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: P244433

Luminaire Tested: **LSR8B50D010 EC8B50950 8LBM0H**

Issue Date: 03/03/2020

Report Generated By E0454808 / USPTCWHP6056648

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P244433
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27951)
Test Lab:	INNOVATION CENTER-P2
Issue Date:	03/03/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	PORTFOLIO
Catalog Number:	LSR8B50D010 EC8B50950 8LBM0H
Description:	PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED DOWNLIGHT- CYLINDEC
	90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5004.0 lumens
Efficiency:	N/A
Efficacy:	94.4 lumens/watt
Spacing Criteria (0/90/45):	0.91 / 0.91 / 0.93
Luminous Opening:	Circular (Dia: 0.67' x H: 0')
CIE Type:	Direct

Input Watts (W):	53
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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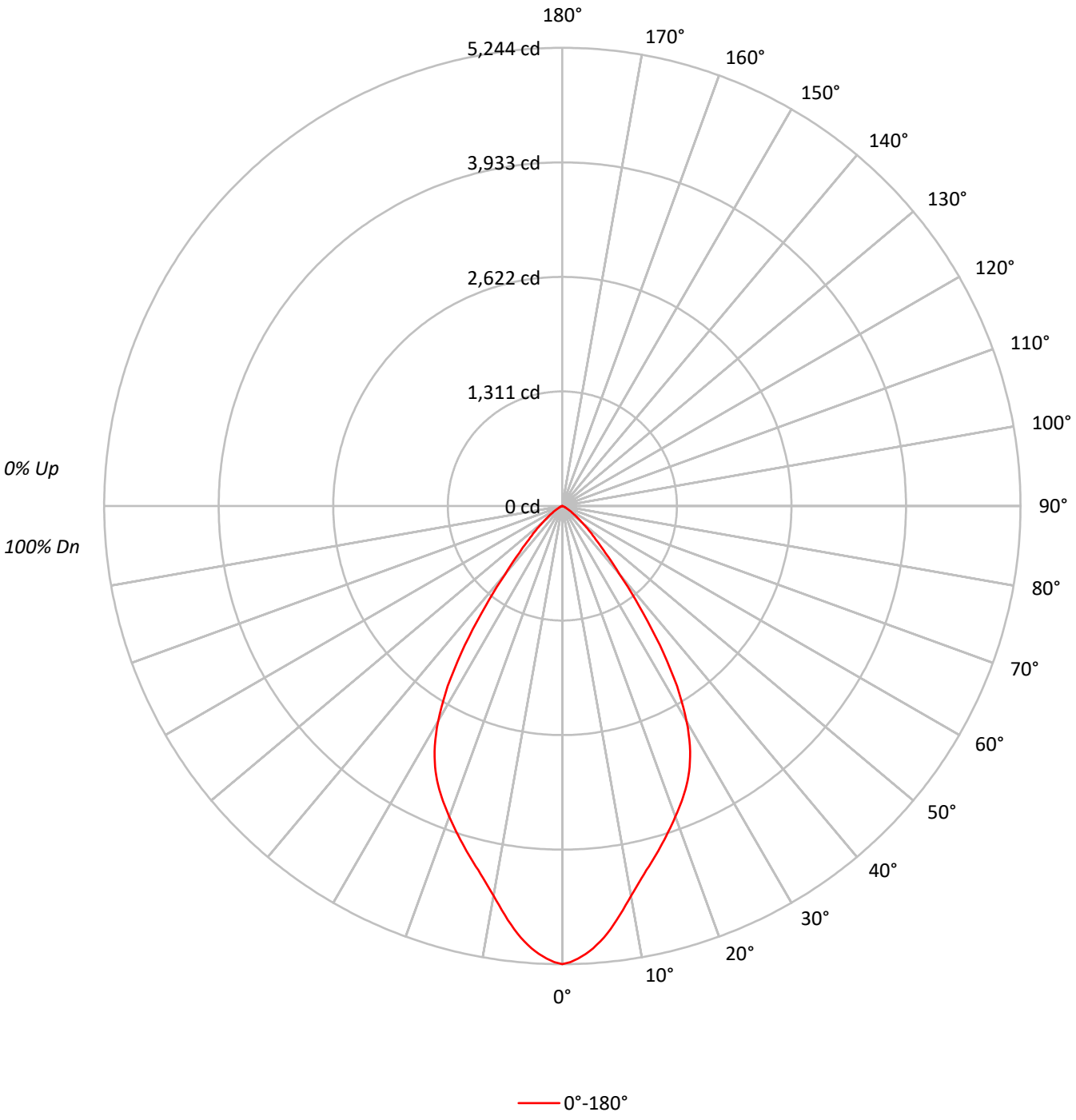
Luminous Intensity Polar Plot



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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	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67
6	85	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50
10	69	59	53	49	68	58	53	49	58	52	48	57	52	48	56	51	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	161690
5°	154832
10°	141875
15°	132016
20°	124167
25°	116172
30°	101312
35°	73222
40°	41051
45°	23619
50°	14454
55°	8226
60°	4274
65°	2182
70°	1190
75°	715
80°	426
85°	425

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	461.8	9.2
10°-20°	1162.5	23.2
20°-30°	1551.1	31.0
30°-40°	1195.6	23.9
40°-50°	445.8	8.9
50°-60°	145.8	2.9
60°-70°	33.6	0.7
70°-80°	6.8	0.1
80°-90°	1.0	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°	3175.5	63.5
0°-40°	4371.1	87.4
0°-60°	4962.7	99.2
0°-90°	5004.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5004.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5244	
5°	5002	462
15°	4135	1162
25°	3414	1551
35°	1945	1196
45°	542	446
55°	153	146
65°	30	34
75°	6	7
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	5243.5
1°	5220.8
2°	5182.6
3°	5133.5
4°	5073.8
5°	5002.0
6°	4920.7
7°	4827.5
8°	4728.3
9°	4625.4
10°	4531.0
11°	4440.1
12°	4355.3
13°	4277.6
14°	4205.8
15°	4135.3
16°	4063.6
17°	3994.2
18°	3922.5
19°	3851.9
20°	3783.8
21°	3713.3
22°	3645.1
23°	3573.4
24°	3498.1
25°	3414.4
26°	3322.3
27°	3220.7
28°	3108.3
29°	2982.8
30°	2845.3
32.5°	2442.4
35°	1945.1
37.5°	1440.6
40°	1019.8
42.5°	730.5
45°	541.6
47.5°	407.7
50°	301.3
52.5°	215.2
55°	153.0
57.5°	105.2
60°	69.3
62.5°	45.4
65°	29.9

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CANDELA DISTRIBUTION (continued):

	0°
67.5°	*20.3*
70°	*13.2*
72.5°	*8.4*
75°	*6.0*
77.5°	*3.6*
80°	*2.4*
82.5°	*1.2*
85°	*1.2*
87.5°	*0.0*
90°	*0.0*

(END OF REPORT)