

Luminaire Photograph



Light Output Ratio:	60.5%	
Luminaire Power:	1.223 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: 2024-5-13

Range: 0 - 180DEG
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-DRT 15R
NO DRIVER: DC 24V
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

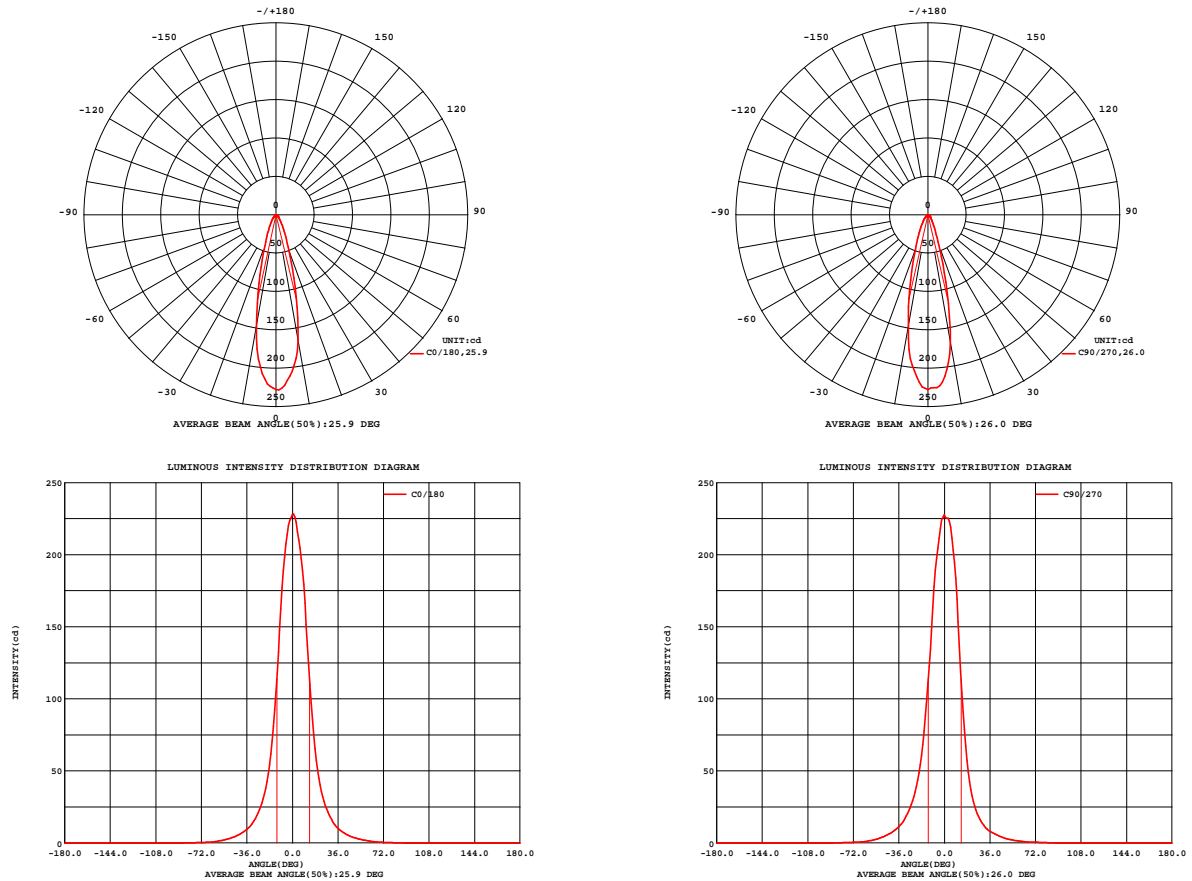


Fig. C0/C180

Fig. C90/C270

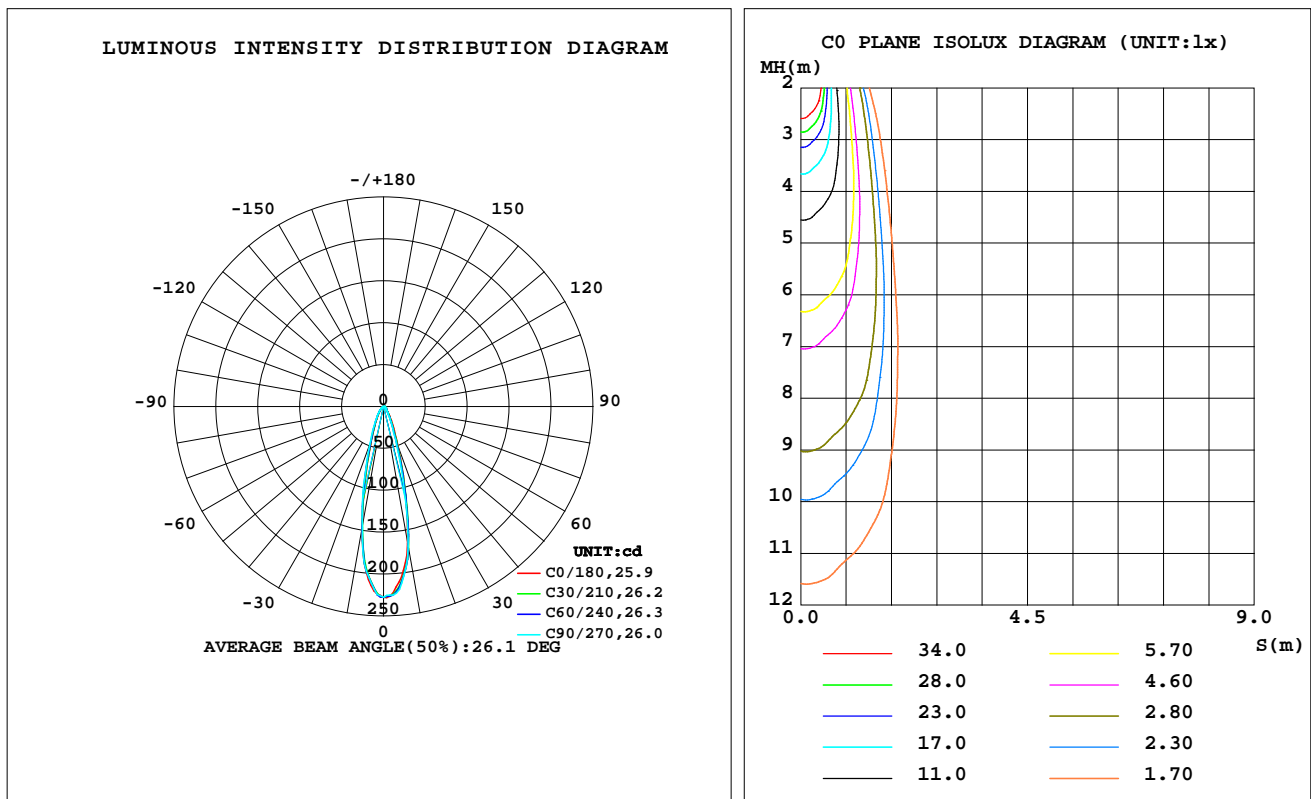
C Range: 0 - 360DEG
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Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2024-5-13

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30minutes warm-up

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.980V I:0.0510A P:1.2231W PF:1.0000 Freq:0Hz Lamp Flux:114.769x1 lm		
NAME: 2417.201	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405130534
MFR.: RISE	SUR.: 0.0000785m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 56.78 lm/W			
MODEL	Brideglux	Imax(cd)	228.9	S/MH(C0/180)	0.42
NOMINAL POWER(W)	1	LOR(%)	60.5	S/MH(C90/270)	0.43
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	69.445	UP,DN(C0-180)	0.0,30.1
NOMINAL FLUX(lm)	114.769	CIE CLASS	DIRECT	UP,DN(C180-360)	0.0,30.5
LAMPS INSIDE	1	up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	24	down(%)	60.5	CIBSE SHR MAX	0.30



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ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

	C0	C45	C90	C135	C180	C225	C270	C315		zone	total	%lum,lamp
10	166.5	171.8	169.2	156.4	147.6	147.2	147.1	158.1	0- 10	18.49	18.49	26.6,16.1
20	50.69	47.46	42.43	40.55	42.62	43.84	48.57	50.40	10- 20	24.85	43.33	62.4,37.8
30	17.93	15.29	13.69	13.94	15.60	16.81	18.65	18.18	20- 30	12.35	55.68	80.2,48.5
40	7.484	6.592	6.236	6.013	6.924	7.731	8.297	7.998	30- 40	6.737	62.42	89.9,54.4
50	3.392	3.089	2.846	2.778	3.029	3.329	3.681	3.607	40- 50	3.765	66.18	95.3,57.7
60	1.480	1.539	1.254	1.240	1.072	1.241	1.396	1.592	50- 60	1.964	68.15	98.1,59.4
70	0.5227	0.6465	0.5598	0.4960	0.3873	0.4726	0.5404	0.5432	60- 70	0.8380	68.99	99.3,60.1
80	0.2208	0.2630	0.2780	0.1871	0.1450	0.1891	0.2400	0.2210	70- 80	0.3723	69.36	99.9,60.4
90	0	0	0	0	0	0	0	0	80- 90	0.0867	69.45	100,60.5
100	0	0	0	0	0	0	0	0	90-100	0	69.45	100,60.5
110	0	0	0	0	0	0	0	0	100-110	0	69.45	100,60.5
120	0	0	0	0	0	0	0	0	110-120	0	69.45	100,60.5
130	0	0	0	0	0	0	0	0	120-130	0	69.45	100,60.5
140	0	0	0	0	0	0	0	0	130-140	0	69.45	100,60.5
150	0	0	0	0	0	0	0	0	140-150	0	69.45	100,60.5
160	0	0	0	0	0	0	0	0	150-160	0	69.45	100,60.5
170	0	0	0	0	0	0	0	0	160-170	0	69.45	100,60.5
180	0	0	0	0	0	0	0	0	170-180	0	69.45	100,60.5
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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LENS:LL01ZZ-DRT 15R
NO DRIVER:DC 24V
30minutes warm-up

LUMINANCE LIMITATION CURVES

Test:U:23.980V I:0.0510A P:1.2231W PF:1.0000 Freq:0Hz
Lamp Flux:114.769x1 lm

NAME: 2417.201

TYPE:

WEIGHT:

SPEC.: 3000K

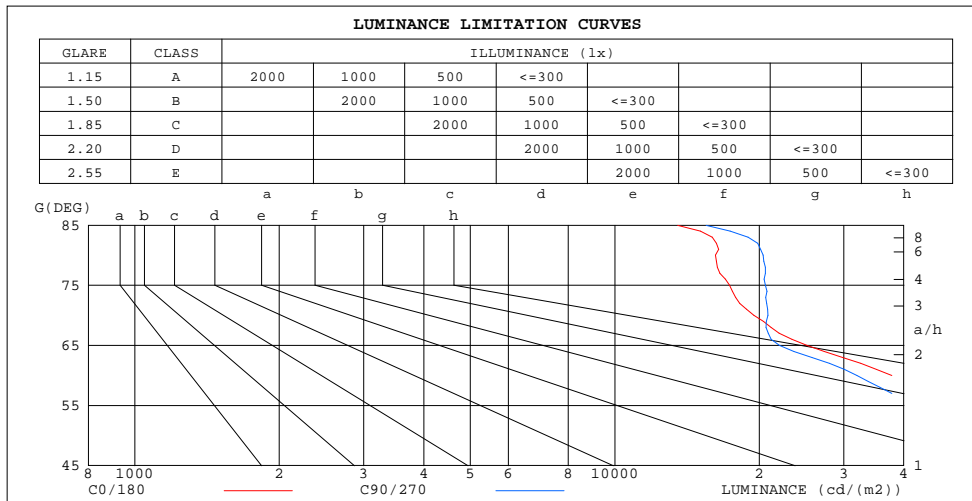
DIM.:

SERIAL No.: 2405130534

MFR.: RISE

SUR.: 0.0000785m2

Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	G(270)	
85	13521	15498
80	16215	20386
75	17330	20585
70	19494	20842
65	25142	22035
60	37755	31934
55	51636	42669
50	67308	56375
45	90821	76172

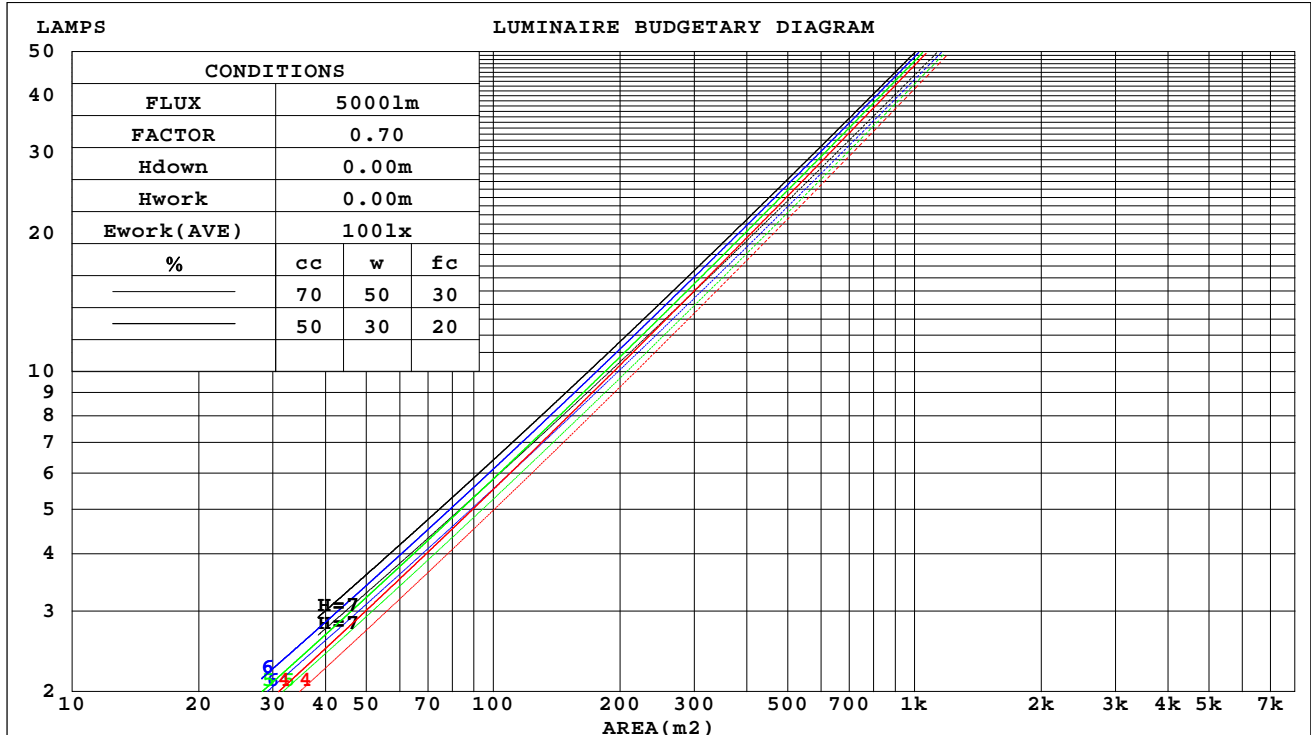
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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MFR.: RISE	SUR.: 0.0000785m2	Shielding Angle:

cc	80%			70%			50%			30%			10%			0
w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	.72	.72	.72	.70	.70	.70	.67	.67	.67	.64	.64	.64	.62	.62	.62	.61
1.0	.67	.66	.65	.66	.65	.64	.64	.63	.62	.61	.61	.60	.59	.59	.58	.57
2.0	.63	.61	.59	.62	.60	.59	.60	.59	.57	.59	.57	.56	.57	.56	.55	.54
3.0	.60	.57	.55	.59	.57	.55	.57	.55	.54	.56	.54	.53	.55	.53	.52	.51
4.0	.57	.54	.51	.56	.53	.51	.55	.52	.51	.54	.52	.50	.52	.51	.49	.49
5.0	.54	.51	.49	.53	.50	.48	.52	.50	.48	.51	.49	.47	.50	.49	.47	.46
6.0	.51	.48	.46	.51	.48	.46	.50	.47	.46	.49	.47	.45	.48	.47	.45	.44
7.0	.49	.46	.44	.49	.46	.44	.48	.45	.44	.47	.45	.43	.47	.45	.43	.42
8.0	.47	.44	.42	.47	.44	.42	.46	.44	.42	.46	.43	.42	.45	.43	.41	.41
9.0	.45	.42	.40	.45	.42	.40	.45	.42	.40	.44	.42	.40	.44	.41	.40	.39
10.0	.44	.41	.39	.43	.41	.39	.43	.40	.39	.43	.40	.38	.42	.40	.38	.38



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30minutes warm-up

WEC AND CCEC

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NAME: 2417.201	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405130534
MFR.: RISE	SUR.: 0.0000785m2	Shielding Angle:

cc	80%			70%			50%			30%			10%			0
w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)															
0.0																
1.0	.099	.056	.018	.095	.054	.017	.088	.050	.016	.081	.046	.015	.074	.043	.014	
2.0	.094	.051	.016	.090	.050	.015	.084	.047	.014	.078	.044	.014	.073	.041	.013	
3.0	.088	.047	.014	.085	.046	.014	.080	.043	.013	.075	.041	.013	.070	.039	.012	
4.0	.083	.043	.013	.080	.042	.012	.076	.040	.012	.072	.038	.012	.068	.037	.011	
5.0	.078	.040	.012	.076	.039	.011	.072	.038	.011	.068	.036	.011	.065	.035	.010	
6.0	.074	.037	.011	.072	.036	.010	.069	.035	.010	.065	.034	.010	.062	.033	.010	
7.0	.070	.035	.010	.069	.034	.010	.066	.033	.010	.063	.032	.009	.060	.031	.009	
8.0	.067	.033	.009	.065	.032	.009	.063	.031	.009	.060	.030	.009	.058	.030	.009	
9.0	.064	.031	.009	.062	.030	.009	.060	.030	.008	.058	.029	.008	.056	.028	.008	
10.0	.061	.029	.008	.060	.029	.008	.057	.028	.008	.055	.028	.008	.054	.027	.008	

cc	80%			70%			50%			30%			10%			0
w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.115	.115	.115	.099	.099	.099	.067	.067	.067	.039	.039	.039	.012	.012	.012	
1.0	.103	.095	.088	.088	.082	.076	.060	.056	.053	.035	.033	.031	.011	.010	.010	
2.0	.093	.080	.069	.080	.069	.060	.055	.048	.042	.032	.028	.025	.010	.009	.008	
3.0	.085	.069	.056	.073	.059	.048	.050	.041	.034	.029	.024	.020	.009	.008	.007	
4.0	.078	.060	.045	.067	.051	.039	.046	.036	.028	.027	.021	.016	.009	.007	.005	
5.0	.072	.052	.038	.062	.045	.033	.043	.032	.023	.025	.019	.014	.008	.006	.005	
6.0	.067	.047	.032	.058	.040	.028	.040	.028	.020	.023	.017	.012	.007	.005	.004	
7.0	.063	.042	.027	.054	.036	.023	.037	.025	.017	.022	.015	.010	.007	.005	.003	
8.0	.059	.038	.023	.051	.033	.020	.035	.023	.014	.021	.014	.009	.007	.004	.003	
9.0	.056	.035	.020	.048	.030	.018	.033	.021	.012	.019	.012	.007	.006	.004	.002	
10.0	.053	.032	.018	.046	.028	.015	.032	.019	.011	.018	.011	.007	.006	.004	.002	

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UGR(Unified Glare Rating) Table

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NAME: 2417.201					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2405130534		
MFR.: RISE					SUR.: 0.0000785m2			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	29.8	30.6	30.0	30.8	30.9	28.8	29.6	29.0	29.8	29.9
3H	30.0	30.8	30.3	31.0	31.2	29.0	29.8	29.3	30.0	30.2
4H	30.1	30.8	30.3	31.0	31.2	29.1	29.9	29.4	30.1	30.3
6H	30.1	30.8	30.4	31.0	31.3	29.3	30.0	29.6	30.2	30.4
8H	30.1	30.8	30.4	31.0	31.3	29.3	30.0	29.6	30.2	30.5
12H	30.1	30.7	30.4	31.0	31.3	29.3	30.0	29.7	30.2	30.5
4H 2H	29.9	30.6	30.1	30.8	31.0	29.0	29.7	29.2	29.9	30.1
3H	30.2	30.9	30.5	31.1	31.4	29.3	29.9	29.6	30.2	30.4
4H	30.4	30.9	30.7	31.2	31.5	29.5	30.1	29.8	30.4	30.7
6H	30.4	31.0	30.8	31.3	31.6	29.7	30.2	30.1	30.6	30.9
8H	30.5	31.0	30.9	31.3	31.7	29.8	30.3	30.2	30.6	31.0
12H	30.5	30.9	30.9	31.3	31.7	29.8	30.3	30.3	30.6	31.0
8H 4H	30.3	30.8	30.7	31.2	31.5	29.5	30.0	29.9	30.4	30.7
6H	30.5	30.9	30.9	31.3	31.7	29.8	30.2	30.3	30.6	31.0
8H	30.6	30.9	31.0	31.4	31.8	30.0	30.3	30.4	30.7	31.2
12H	30.6	30.9	31.1	31.4	31.8	30.1	30.4	30.5	30.8	31.3
12H 4H	30.3	30.7	30.7	31.1	31.5	29.5	29.9	29.9	30.3	30.7
6H	30.5	30.8	30.9	31.3	31.7	29.8	30.2	30.3	30.6	31.0
8H	30.6	30.9	31.1	31.3	31.8	30.0	30.3	30.5	30.8	31.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.0 / - 1.4					+ 1.0 / - 1.3				
1.5H	+ 1.7 / - 0.9					+ 1.1 / - 0.8				
2.0H	+ 2.0 / - 1.5					+ 1.7 / - 1.6				

CIE Pub.117, 114.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -7.5)
Area: 7.85e-005 m2

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UTILIZATION FACTORS TABLE

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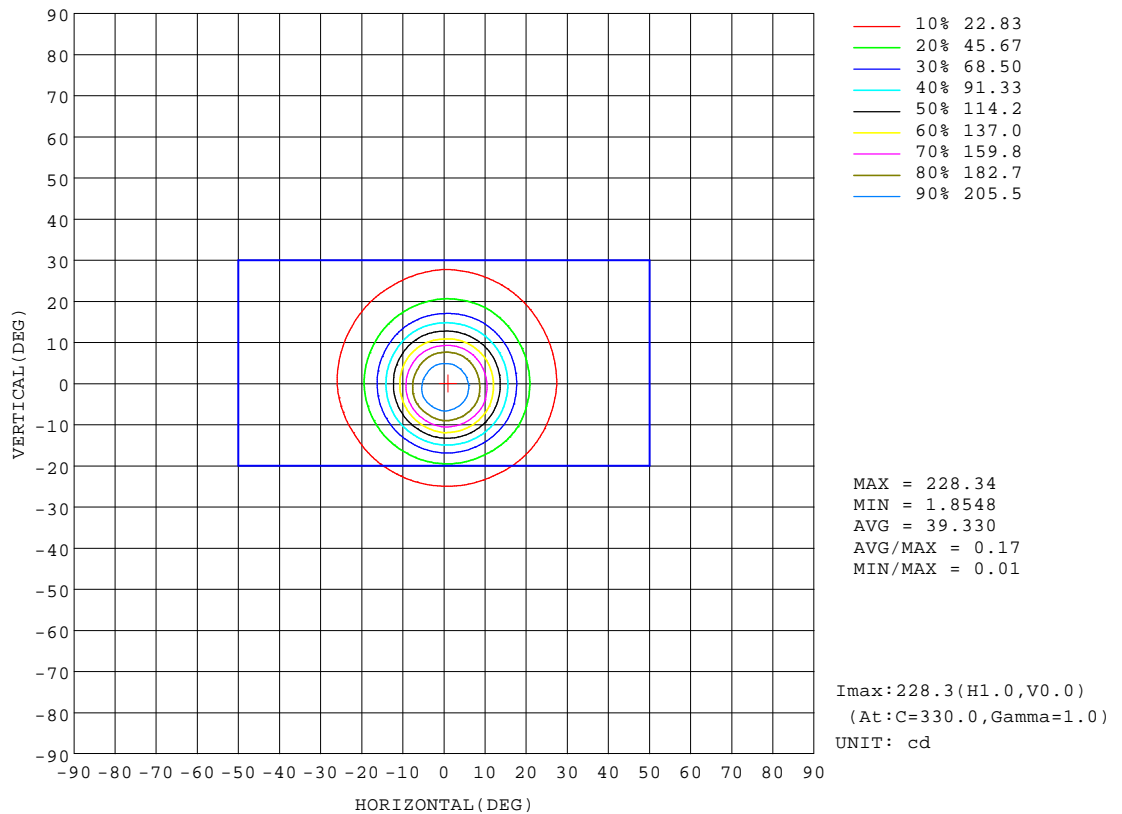
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	52	47	45	51	47	45	51	47	45	43
0.80	56	52	50	56	52	50	55	52	50	47
1.00	59	56	53	59	55	53	58	55	53	50
1.25	62	58	56	61	58	56	60	57	55	53
1.50	63	60	58	63	60	58	61	59	57	54
2.00	65	63	60	64	62	60	63	61	59	56
2.50	66	64	62	65	63	61	63	62	60	57
3.00	67	65	63	66	64	63	64	63	61	57
4.00	69	67	65	67	66	65	65	64	63	59
5.00	69	68	67	68	67	66	66	65	64	59
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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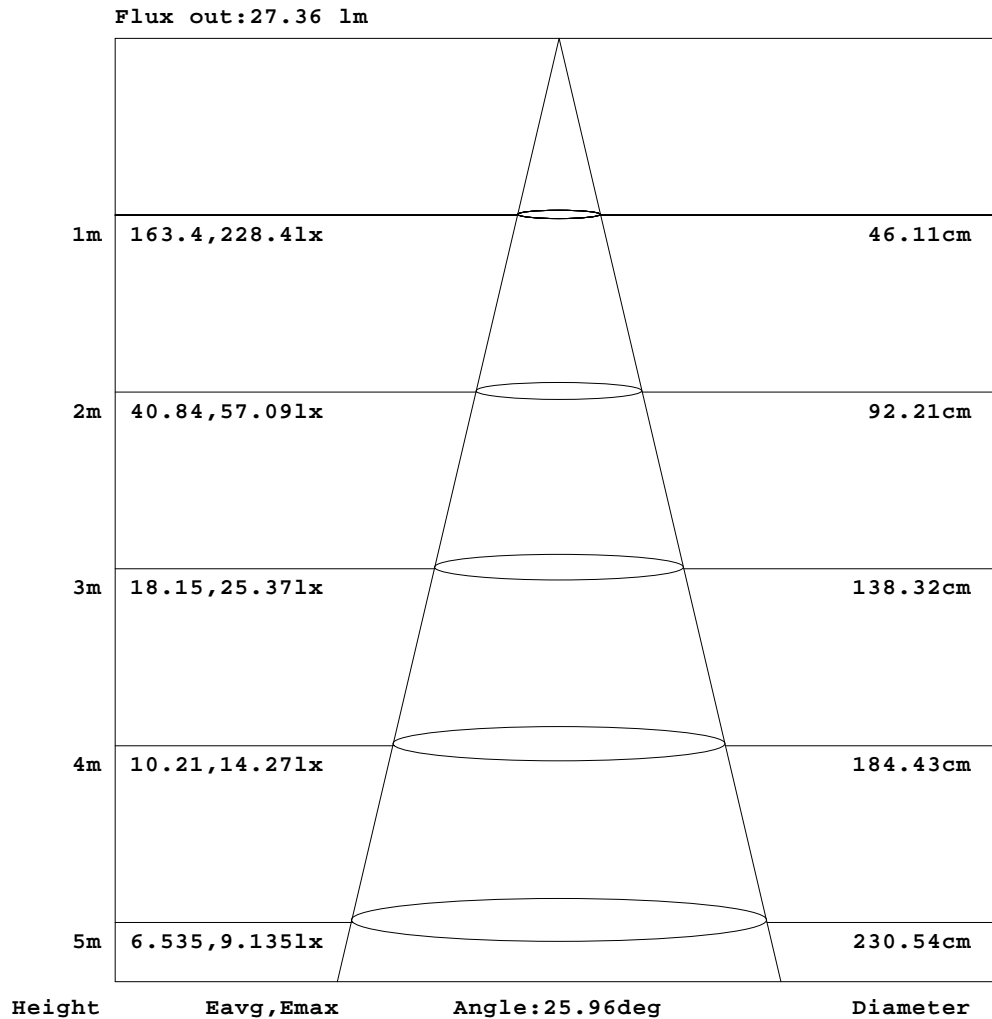


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AAI Figure

Test:U:23.980V I:0.0510A P:1.2231W PF:1.0000 Freq:0Hz Lamp Flux:114.769x1 lm		
NAME: 2417.201	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405130534
MFR.: RISE	SUR.: 0.0000785m2	Shielding Angle:



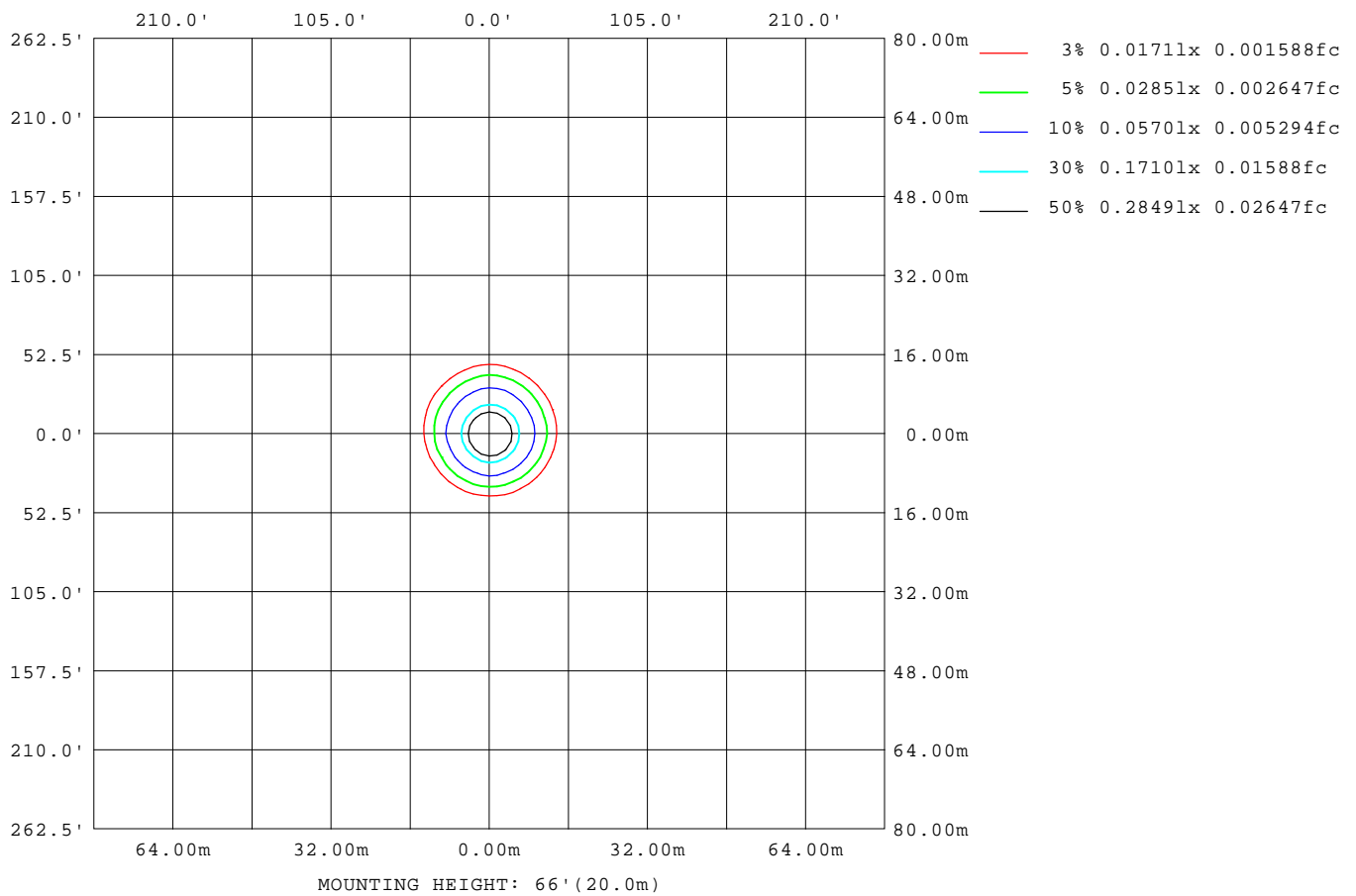
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2024-5-13

Range: 0 - 180DEG
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-DRT 15R
NO DRIVER: DC 24V
30minutes warm-up

ISOLUX DIAGRAM

Test:U:23.980V I:0.0510A P:1.2231W PF:1.0000 Freq:0Hz Lamp Flux:114.769x1 lm		
NAME: 2417.201	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405130534
MFR.: RISE	SUR.: 0.0000785m2	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-5-13

Range: 0 - 180DEG
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-DRT 15R
NO DRIVER:DC 24V
30minutes warm-up

LED Avg.L Report

Test:U:23.980V I:0.0510A P:1.2231W PF:1.0000 Freq:0Hz Lamp Flux:114.769x1 lm		
NAME: 2417.201	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405130534
MFR.: RISE	SUR.: 0.0000785m2	Shielding Angle:

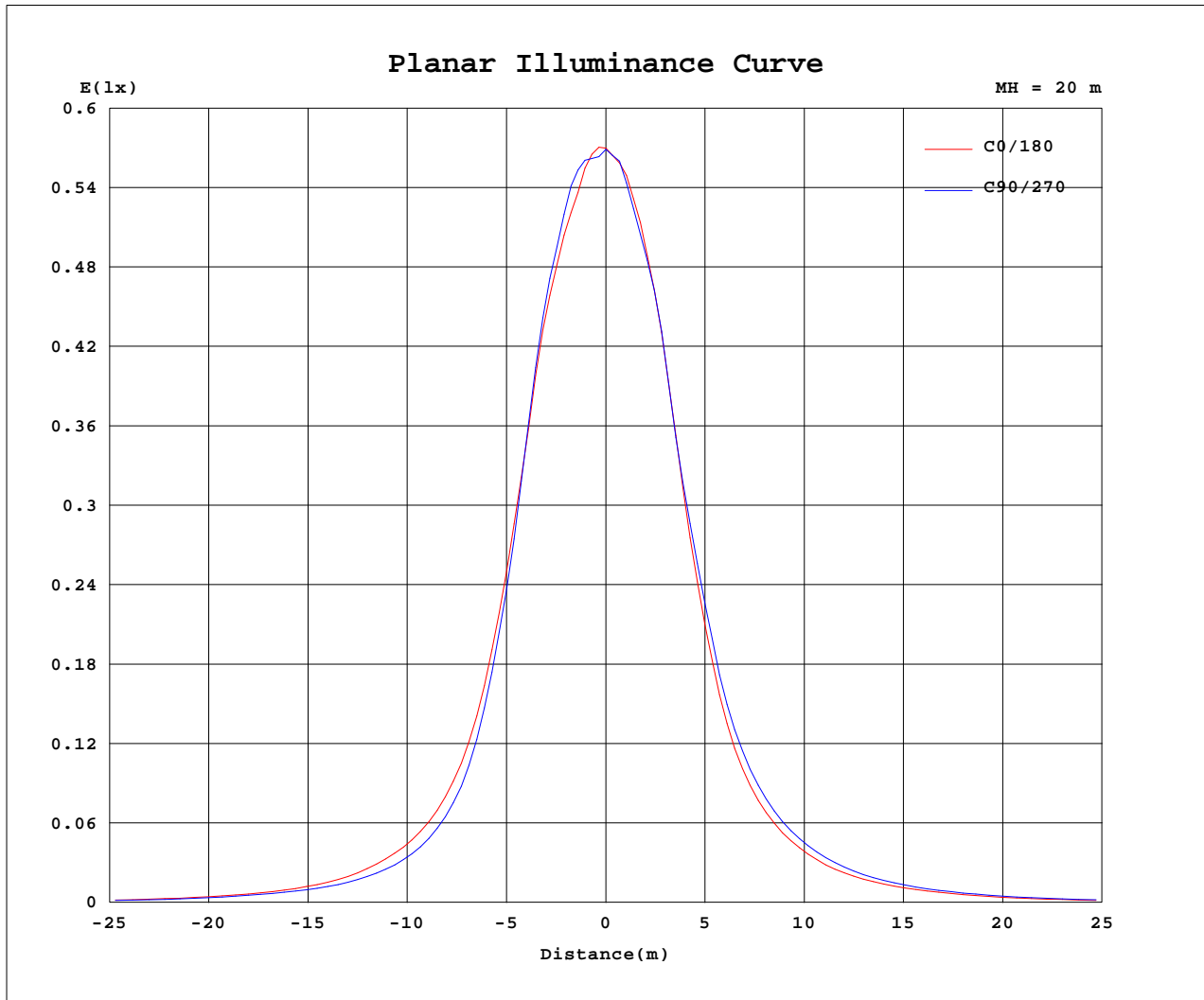
AvgL	cd/m2
L_0~180(65)av	21493
L_0~180(75)av	14793
L_0~180(85)av	8268
L_90~270(65)av	22427
L_90~270(75)av	19246
L_90~270(85)av	13027
L_45(65)av	25099
L_45(75)av	16856
L_45(85)av	7577

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-5-13

Range: 0 - 180DEG
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-DRT 15R
NO DRIVER:DC 24V
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: 2024-5-13

Range: 0 - 180DEG
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-DRT 15R
NO DRIVER: DC 24V
30minutes warm-up



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.980V I:0.0510A P:1.2231W PF:1.0000 Freq:0Hz Lamp Flux:114.769x1 lm		
NAME: 2417.201	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405130534
MFR.: RISE	SUR.: 0.0000785m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	228	228	228	228	228	228	228	228	228	228	228	228						
5	211	216	217	219	217	214	208	204	204	204	207	208						
10	166	172	171	169	160	153	148	147	147	147	156	161						
15	97.1	98.0	95.4	90.9	85.2	82.7	81.0	81.9	85.9	88.5	92.6	95.8						
20	50.7	50.1	44.8	42.4	40.4	40.7	42.6	42.6	45.1	48.6	50.8	50.1						
25	28.9	26.7	23.6	22.7	22.1	22.4	25.1	25.3	26.5	29.2	29.2	28.4						
30	17.9	16.0	14.6	13.7	13.8	14.1	15.6	16.5	17.1	18.7	18.4	18.0						
35	11.2	10.1	9.28	8.83	8.91	9.07	10.2	11.1	11.5	12.2	11.9	11.6						
40	7.48	6.85	6.34	6.24	6.01	6.02	6.92	7.59	7.88	8.30	8.16	7.83						
45	5.03	4.66	4.26	4.23	4.04	4.01	4.58	5.02	5.24	5.58	5.51	5.22						
50	3.39	3.24	2.94	2.85	2.76	2.79	3.03	3.31	3.35	3.68	3.75	3.46						
55	2.32	2.40	2.07	1.92	1.91	1.94	1.96	2.14	2.11	2.36	2.62	2.30						
60	1.48	1.72	1.36	1.25	1.33	1.15	1.07	1.26	1.23	1.40	1.73	1.46						
65	0.83	1.08	0.80	0.73	0.79	0.69	0.59	0.75	0.71	0.76	0.98	0.78						
70	0.52	0.74	0.55	0.56	0.56	0.43	0.39	0.47	0.48	0.54	0.62	0.46						
75	0.35	0.44	0.40	0.42	0.35	0.26	0.25	0.30	0.30	0.36	0.38	0.31						
80	0.22	0.26	0.26	0.28	0.22	0.16	0.14	0.18	0.20	0.24	0.24	0.20						
85	0.09	0.11	0.10	0.11	0.01	0.03	0.02	0.02	0.04	0.07	0.07	0.07						
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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