Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P244236

Luminaire Tested: **LD8B10D010 ER8B10830 8LBW0H**

Issue Date: 03/03/2020

Report Generated By E0454808 / USPTCWHP6056648

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Test Information

Test Method:	LM-79-08
Report Number:	P244236
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)
Test Lab:	INNOVATION CENTER-P2
Issue Date:	03/03/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	PORTFOLIO
Catalog Number:	LD8B10D010 ER8B10830 8LBW0H
Description:	PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED DOWNLIGHT
	80 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1089.9 lumens
Efficiency:	N/A
Efficacy:	106.9 lumens/watt
Spacing Criteria (0/90/45):	1.19 / 1.19 / 1.12
Luminous Opening:	Circular (Dia: 0.67' x H: 0')
CIE Type:	Direct

Input Watts (W):	10.2
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	25 FT

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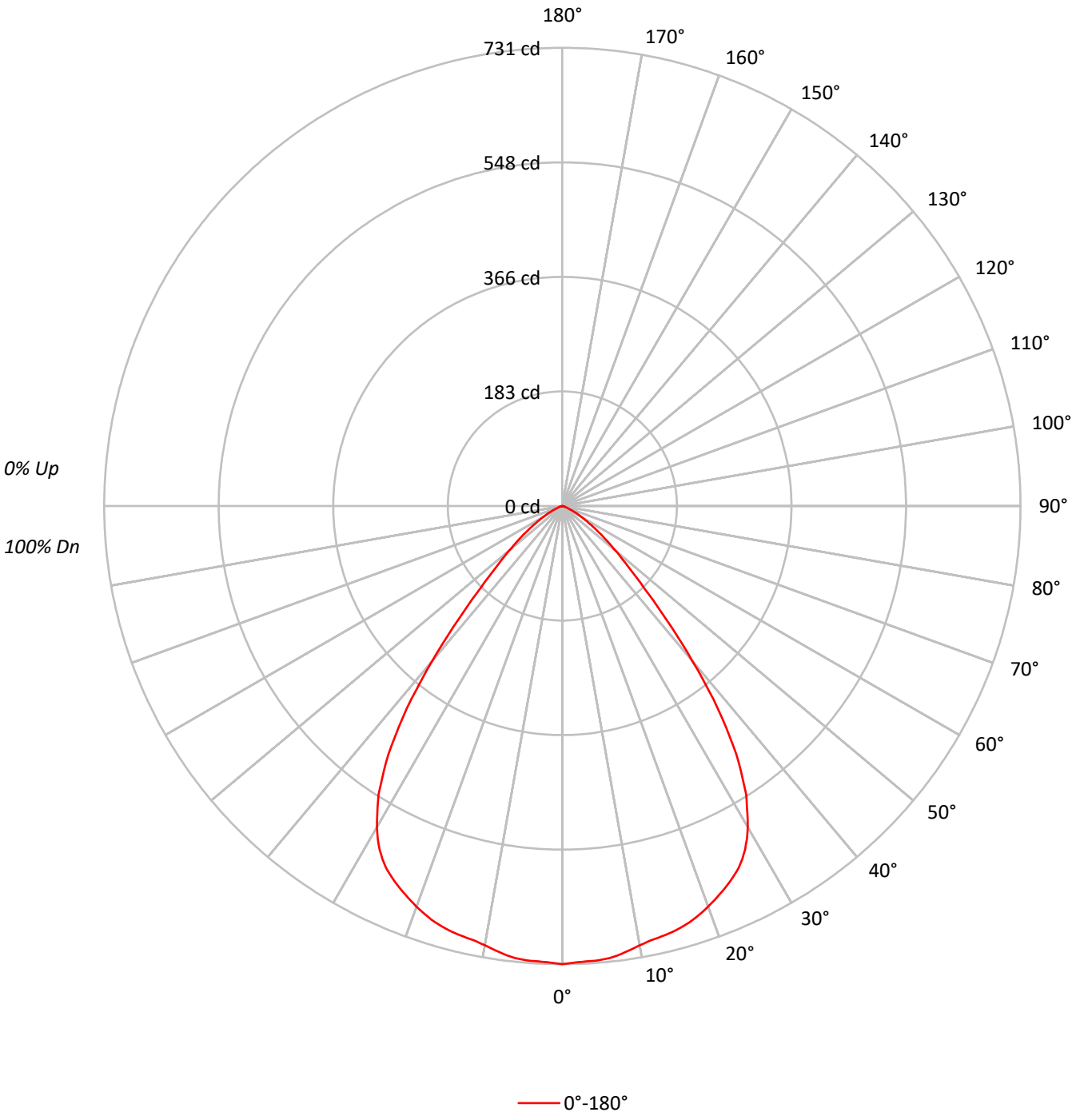
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	71	77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	22538
5°	22488
10°	22285
15°	22366
20°	22321
25°	22102
30°	21065
35°	18239
40°	13010
45°	7998
50°	5272
55°	3489
60°	2233
65°	1219
70°	595
75°	298
80°	160
85°	106

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.9	6.3
10°-20°	197.6	18.1
20°-30°	297.4	27.3
30°-40°	294.4	27.0
40°-50°	149.6	13.7
50°-60°	60.3	5.5
60°-70°	18.2	1.7
70°-80°	3.1	0.3
80°-90°	0.4	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	563.9	51.7
0°-40°	858.3	78.7
0°-60°	1068.2	98.0
0°-90°	1089.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1089.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	731	
5°	726	69
15°	701	198
25°	650	297
35°	484	294
45°	183	150
55°	65	60
65°	17	18
75°	2	3
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	730.9
1°	729.3
2°	728.1
3°	727.7
4°	727.4
5°	726.5
6°	725.2
7°	722.7
8°	718.9
9°	715.5
10°	711.7
11°	708.5
12°	706.3
13°	704.7
14°	702.9
15°	700.6
16°	697.8
17°	694.3
18°	690.2
19°	685.5
20°	680.2
21°	674.5
22°	668.8
23°	662.8
24°	656.5
25°	649.6
26°	642.0
27°	632.3
28°	620.9
29°	607.4
30°	591.6
32.5°	545.6
35°	484.5
37.5°	408.3
40°	323.2
42.5°	244.2
45°	183.4
47.5°	140.2
50°	109.9
52.5°	85.4
55°	64.9
57.5°	48.2
60°	36.2
62.5°	25.8
65°	16.7

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CANDELA DISTRIBUTION (continued):

	0°
67.5°	*10.4*
70°	*6.6*
72.5°	*4.1*
75°	*2.5*
77.5°	*1.6*
80°	*0.9*
82.5°	*0.6*
85°	*0.3*
87.5°	*0.0*
90°	*0.0*

(END OF REPORT)