,41.3
NOMINAL FLUX(lm)	2442.23	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,41.4
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220	η down(%)	82.7	CIBSE SHR MAX	0.30



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ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	731.0	734.3	746.7	763.0	767.6	754.5	744.1	740.9	0- 10	859.2	859.2	42.5,35.2
20	95.62	101.9	106.2	110.8	112.5	107.2	98.70	98.10	10- 20	998.7	1858	91.9,76.1
30	6.891	7.083	6.664	7.256	6.527	6.945	6.295	6.505	20- 30	144.7	2003	99.1,82
40	0.5537	0.6755	0.6622	0.6500	0.4814	0.4625	0.5157	0.5186	30- 40	15.93	2018	99.9,82.6
50	0.0152	0.0272	0.0323	0.0320	0.0153	0.0079	0.0077	0.0087	40- 50	1.943	2020	100,82.7
60	0.0050	0.0058	0.0073	0.0066	0.0048	0.0036	0.0048	0.0042	50- 60	0.0632	2020	100,82.7
70	0.0031	0.0011	0.0014	0.0010	0.0019	0.0010	0.0021	0.0011	60- 70	0.0308	2020	100,82.7
80	0.0046	0.0014	0.0032	0.0013	0.0035	0.0018	0.0042	0.0018	70- 80	0.0199	2021	100,82.7
90	0	0	0	0	0	0	0	0	80- 90	0.0256	2021	100,82.7
100	0	0	0	0	0	0	0	0	90-100	0	2021	100,82.7
110	0	0	0	0	0	0	0	0	100-110	0	2021	100,82.7
120	0	0	0	0	0	0	0	0	110-120	0	2021	100,82.7
130	0	0	0	0	0	0	0	0	120-130	0	2021	100,82.7
140	0	0	0	0	0	0	0	0	130-140	0	2021	100,82.7
150	0	0	0	0	0	0	0	0	140-150	0	2021	100,82.7
160	0	0	0	0	0	0	0	0	150-160	0	2021	100,82.7
170	0	0	0	0	0	0	0	0	160-170	0	2021	100,82.7
180	0	0	0	0	0	0	0	0	170-180	0	2021	100,82.7
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

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Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
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30minutes warm-up

LUMINANCE LIMITATION CURVES

Test:U:220.08V I:0.0929A P:19.871W PF:0.9690 Freq:49.99Hz
Lamp Flux:2442.23x1 lm

NAME: 2518.102

TYPE:

WEIGHT:

SPEC.: 3000K

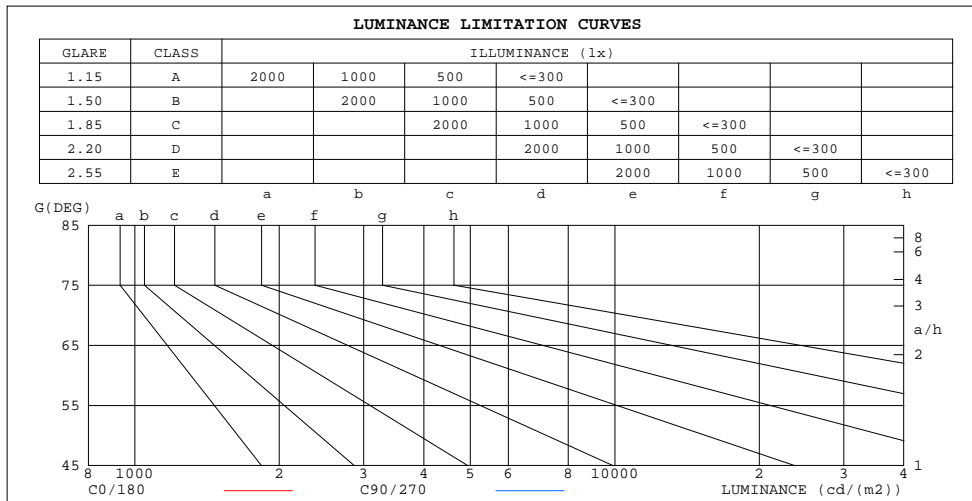
DIM.:

SERIAL No.: 2505100264

MFR.: RISE

SUR.: 0.006217985m2

Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	87	69
80	43	30
75	25	13
70	14	6
65	15	16
60	16	24
55	17	25
50	38	81
45	592	566

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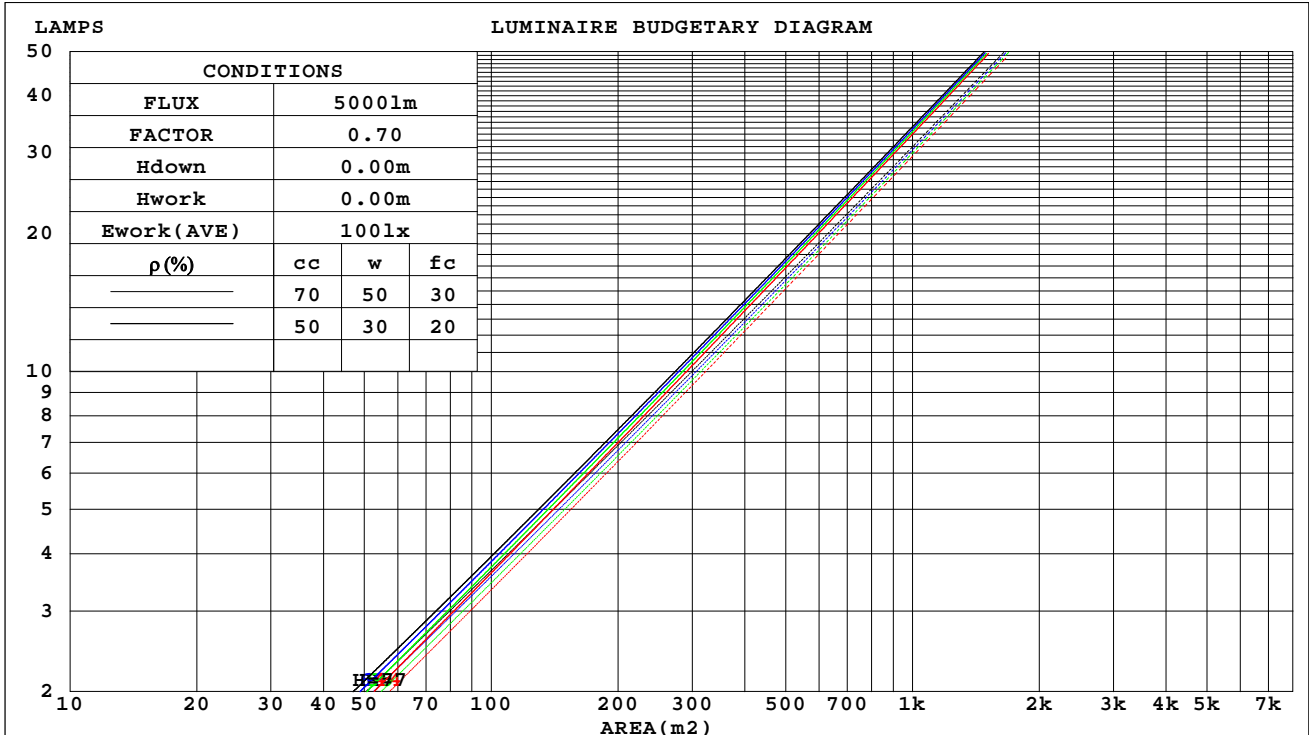
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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MFR.: RISE	SUR.: 0.006217985m2	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						Coefficients of Utilization(CU)									
0.0	.98	.98	.98	.96	.96	.96	.92	.92	.92	.88	.88	.88	.84	.84	.84	.83
1.0	.94	.92	.91	.92	.91	.90	.89	.88	.87	.86	.85	.84	.83	.83	.82	.81
2.0	.90	.88	.86	.89	.87	.85	.86	.85	.83	.84	.83	.81	.82	.81	.80	.79
3.0	.87	.84	.82	.86	.83	.81	.84	.82	.80	.82	.80	.79	.80	.79	.78	.77
4.0	.84	.81	.79	.83	.80	.78	.81	.79	.77	.80	.78	.77	.79	.77	.76	.75
5.0	.81	.78	.76	.81	.78	.76	.79	.77	.75	.78	.76	.75	.77	.75	.74	.73
6.0	.79	.76	.74	.79	.76	.74	.78	.75	.73	.77	.74	.73	.76	.74	.72	.72
7.0	.77	.74	.72	.77	.74	.72	.76	.73	.71	.75	.73	.71	.74	.72	.71	.70
8.0	.75	.72	.70	.75	.72	.70	.74	.71	.70	.73	.71	.69	.73	.71	.69	.68
9.0	.73	.70	.68	.73	.70	.68	.72	.70	.68	.72	.70	.68	.71	.69	.68	.67
10.0	.72	.69	.67	.71	.69	.67	.71	.68	.67	.70	.68	.67	.70	.68	.66	.66



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WEC AND CCEC

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SPEC.: 3000K	DIM.:	SERIAL No.: 2505100264
MFR.: RISE	SUR.: 0.006217985m2	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	.104	.059	.019	.099	.056	.018	.088	.051	.016	.079	.046	.015	.070	.041	.013	
2.0	.095	.052	.016	.091	.050	.015	.082	.046	.014	.075	.042	.013	.068	.038	.012	
3.0	.088	.047	.014	.084	.045	.014	.077	.042	.013	.071	.039	.012	.065	.036	.011	
4.0	.082	.043	.013	.079	.041	.012	.073	.039	.012	.068	.036	.011	.063	.034	.010	
5.0	.077	.039	.011	.074	.038	.011	.069	.036	.011	.065	.034	.010	.061	.032	.010	
6.0	.072	.036	.010	.070	.035	.010	.066	.034	.010	.062	.032	.009	.058	.031	.009	
7.0	.069	.034	.010	.067	.033	.009	.063	.032	.009	.060	.031	.009	.056	.029	.009	
8.0	.065	.032	.009	.064	.031	.009	.060	.030	.009	.057	.029	.008	.055	.028	.008	
9.0	.062	.030	.008	.061	.030	.008	.058	.029	.008	.055	.028	.008	.053	.027	.008	
10.0	.060	.029	.008	.058	.028	.008	.056	.027	.008	.054	.027	.008	.051	.026	.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	.158	.158	.158	.135	.135	.135	.092	.092	.092	.053	.053	.053	.017	.017	.017		
1.0	.139	.131	.123	.119	.112	.106	.081	.077	.073	.047	.045	.043	.015	.014	.014		
2.0	.123	.110	.099	.105	.095	.085	.072	.065	.060	.042	.038	.035	.013	.012	.011		
3.0	.110	.094	.081	.094	.081	.070	.065	.056	.049	.037	.033	.029	.012	.011	.009		
4.0	.099	.081	.067	.085	.070	.058	.059	.049	.041	.034	.028	.024	.011	.009	.008		
5.0	.090	.070	.056	.077	.061	.049	.053	.043	.034	.031	.025	.020	.010	.008	.007		
6.0	.082	.062	.047	.071	.054	.041	.049	.038	.029	.028	.022	.017	.009	.007	.006		
7.0	.076	.055	.041	.065	.048	.035	.045	.033	.025	.026	.020	.015	.008	.006	.005		
8.0	.070	.049	.035	.060	.043	.031	.042	.030	.022	.024	.018	.013	.008	.006	.004		
9.0	.065	.045	.030	.056	.039	.027	.039	.027	.019	.023	.016	.011	.007	.005	.004		
10.0	.061	.041	.027	.053	.035	.023	.037	.025	.017	.021	.015	.010	.007	.005	.003		

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UGR(Unified Glare Rating) Table

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SPEC.: 3000K					DIM.:			SERIAL No.: 2505100264			
MFR.: RISE					SUR.: 0.006217985m2			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	2H	-5.7	-5.2	-5.5	-5.0	-4.9	-5.5	-4.9	-5.3	-4.8	-4.6
	3H	-5.9	-5.3	-5.6	-5.2	-5.0	-5.6	-5.1	-5.4	-4.9	-4.7
	4H	-6.0	-5.4	-5.7	-5.2	-5.0	-5.7	-5.2	-5.4	-5.0	-4.8
	6H	-6.0	-5.5	-5.8	-5.3	-5.1	-5.8	-5.3	-5.5	-5.1	-4.8
	8H	-6.1	-5.6	-5.8	-5.4	-5.1	-5.8	-5.4	-5.5	-5.1	-4.9
	12H	-6.1	-5.7	-5.8	-5.4	-5.1	-5.9	-5.4	-5.6	-5.2	-4.9
4H	2H	-6.0	-5.4	-5.7	-5.2	-5.0	-5.7	-5.2	-5.4	-5.0	-4.8
	3H	-6.1	-5.7	-5.8	-5.4	-5.2	-5.9	-5.4	-5.6	-5.2	-4.9
	4H	-6.2	-5.8	-5.9	-5.5	-5.2	-6.0	-5.6	-5.6	-5.3	-5.0
	6H	-6.3	-6.0	-6.0	-5.6	-5.3	-6.1	-5.7	-5.7	-5.4	-5.0
	8H	-6.4	-6.0	-6.0	-5.7	-5.3	-6.1	-5.8	-5.7	-5.4	-5.1
	12H	-6.4	-6.1	-6.0	-5.7	-5.4	-6.2	-5.9	-5.8	-5.5	-5.1
8H	4H	-6.4	-6.0	-6.0	-5.7	-5.3	-6.1	-5.8	-5.7	-5.4	-5.1
	6H	-6.5	-6.2	-6.1	-5.8	-5.4	-6.2	-6.0	-5.8	-5.6	-5.2
	8H	-6.6	-6.3	-6.1	-5.9	-5.4	-6.3	-6.0	-5.9	-5.6	-5.2
	12H	-6.6	-6.4	-6.1	-6.0	-5.5	-6.4	-6.1	-5.9	-5.7	-5.2
12H	4H	-6.4	-6.1	-6.0	-5.8	-5.4	-6.2	-5.9	-5.8	-5.5	-5.1
	6H	-6.6	-6.3	-6.1	-5.9	-5.5	-6.3	-6.0	-5.9	-5.6	-5.2
	8H	-6.6	-6.4	-6.2	-6.0	-5.5	-6.4	-6.1	-5.9	-5.7	-5.2
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 4.0 / -17.6					+ 4.2 / -19.4					
1.5H	+ 6.4 / -17.8					+ 6.8 / -19.4					
2.0H	+ 7.5 / -10.0					+ 7.4 / -10.6					

CIE Pub.117, 2442 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.1)
Area: 0.00621798 m2

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UTILIZATION FACTORS TABLE

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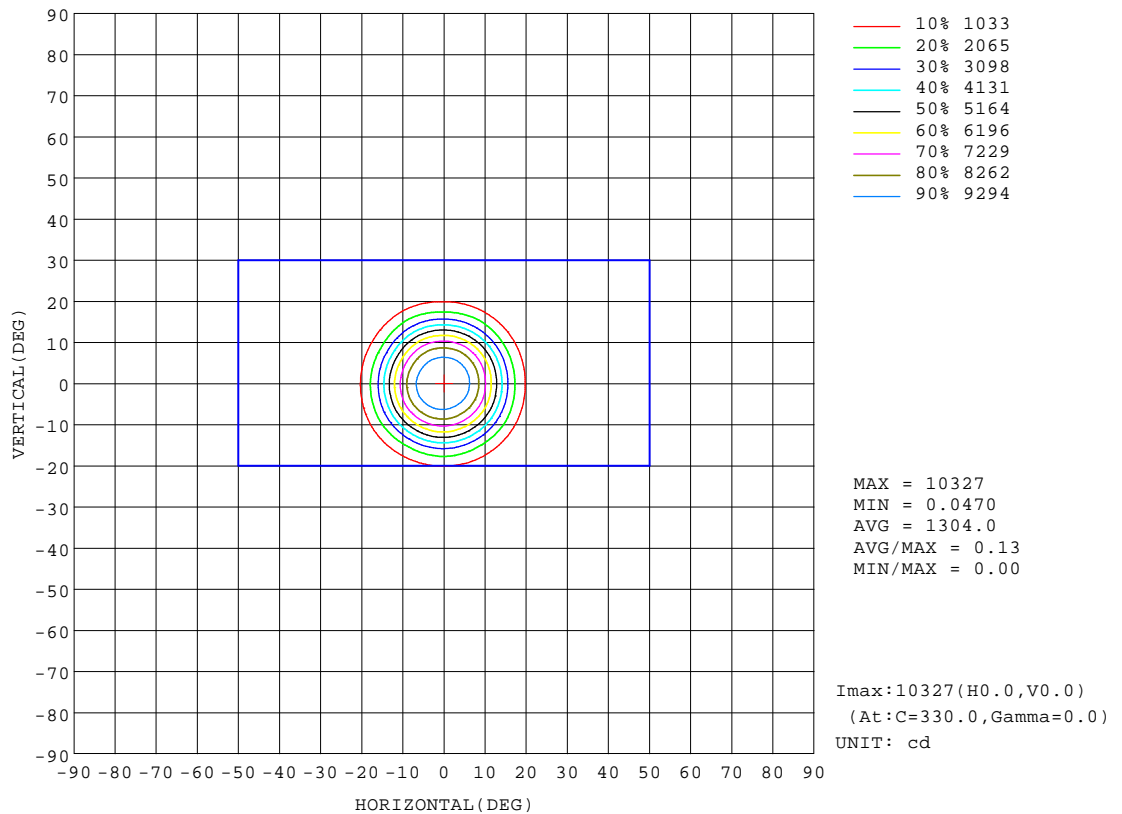
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	76	71	68	75	71	68	75	71	68	66
0.80	81	77	75	81	77	74	80	76	74	71
1.00	84	80	78	84	80	78	83	80	77	74
1.25	87	84	81	86	83	81	85	82	80	77
1.50	89	86	83	88	85	83	87	84	82	79
2.00	91	88	86	90	87	85	88	85	84	80
2.50	92	89	87	91	88	86	88	86	85	80
3.00	93	91	89	92	90	88	89	87	86	81
4.00	95	93	91	93	91	90	90	89	88	82
5.00	96	94	93	94	93	92	91	90	89	83
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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ISOCANDELA DIAGRAM

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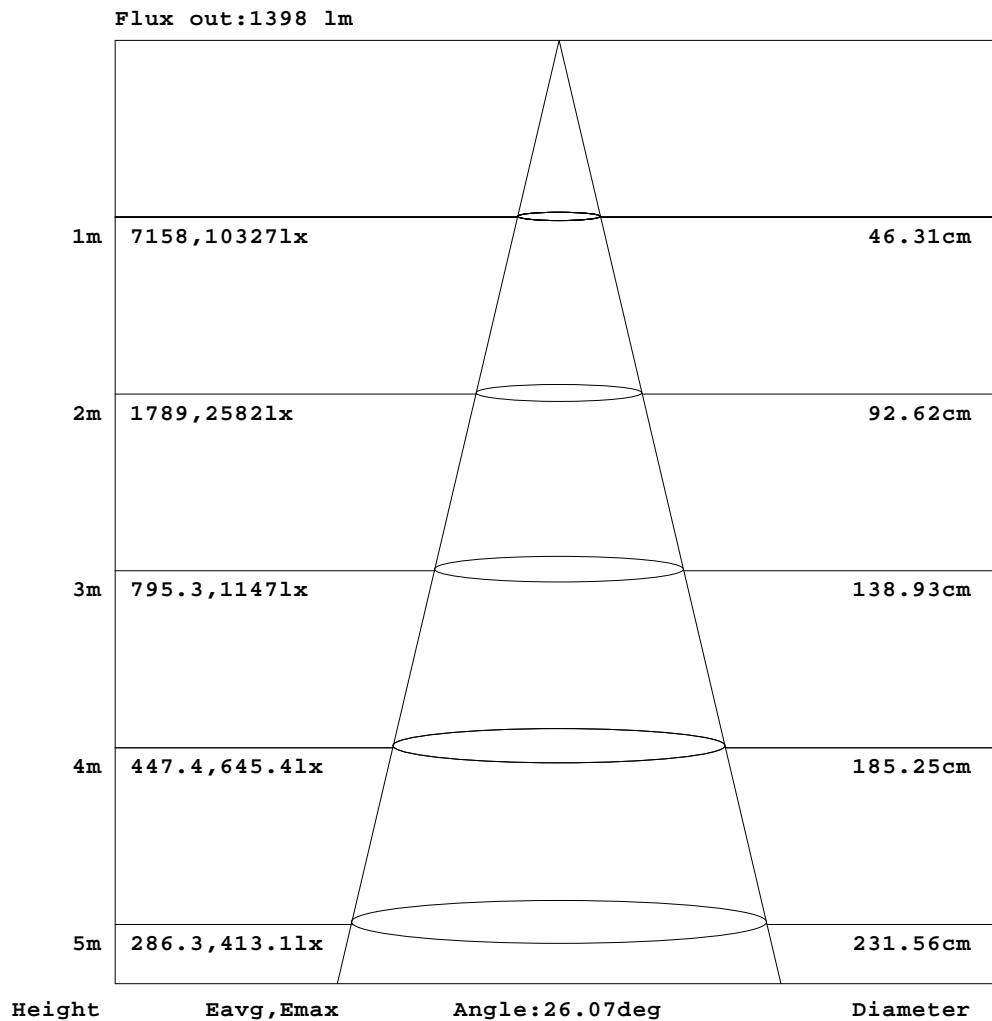


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Test Date:2025-5-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G10TH-A-83 Ra:90
LENS:24R
DRIVER:9290 039 225 500mA
30minutes warm-up

AAI Figure

Test:U:220.08V I:0.0929A P:19.871W PF:0.9690 Freq:49.99Hz Lamp Flux:2442.23x1 lm		
NAME: 2518.102	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2505100264
MFR.: RISE	SUR.: 0.006217985m2	Shielding Angle:



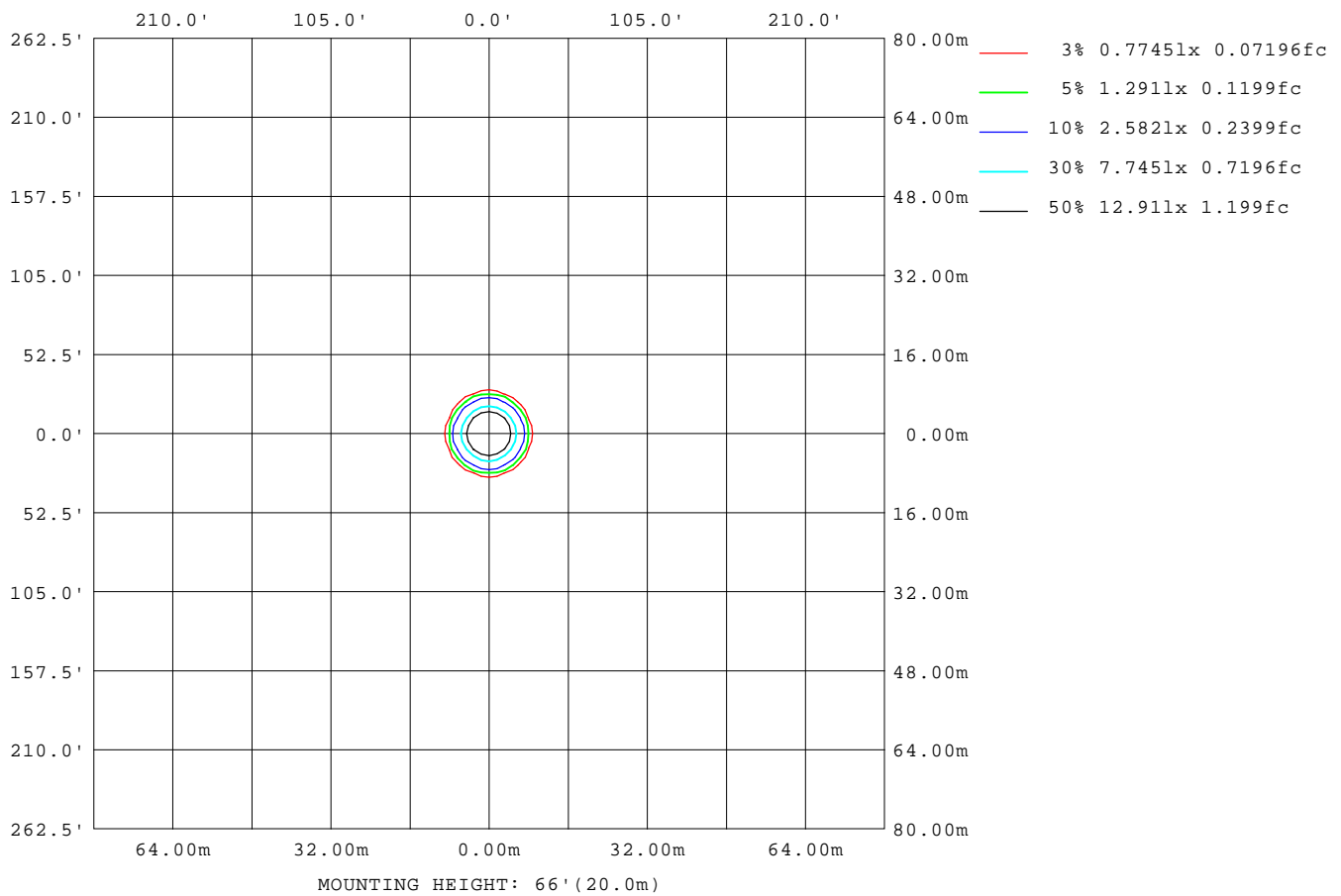
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2025-5-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G10TH-A-83 Ra:90
LENS:24R
DRIVER:9290 039 225 500mA
30minutes warm-up

ISOLUX DIAGRAM

Test:U:220.08V I:0.0929A P:19.871W PF:0.9690 Freq:49.99Hz Lamp Flux:2442.23x1 lm		
NAME: 2518.102	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2505100264
MFR.: RISE	SUR.: 0.006217985m2	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2025-5-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G10TH-A-83 Ra:90
LENS:24R
DRIVER:9290 039 225 500mA
30minutes warm-up

LED Avg.L Report

Test:U:220.08V I:0.0929A P:19.871W PF:0.9690 Freq:49.99Hz Lamp Flux:2442.23x1 lm		
NAME: 2518.102	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2505100264
MFR.: RISE	SUR.: 0.006217985m2	Shielding Angle:

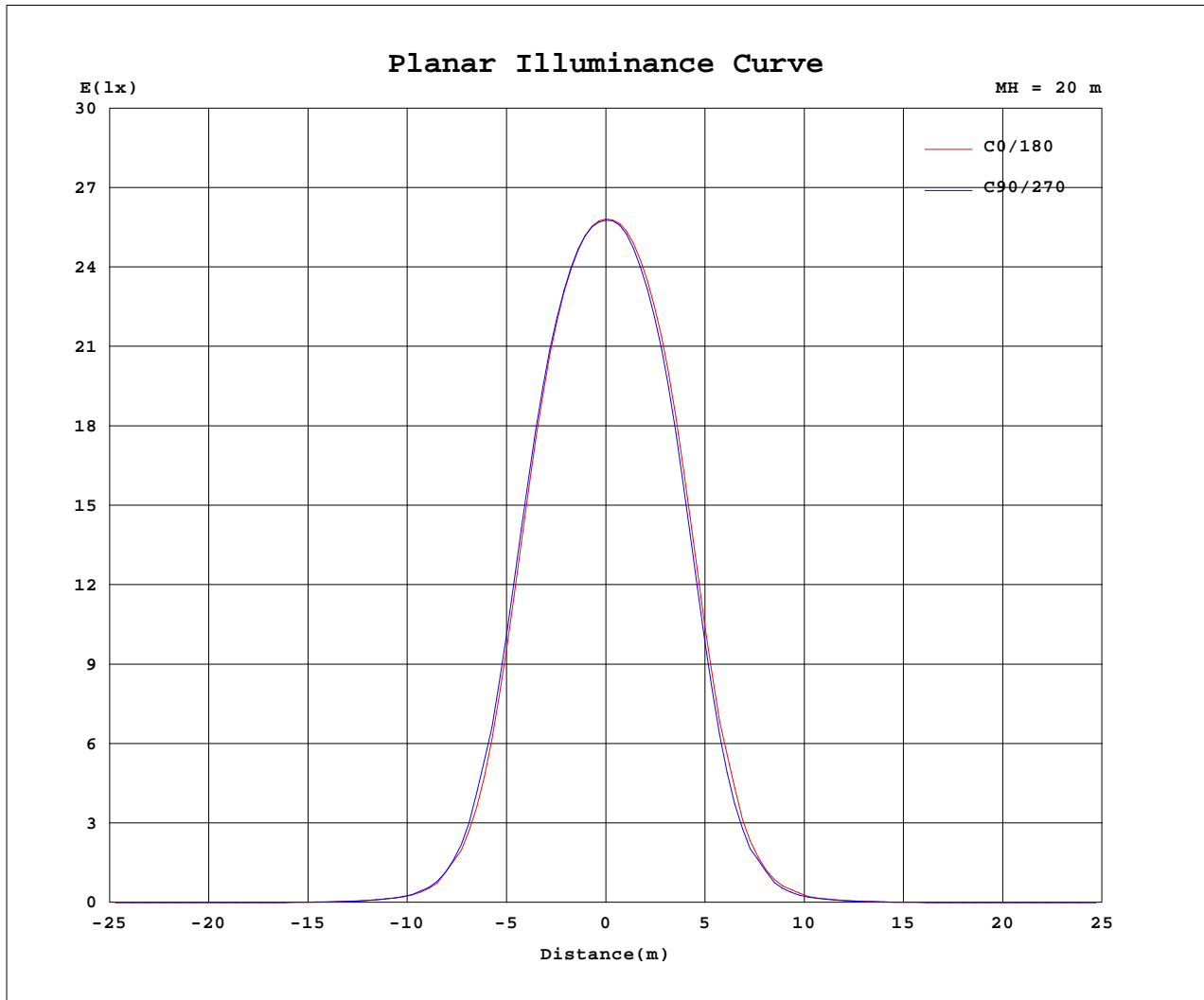
AvgL	cd/m2
L_0~180(65)av	13
L_0~180(75)av	21
L_0~180(85)av	81
L_90~270(65)av	13
L_90~270(75)av	16
L_90~270(85)av	81
L_45(65)av	11
L_45(75)av	7
L_45(85)av	26

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2025-5-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G10TH-A-83 Ra:90
LENS:24R
DRIVER:9290 039 225 500mA
30minutes warm-up

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators: zoe
 Test Date: 2025-5-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
 Humidity: 65.0%
 Test Distance: 3.160m [K=1.0000]
 Remarks: LAMP: BXRE-30G10TH-A-83 Ra: 90
 LENS: 24R
 DRIVER: 9290 039 225 500mA
 30minutes warm-up



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.08V I:0.0929A P:19.871W PF:0.9690 Freq:49.99Hz Lamp Flux:2442.23x1 lm		
NAME: 2518.102	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2505100264
MFR.: RISE	SUR.: 0.006217985m2	Shielding Angle:

Table--1

UNIT: X10cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	1031	1031	1031	1031	1031	1031	1031	1031	1031	1031	1031	1031						
5	967	967	964	971	976	981	981	975	975	972	973	970						
10	731	735	734	747	757	769	768	754	755	744	743	738						
15	347	355	359	369	375	387	382	366	371	356	355	351						
20	95.6	101	103	106	107	115	112	105	109	98.7	98.8	97.4						
25	21.3	23.2	22.3	23.6	22.1	27.3	26.5	22.9	26.8	20.9	23.5	21.6						
30	6.89	6.66	7.51	6.66	6.83	7.68	6.53	6.81	7.08	6.30	6.01	7.00						
35	2.14	2.39	2.37	2.42	2.25	2.57	2.20	1.96	2.20	1.96	2.10	2.01						
40	0.55	0.62	0.73	0.66	0.71	0.59	0.48	0.44	0.48	0.52	0.54	0.49						
45	0.26	0.29	0.28	0.25	0.25	0.25	0.23	0.21	0.22	0.24	0.24	0.21						
50	0.02	0.02	0.03	0.03	0.03	0.03	0.02	0.01	0.01	0.01	0.01	0.01						
55	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.01						
60	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00						
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00						
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
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Operators:zoe
Test Date:2025-5-10

γ Range: 0 - 180DEG
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