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: P251128

Luminaire Tested: **LD8B60D010 ER8B60827 8LBN0WH**

Issue Date: 03/03/2020

Report Generated By E0454808 / USPTCWHP6056648

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Test Information

Test Method:	LM-79-08
Report Number:	P251128
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13946)
Test Lab:	INNOVATION CENTER-P1
Issue Date:	03/03/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	PORTFOLIO
Catalog Number:	LD8B60D010 ER8B60827 8LBN0WH
Description:	PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED DOWNLIGHT
	80 CRI 2700 CCT WITH WHEAT TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5458.0 lumens
Efficiency:	N/A
Efficacy:	91.7 lumens/watt
Spacing Criteria (0/90/45):	0.58 / 0.58 / 0.66
Luminous Opening:	Circular (Dia: 0.67' x H: 0')
CIE Type:	Direct

Input Watts (W):	59.5
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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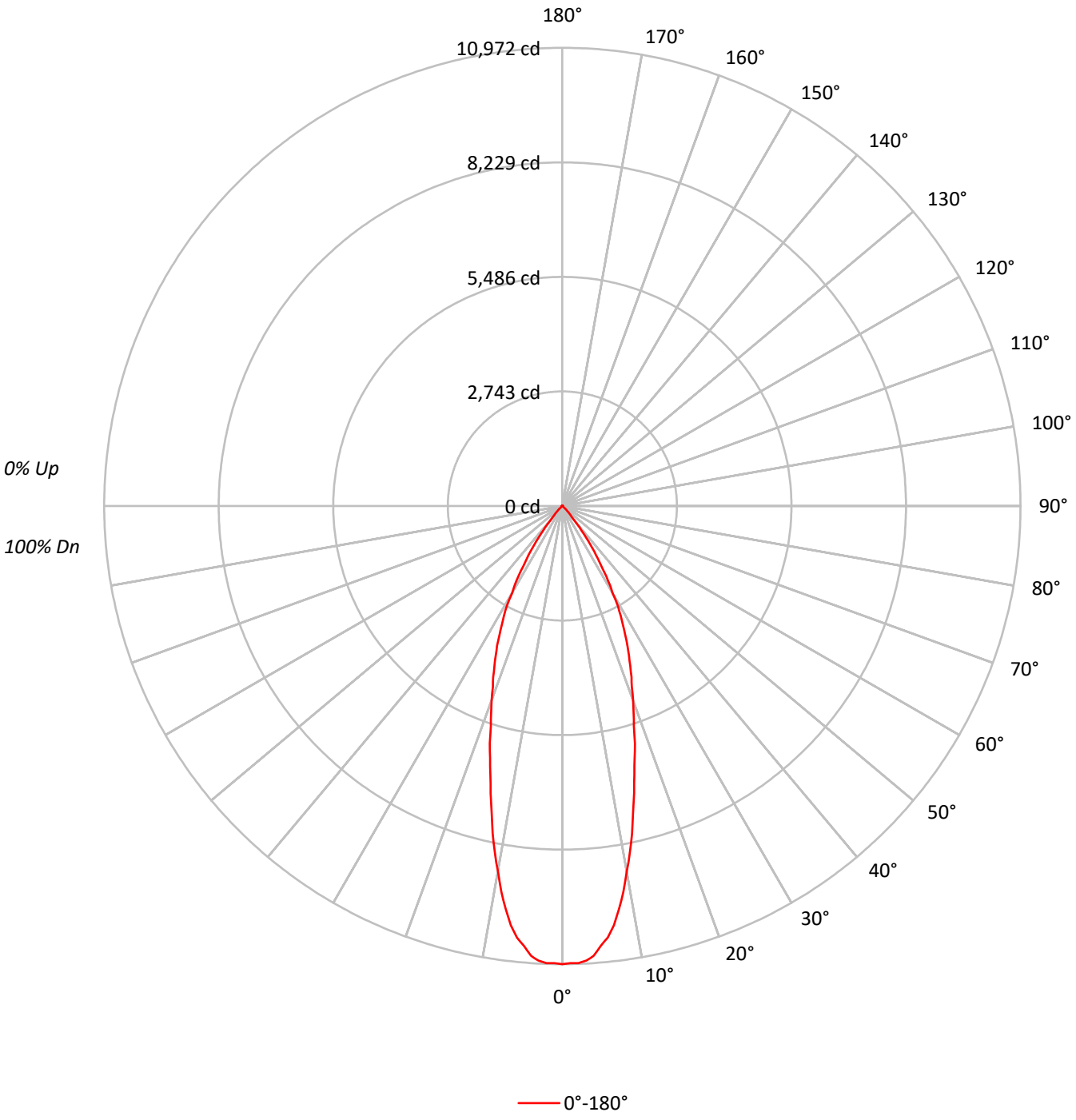
Luminous Intensity Polar Plot



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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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	85
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76
6	92	84	79	75	90	83	78	74	82	77	74	80	76	74	79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65
9	81	72	67	64	80	72	67	64	71	66	63	70	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	63	60	67	63	60	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	338333
5°	327188
10°	278251
15°	212372
20°	162305
25°	125774
30°	85784
35°	50398
40°	15409
45°	6062
50°	91
55°	102
60°	117
65°	277
70°	514
75°	453
80°	337
85°	2017

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	958.2	17.6
10°-20°	1856.8	34.0
20°-30°	1671.8	30.6
30°-40°	827.1	15.2
40°-50°	125.8	2.3
50°-60°	5.2	0.1
60°-70°	6.7	0.1
70°-80°	2.5	0.0
80°-90°	3.9	0.1
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°	4486.8	82.2
0°-40°	5313.9	97.4
0°-60°	5444.9	99.8
0°-90°	5458.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5458.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10972	
5°	10570	958
15°	6652	1857
25°	3697	1672
35°	1339	827
45°	139	126
55°	2	5
65°	4	7
75°	4	2
85°	6	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10971.9
1°	10949.1
2°	10954.7
3°	10899.5
4°	10798.6
5°	10570.1
6°	10394.8
7°	10116.8
8°	9743.5
9°	9354.9
10°	8886.4
11°	8467.5
12°	8018.0
13°	7520.9
14°	7092.4
15°	6652.4
16°	6277.2
17°	5945.9
18°	5538.3
19°	5239.3
20°	4946.0
21°	4641.3
22°	4418.5
23°	4159.4
24°	3921.4
25°	3696.6
26°	3431.9
27°	3193.9
28°	2980.5
29°	2746.3
30°	2409.2
31°	2218.8
32°	1978.8
33°	1715.9
34°	1516.0
35°	1338.8
37.5°	847.5
40°	382.8
42.5°	260.9
45°	139.0
47.5°	78.1
50°	1.9
52.5°	7.6
55°	1.9
57.5°	11.5

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CANDELA DISTRIBUTION (continued):

	0°
60°	1.9
62.5°	9.6
65°	3.8
67.5°	9.6
70°	5.7
72.5°	1.9
75°	3.8
77.5°	0.0
80°	1.9
82.5°	7.6
85°	5.7
87.5°	0.0
90°	0.0

(END OF REPORT)