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: P249811

Luminaire Tested: **LD8B200D010 ER8B200840 8LBN0H**

Issue Date: 03/03/2020

Report Generated By E0454808 / USPTCWHP6056648

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Test Information

Test Method:	LM-79-08
Report Number:	P249811
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13959)
Test Lab:	INNOVATION CENTER-P1
Issue Date:	03/03/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	PORTFOLIO
Catalog Number:	LD8B200D010 ER8B200840 8LBN0H
Description:	PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED DOWNLIGHT
	80 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18843.0 lumens
Efficiency:	N/A
Efficacy:	84.4 lumens/watt
Spacing Criteria (0/90/45):	0.77 / 0.77 / 0.81
Luminous Opening:	Circular (Dia: 0.67' x H: 0')
CIE Type:	Direct

Input Watts (W):	223.3
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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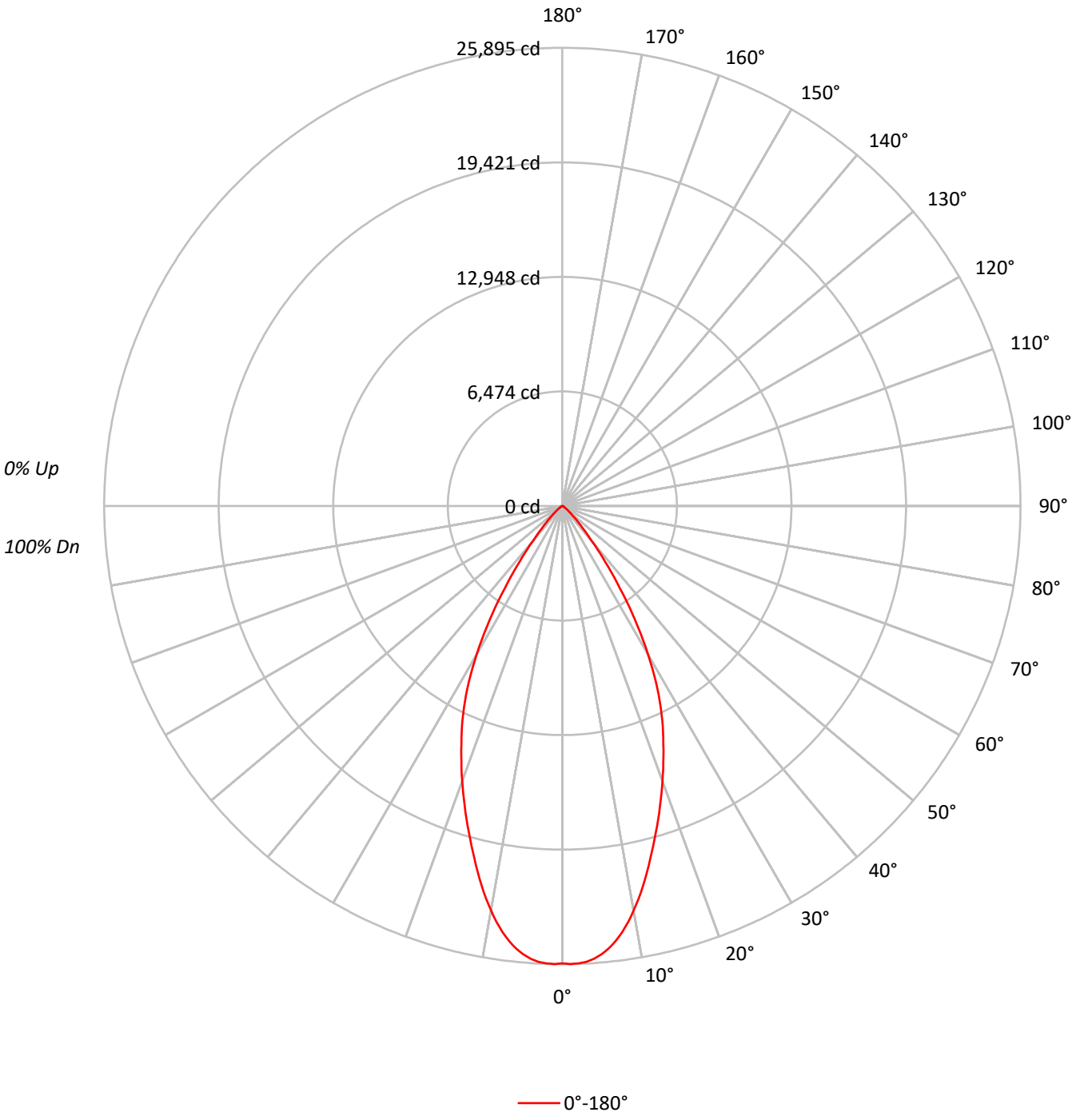
Luminous Intensity Polar Plot



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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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76
5	93	85	79	75	92	84	79	75	82	78	74	81	77	74	79	76	73	71
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67
7	84	75	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63
8	81	71	65	62	79	71	65	61	70	65	61	69	64	61	68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58	65	61	57	64	60	57	56
10	73	64	58	55	72	64	58	55	63	58	54	62	57	54	61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	796946
5°	787160
10°	726977
15°	633911
20°	543005
25°	454528
30°	345798
35°	214357
40°	105755
45°	50334
50°	24471
55°	12000
60°	7475
65°	5115
70°	2876
75°	2276
80°	2273
85°	2264

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2356.7	12.5
10°-20°	5532.8	29.4
20°-30°	6047.2	32.1
30°-40°	3598.6	19.1
40°-50°	987.1	5.2
50°-60°	223.6	1.2
60°-70°	69.1	0.4
70°-80°	21.0	0.1
80°-90°	7.0	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°	13936.7	74.0
0°-40°	17535.3	93.1
0°-60°	18746.0	99.5
0°-90°	18843.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18843.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	25844	
5°	25430	###
15°	19857	5533
25°	13359	6047
35°	5694	3599
45°	1154	987
55°	223	224
65°	70	69
75°	19	21
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	25844.4
1°	25895.4
2°	25863.5
3°	25799.8
4°	25653.1
5°	25429.9
6°	25143.0
7°	24760.4
8°	24314.0
9°	23797.5
10°	23217.2
11°	22598.7
12°	21935.5
13°	21253.2
14°	20545.4
15°	19856.8
16°	19180.8
17°	18517.7
18°	17854.5
19°	17191.3
20°	16547.3
22.5°	14927.6
25°	13359.0
27.5°	11630.9
30°	9711.6
32.5°	7651.9
35°	5694.3
37.5°	3959.9
40°	2627.2
42.5°	1721.7
45°	1154.2
47.5°	765.2
50°	510.1
52.5°	312.5
55°	223.2
57.5°	159.4
60°	121.2
62.5°	89.3
65°	70.1
67.5°	44.6
70°	31.9
72.5°	25.5
75°	19.1
77.5°	12.8
80°	12.8

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CANDELA DISTRIBUTION (continued):

	0°
82.5°	*6.4*
85°	*6.4*
87.5°	*6.4*
90°	*0.0*

(END OF REPORT)