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: P244396

Luminaire Tested: **LSR8B40D010 EC8B40840 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:	P244396
	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:	LSR8B40D010 EC8B40840 8LBM0H
Description:	PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED DOWNLIGHT- CYLINDEC
	80 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4308.0 lumens
Efficiency:	N/A
Efficacy:	105.3 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):	40.9
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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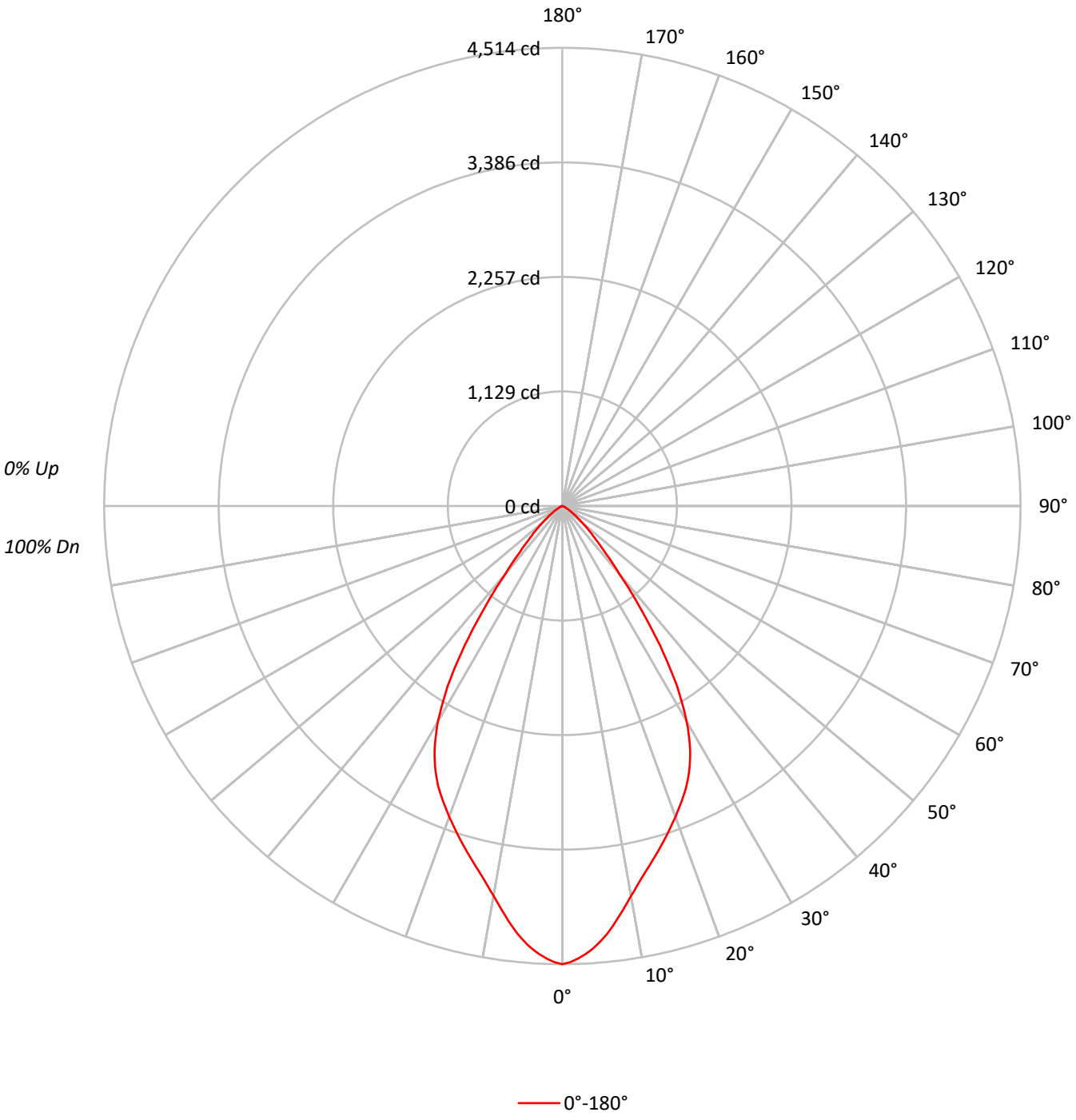
Luminous Intensity Polar Plot



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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°	139201
5°	133298
10°	122142
15°	113653
20°	106896
25°	100014
30°	87222
35°	63039
40°	35339
45°	20331
50°	12444
55°	7080
60°	3682
65°	1875
70°	1019
75°	608
80°	373
85°	354

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.6	9.2
10°-20°	1000.8	23.2
20°-30°	1335.4	31.0
30°-40°	1029.3	23.9
40°-50°	383.8	8.9
50°-60°	125.5	2.9
60°-70°	28.9	0.7
70°-80°	5.8	0.1
80°-90°	0.8	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°	2733.8	63.5
0°-40°	3763.1	87.4
0°-60°	4272.4	99.2
0°-90°	4308.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4308.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4514	
5°	4306	398
15°	3560	1001
25°	2940	1335
35°	1675	1029
45°	466	384
55°	132	126
65°	26	29
75°	5	6
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	4514.2
1°	4494.7
2°	4461.7
3°	4419.5
4°	4368.1
5°	4306.3
6°	4236.3
7°	4156.0
8°	4070.6
9°	3982.1
10°	3900.8
11°	3822.6
12°	3749.5
13°	3682.6
14°	3620.8
15°	3560.1
16°	3498.4
17°	3438.7
18°	3376.9
19°	3316.2
20°	3257.5
21°	3196.8
22°	3138.1
23°	3076.4
24°	3011.5
25°	2939.5
26°	2860.2
27°	2772.8
28°	2676.0
29°	2567.9
30°	2449.6
32.5°	2102.7
35°	1674.6
37.5°	1240.2
40°	877.9
42.5°	628.9
45°	466.2
47.5°	351.0
50°	259.4
52.5°	185.3
55°	131.7
57.5°	90.6
60°	59.7
62.5°	39.1
65°	25.7

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CANDELA DISTRIBUTION (continued):

	0°
67.5°	*17.5*
70°	*11.3*
72.5°	*7.2*
75°	*5.1*
77.5°	*3.1*
80°	*2.1*
82.5°	*1.0*
85°	*1.0*
87.5°	*0.0*
90°	*0.0*

(END OF REPORT)