

Luminaire Photograph



Light Output Ratio:	90.3%	
Luminaire Power:	2.616 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: 2024-5-4

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-30G-11H-3A-00-0-0 Ra: 90
LENS: LL01ZZ-AF C10L06 15R
NO DRIVER: DC24V 700mA
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

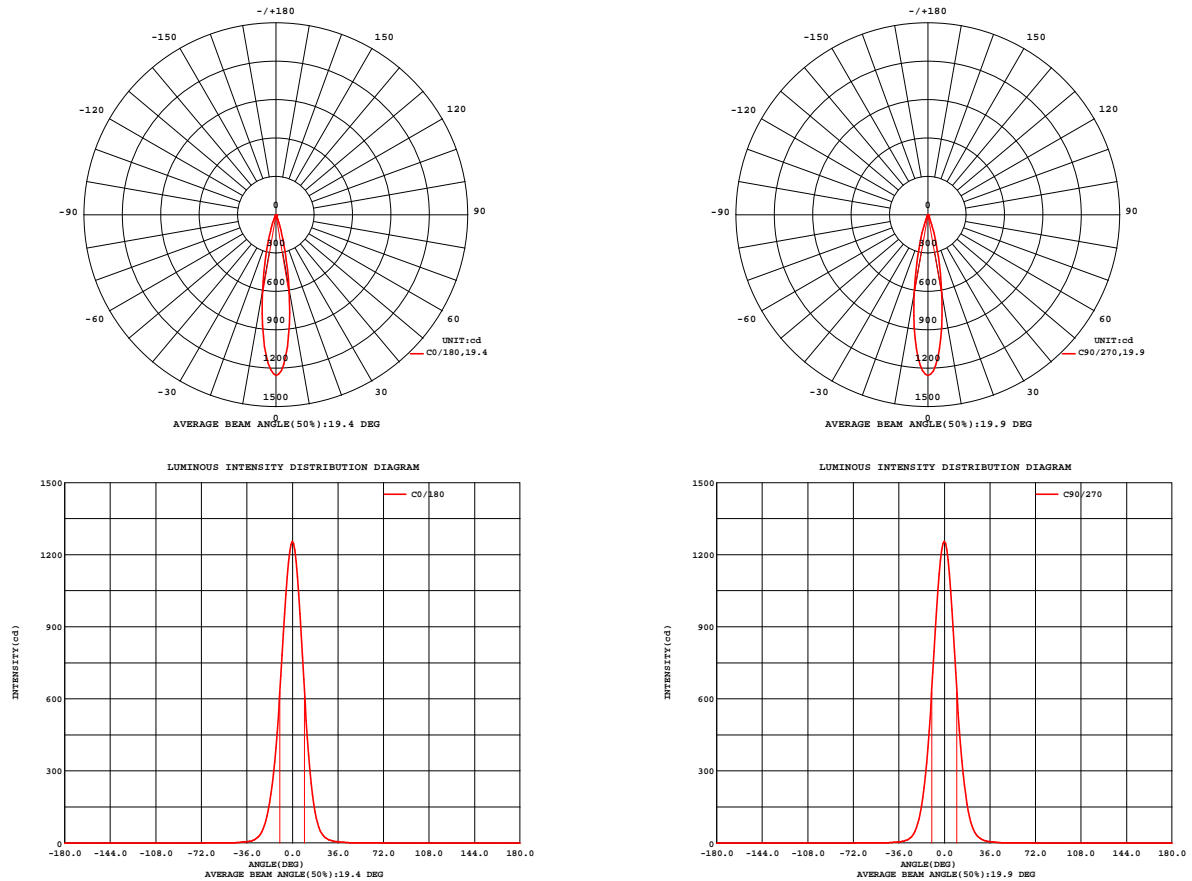


Fig. C0/C180

Fig. C90/C270

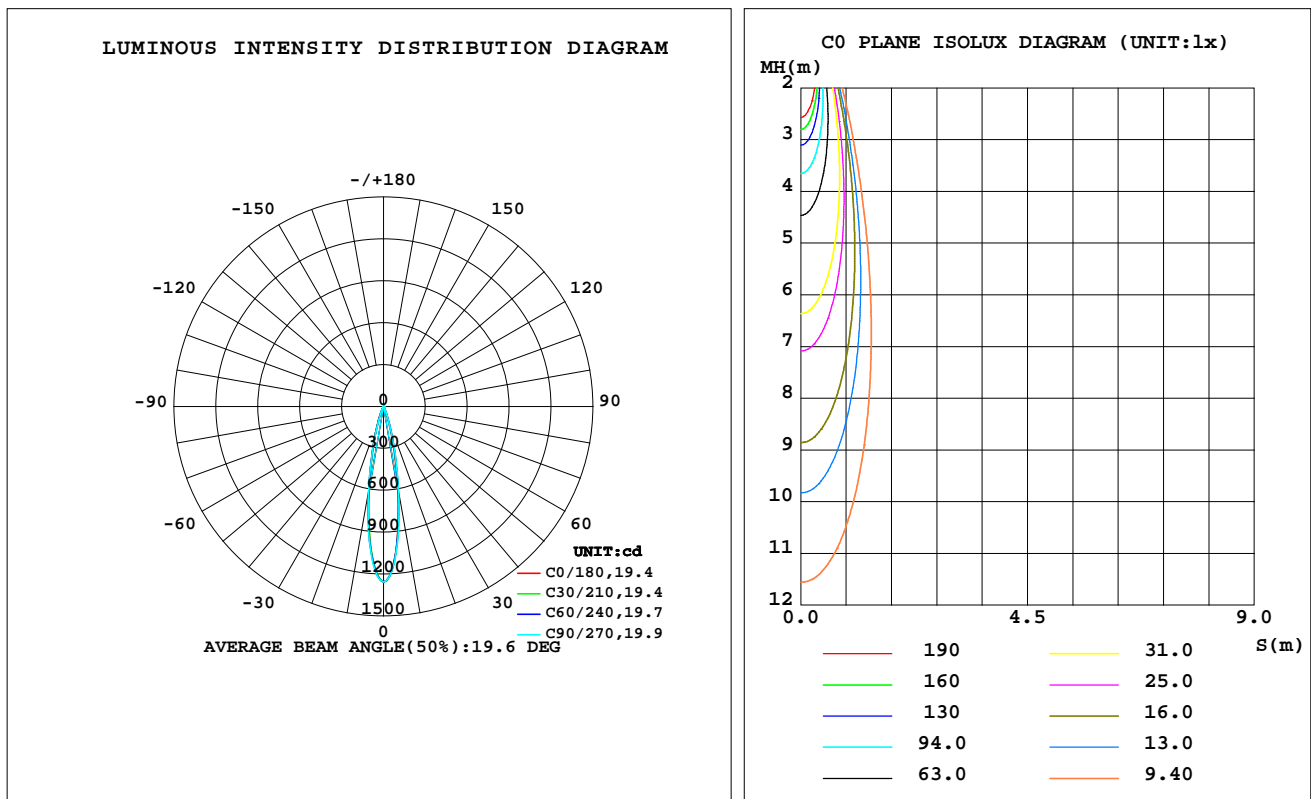
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30minutes warm-up

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.998V I:0.1090A P:2.6158W PF:1.0000 Freq:49.99Hz Lamp Flux:209.67x1 lm		
NAME: 2417.202	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405040520
MFR.: RISE	SUR.: 0.000346185m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 72.37 lm/W			
MODEL	Brideglux	I _{max} (cd)	1255	S/MH(C0/180)	0.33
NOMINAL POWER(W)	2.6	LOR(%)	90.3	S/MH(C90/270)	0.34
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	189.31	η UP,DN(C0-180)	0.0,45.4
NOMINAL FLUX(lm)	209.67	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,44.9
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	24	η down(%)	90.3	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	594.2	609.7	623.2	627.2	611.0	610.1	623.6	618.2	0- 10	85.23	85.23	45,40.7
20	83.71	99.34	107.0	121.2	112.6	110.0	99.88	96.73	10- 20	79.42	164.7	87,78.5
30	11.22	13.76	13.51	16.30	13.16	13.56	10.95	11.67	20- 30	19.05	183.7	97,87.6
40	3.097	3.853	3.509	3.781	3.629	3.525	2.808	3.046	30- 40	4.261	188.0	99.3,89.6
50	0.5461	0.6301	0.4937	0.4439	0.4373	0.4159	0.3832	0.4073	40- 50	1.144	189.1	99.9,90.2
60	0.0725	0.0712	0.0653	0.0676	0.0662	0.0632	0.0628	0.0601	50- 60	0.1823	189.3	100,90.3
70	0.0001	0.0000	0	0	0	0	0	0	60- 70	0.0245	189.3	100,90.3
80	0	0	0	0	0	0	0	0	70- 80	0.0000	189.3	100,90.3
90	0	0	0	0	0	0	0	0	80- 90	0	189.3	100,90.3
100	0	0	0	0	0	0	0	0	90-100	0	189.3	100,90.3
110	0	0	0	0	0	0	0	0	100-110	0	189.3	100,90.3
120	0	0	0	0	0	0	0	0	110-120	0	189.3	100,90.3
130	0	0	0	0	0	0	0	0	120-130	0	189.3	100,90.3
140	0	0	0	0	0	0	0	0	130-140	0	189.3	100,90.3
150	0	0	0	0	0	0	0	0	140-150	0	189.3	100,90.3
160	0	0	0	0	0	0	0	0	150-160	0	189.3	100,90.3
170	0	0	0	0	0	0	0	0	160-170	0	189.3	100,90.3
180	0	0	0	0	0	0	0	0	170-180	0	189.3	100,90.3
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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Humidity:65.0%
Test Distance:3.160m [K=1.0000]
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LENS:LL01ZZ-AF C10L06 15R
NO DRIVER:DC24V 700mA
30minutes warm-up

LUMINANCE LIMITATION CURVES

Test:U:23.998V I:0.1090A P:2.6158W PF:1.0000 Freq:49.99Hz
Lamp Flux:209.67x1 lm

NAME: 2417.202

TYPE:

WEIGHT:

SPEC.: 3000K

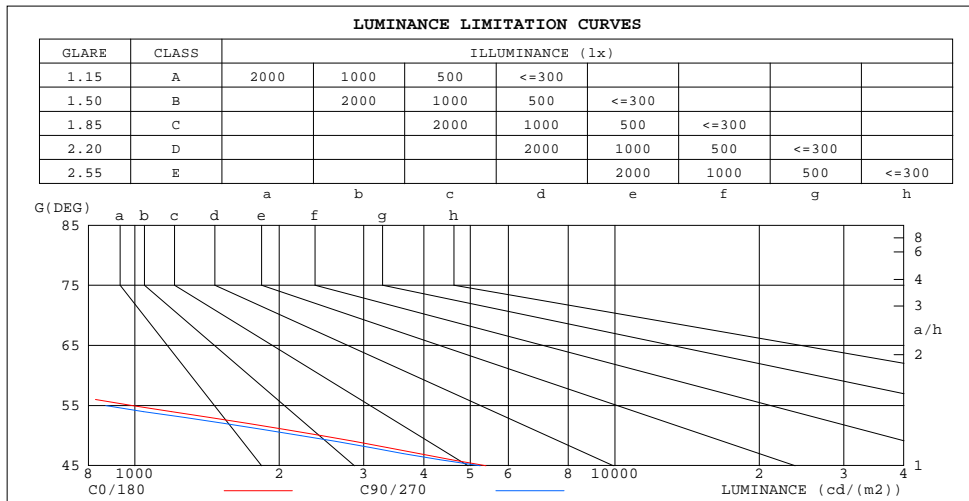
DIM.:

SERIAL No.: 2405040520

MFR.: RISE

SUR.: 0.000346185m2

Shielding Angle:



C Range: 0 - 360DEG
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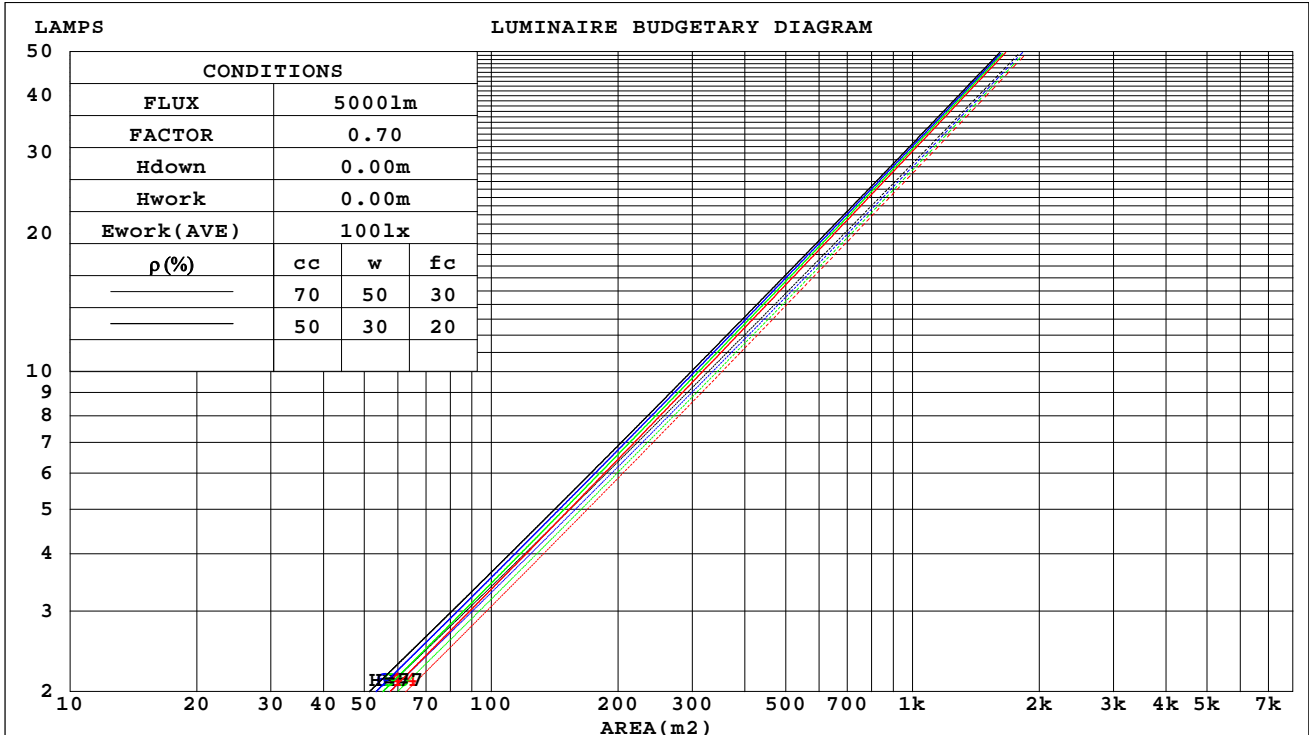
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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MFR.: RISE	SUR.: 0.000346185m2	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	1.07	1.07	1.07	1.05	1.05	1.05	1.00	1.00	1.00	.96	.96	.96	.92	.92	.92	.90
1.0	1.02	1.01	.99	1.00	.99	.98	.97	.96	.95	.94	.93	.92	.91	.90	.89	.88
2.0	.98	.96	.94	.97	.94	.92	.94	.92	.91	.91	.90	.89	.89	.88	.87	.86
3.0	.94	.91	.89	.93	.91	.88	.91	.89	.87	.89	.87	.86	.87	.86	.84	.83
4.0	.91	.88	.86	.90	.87	.85	.89	.86	.84	.87	.85	.83	.85	.84	.82	.81
5.0	.88	.85	.83	.88	.85	.82	.86	.84	.82	.85	.83	.81	.84	.82	.80	.79
6.0	.86	.82	.80	.85	.82	.80	.84	.81	.79	.83	.81	.79	.82	.80	.78	.77
7.0	.84	.80	.78	.83	.80	.78	.82	.79	.77	.81	.79	.77	.80	.78	.77	.76
8.0	.81	.78	.76	.81	.78	.76	.80	.77	.75	.79	.77	.75	.79	.77	.75	.74
9.0	.79	.76	.74	.79	.76	.74	.78	.76	.74	.78	.75	.73	.77	.75	.73	.72
10.0	.78	.74	.72	.77	.74	.72	.77	.74	.72	.76	.74	.72	.76	.73	.72	.71



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30minutes warm-up



WEC AND CCEC

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NAME: 2417.202	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405040520
MFR.: RISE	SUR.: 0.000346185m2	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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.115	.065	.021	.109	.062	.020	.098	.056	.018	.088	.051	.016	.078	.045	.015	
2.0	.106	.058	.018	.101	.056	.017	.092	.051	.016	.083	.047	.015	.075	.043	.013	
3.0	.098	.052	.016	.094	.050	.015	.086	.047	.014	.079	.043	.013	.073	.040	.012	
4.0	.091	.047	.014	.088	.046	.014	.081	.043	.013	.076	.041	.012	.070	.038	.012	
5.0	.086	.044	.013	.083	.042	.012	.077	.040	.012	.072	.038	.011	.068	.036	.011	
6.0	.081	.040	.012	.078	.040	.011	.074	.038	.011	.069	.036	.011	.065	.034	.010	
7.0	.076	.038	.011	.074	.037	.011	.070	.036	.010	.067	.034	.010	.063	.033	.010	
8.0	.073	.035	.010	.071	.035	.010	.067	.034	.010	.064	.032	.009	.061	.031	.009	
9.0	.069	.033	.009	.068	.033	.009	.065	.032	.009	.062	.031	.009	.059	.030	.009	
10.0	.066	.032	.009	.065	.031	.009	.062	.030	.009	.060	.030	.008	.057	.029	.008	

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			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.172	.172	.172	.147	.147	.147	.100	.100	.100	.058	.058	.058	.018	.018	.018	
1.0	.151	.142	.134	.130	.122	.116	.089	.084	.080	.051	.049	.047	.016	.016	.015	
2.0	.134	.120	.108	.115	.103	.093	.079	.071	.065	.046	.042	.038	.015	.013	.012	
3.0	.120	.102	.088	.103	.088	.076	.071	.061	.053	.041	.036	.031	.013	.012	.010	
4.0	.109	.088	.073	.093	.076	.063	.064	.053	.044	.037	.031	.026	.012	.010	.009	
5.0	.099	.077	.061	.085	.067	.053	.058	.046	.037	.034	.027	.022	.011	.009	.007	
6.0	.090	.068	.051	.078	.059	.045	.054	.041	.032	.031	.024	.019	.010	.008	.006	
7.0	.083	.060	.044	.072	.052	.038	.050	.037	.027	.029	.022	.016	.009	.007	.005	
8.0	.077	.054	.038	.066	.047	.033	.046	.033	.024	.027	.019	.014	.009	.006	.005	
9.0	.072	.049	.033	.062	.042	.029	.043	.030	.021	.025	.018	.012	.008	.006	.004	
10.0	.067	.044	.029	.058	.039	.025	.040	.027	.018	.024	.016	.011	.008	.005	.004	

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UGR(Unified Glare Rating) Table

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SPEC.: 3000K					DIM.:			SERIAL No.: 2405040520		
MFR.: RISE					SUR.: 0.000346185m2			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	12.3	12.9	12.5	13.1	13.2	12.9	13.5	13.1	13.6	13.8
3H	12.2	12.7	12.4	12.9	13.1	12.8	13.3	13.0	13.5	13.7
4H	12.1	12.6	12.4	12.8	13.1	12.7	13.2	12.9	13.4	13.6
6H	12.0	12.5	12.3	12.8	13.0	12.6	13.1	12.9	13.3	13.6
8H	12.0	12.5	12.3	12.7	13.0	12.6	13.0	12.9	13.3	13.5
12H	12.0	12.4	12.3	12.7	12.9	12.5	13.0	12.8	13.2	13.5
4H 2H	12.1	12.7	12.4	12.9	13.1	12.7	13.2	12.9	13.4	13.6
3H	12.0	12.4	12.3	12.7	12.9	12.5	13.0	12.8	13.2	13.5
4H	11.9	12.3	12.2	12.6	12.9	12.4	12.9	12.8	13.1	13.4
6H	11.8	12.1	12.1	12.5	12.8	12.3	12.7	12.7	13.0	13.4
8H	11.7	12.1	12.1	12.4	12.8	12.3	12.6	12.7	13.0	13.3
12H	11.6	12.0	12.0	12.3	12.7	12.2	12.5	12.6	12.9	13.3
8H 4H	11.7	12.1	12.1	12.4	12.8	12.3	12.6	12.7	13.0	13.3
6H	11.6	11.9	12.0	12.3	12.7	12.2	12.4	12.6	12.8	13.2
8H	11.5	11.8	12.0	12.2	12.6	12.1	12.4	12.5	12.8	13.2
12H	11.5	11.7	11.9	12.1	12.6	12.0	12.2	12.5	12.7	13.2
12H 4H	11.6	12.0	12.0	12.3	12.7	12.2	12.5	12.6	12.9	13.3
6H	11.5	11.8	12.0	12.2	12.6	12.1	12.4	12.5	12.8	13.2
8H	11.5	11.7	11.9	12.1	12.6	12.0	12.2	12.5	12.7	13.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.6 / -15.0					+ 2.9 / -16.6				
1.5H	+ 4.5 / -10.5					+ 5.2 / -11.9				
2.0H	+ 6.2 / -12.7					+ 6.4 / -12.5				

CIE Pub.117, 209.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -5.4)
Area: 0.000346185 m2

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UTILIZATION FACTORS TABLE

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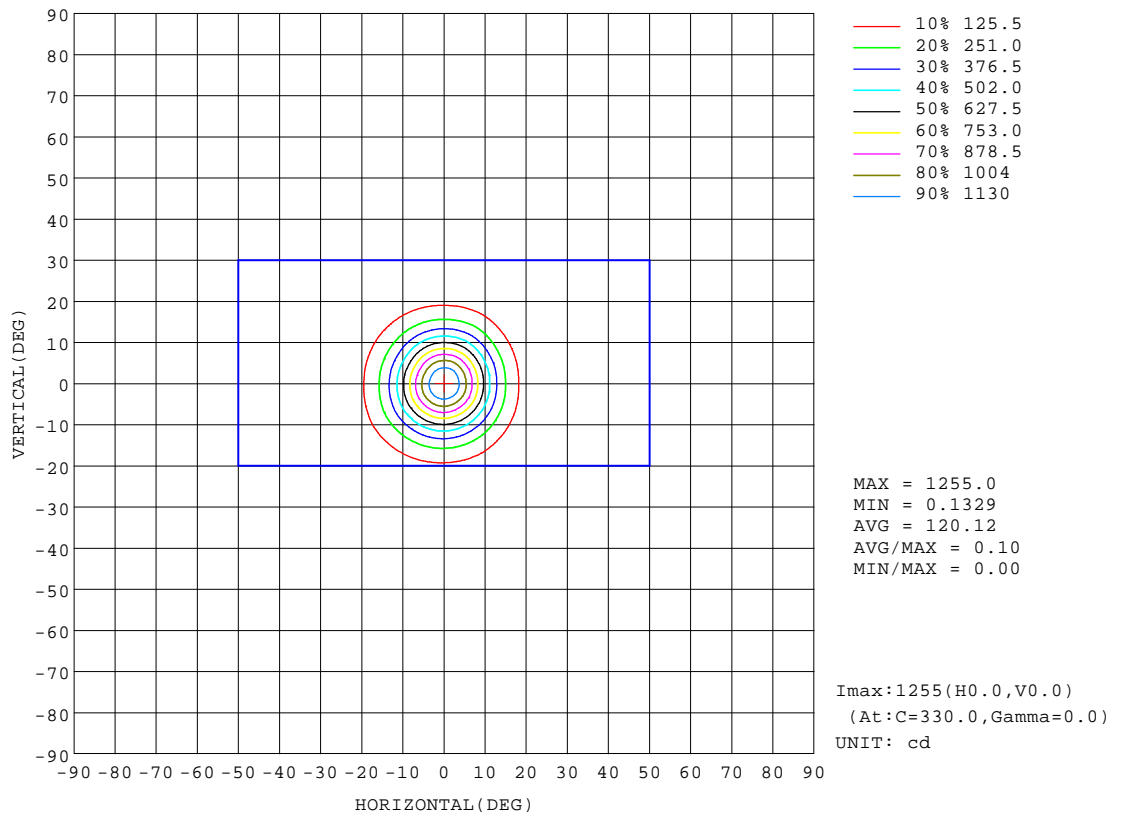
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	82	77	74	82	77	74	81	77	74	71
0.80	89	84	81	88	84	81	87	83	80	78
1.00	92	87	85	91	87	84	90	87	84	81
1.25	95	91	88	94	90	88	93	89	87	84
1.50	97	93	91	96	93	90	94	92	89	86
2.00	99	96	93	98	95	93	96	93	91	87
2.50	101	97	95	99	96	94	96	94	93	87
3.00	102	99	97	100	98	96	97	95	94	88
4.00	103	101	99	102	100	98	98	97	96	90
5.00	104	103	101	103	101	100	99	98	97	90
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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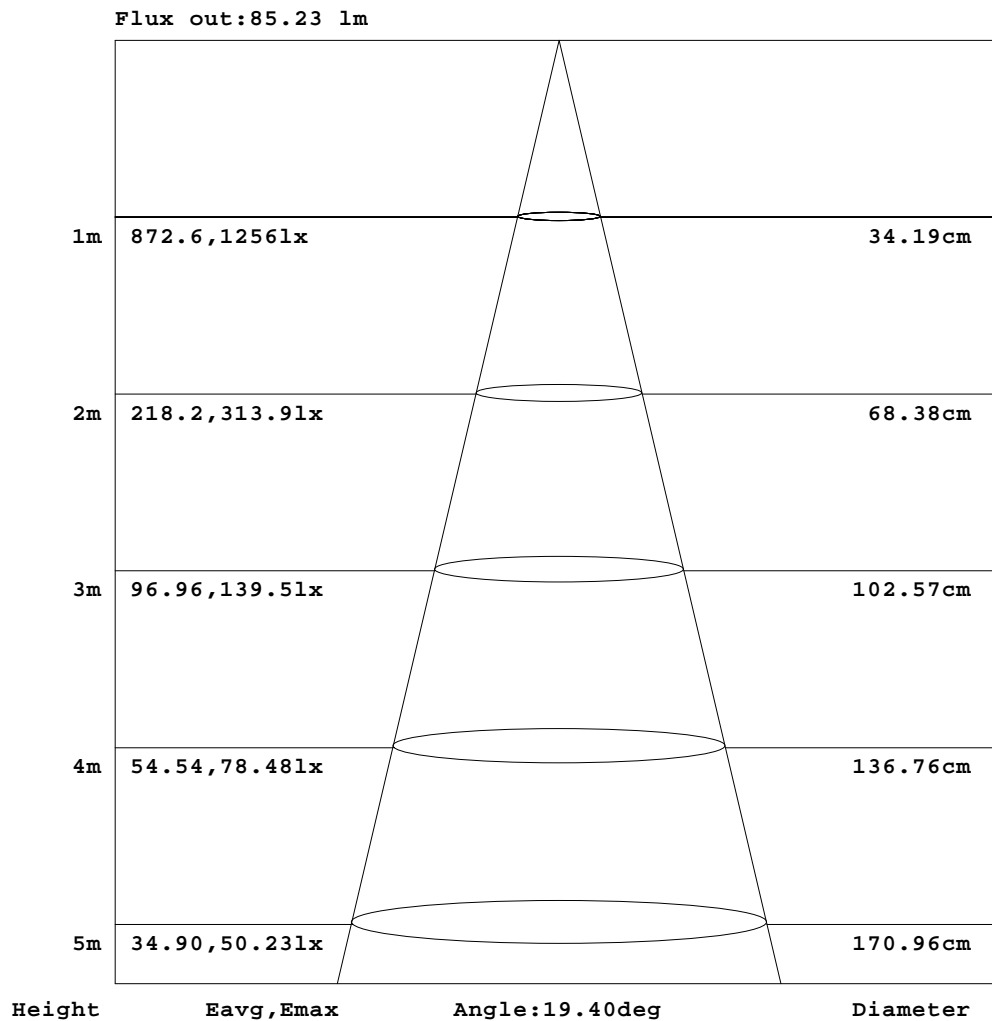


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AAI Figure

Test:U:23.998V I:0.1090A P:2.6158W PF:1.0000 Freq:49.99Hz Lamp Flux:209.67x1 lm		
NAME: 2417.202	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405040520
MFR.: RISE	SUR.: 0.000346185m2	Shielding Angle:



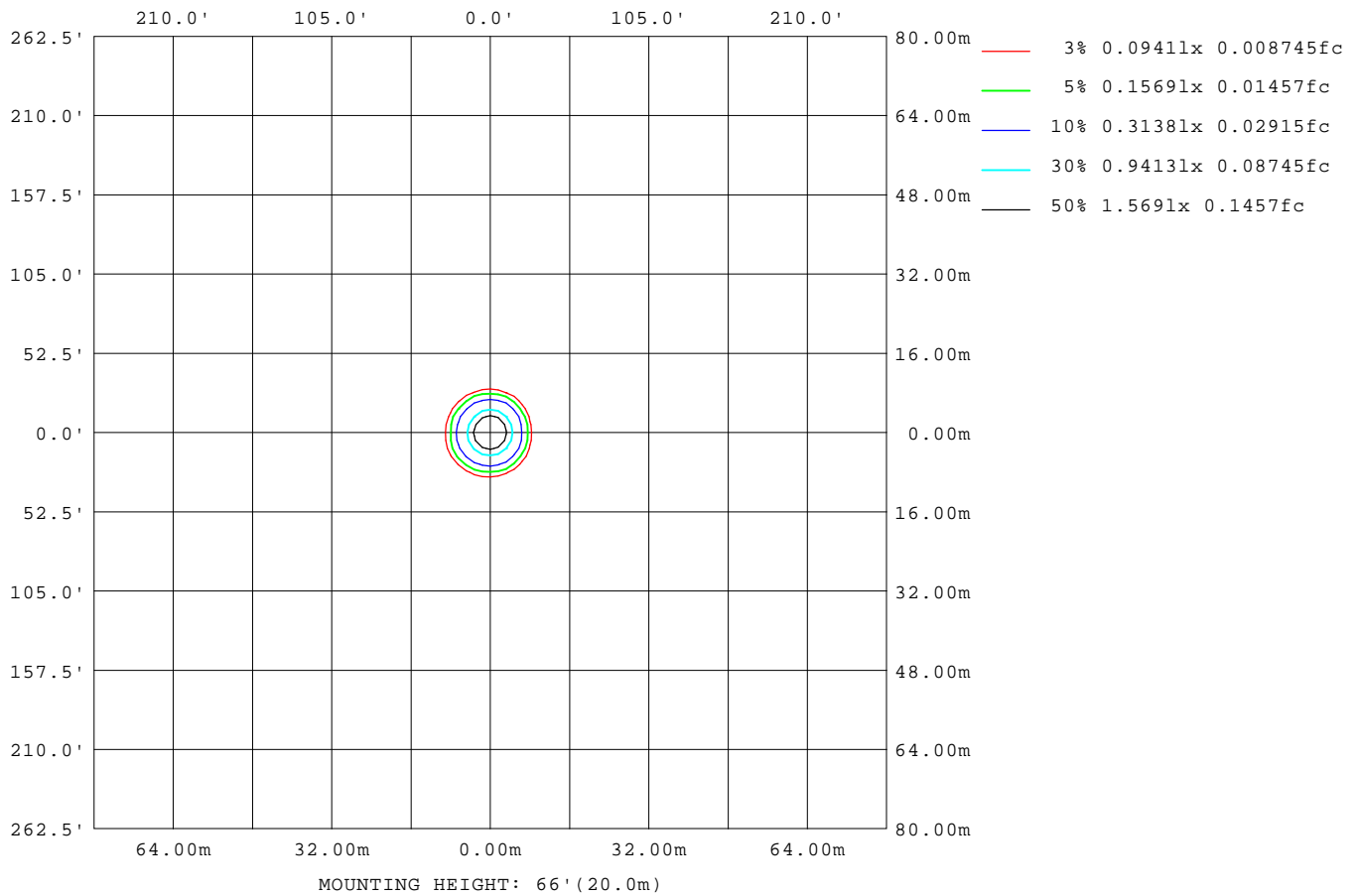
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-5-4

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-30G-11H-3A-00-0-0 Ra:90
LENS:LL01ZZ-AF C10L06 15R
NO DRIVER:DC24V 700mA
30minutes warm-up

ISOLUX DIAGRAM

Test:U:23.998V I:0.1090A P:2.6158W PF:1.0000 Freq:49.99Hz Lamp Flux:209.67x1 lm		
NAME: 2417.202	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405040520
MFR.: RISE	SUR.: 0.000346185m2	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2024-5-4

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-30G-11H-3A-00-0-0 Ra: 90
LENS: LL01ZZ-AF C10L06 15R
NO DRIVER: DC24V 700mA
30minutes warm-up

LED Avg.L Report

Test:U:23.998V I:0.1090A P:2.6158W PF:1.0000 Freq:49.99Hz Lamp Flux:209.67x1 lm		
NAME: 2417.202	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405040520
MFR.: RISE	SUR.: 0.000346185m2	Shielding Angle:

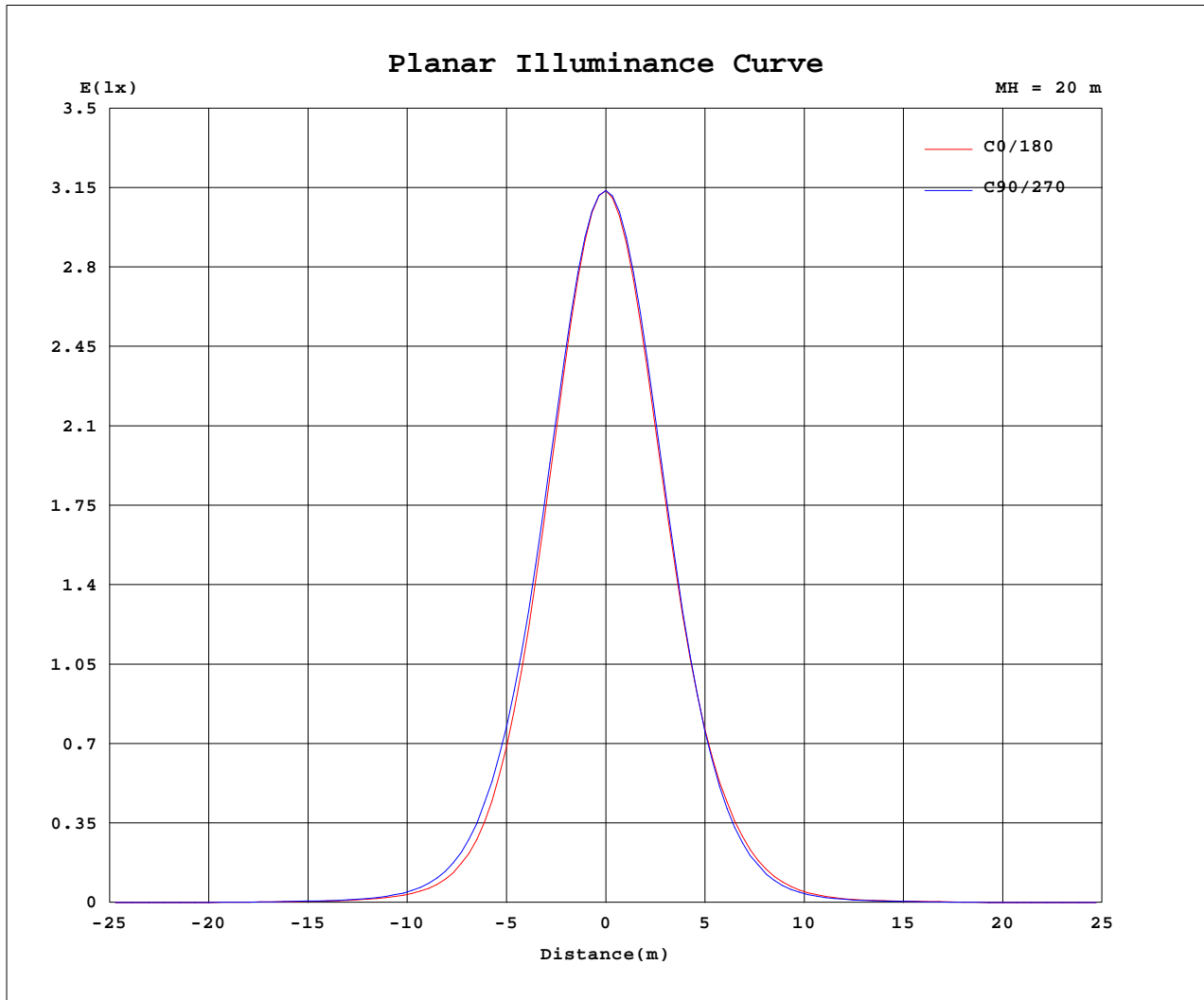
AvgL	cd/m2
L_0~180(65)av	156
L_0~180(75)av	0
L_0~180(85)av	0
L_90~270(65)av	166
L_90~270(75)av	0
L_90~270(85)av	0
L_45(65)av	157
L_45(75)av	0
L_45(85)av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-5-4

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-30G-11H-3A-00-0-0 Ra:90
LENS:LL01ZZ-AF C10L06 15R
NO DRIVER:DC24V 700mA
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: 2024-5-4

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-30G-11H-3A-00-0-0 Ra: 90
 LENS: LL01ZZ-AF C10L06 15R
 NO DRIVER: DC24V 700mA
 30minutes warm-up



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.998V I:0.1090A P:2.6158W PF:1.0000 Freq:49.99Hz Lamp Flux:209.67x1 lm		
NAME: 2417.202	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405040520
MFR.: RISE	SUR.: 0.000346185m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	1255	1255	1255	1255	1255	1255	1255	1255	1255	1255	1255	1255						
5	1036	1044	1042	1050	1047	1045	1034	1027	1043	1051	1055	1040						
10	594	606	613	623	627	628	611	602	618	624	630	606						
15	249	265	279	288	296	303	285	279	282	279	287	263						
20	83.7	93.5	105	107	117	125	113	113	107	99.9	103	90.2						
25	27.4	32.1	37.6	36.6	43.4	47.3	38.1	40.3	37.5	31.5	33.7	29.1						
30	11.2	13.0	14.6	13.5	15.6	17.0	13.2	14.0	13.1	10.9	12.2	11.1						
35	5.61	6.60	7.12	6.60	7.04	7.68	6.18	6.58	5.93	5.19	5.67	5.43						
40	3.10	3.80	3.91	3.51	3.59	3.97	3.63	3.75	3.30	2.81	3.09	3.00						
45	1.32	1.63	1.49	1.28	1.15	1.20	1.08	1.17	1.06	0.96	1.05	1.18						
50	0.55	0.67	0.59	0.49	0.43	0.46	0.44	0.43	0.40	0.38	0.37	0.44						
55	0.20	0.23	0.20	0.17	0.16	0.19	0.17	0.17	0.16	0.16	0.15	0.16						
60	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06						
65	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02						
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	0.00	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						

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