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: P250808

Luminaire Tested: **LSR8B60D010 EC8B60940 8LBW0LI**

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:	P250808
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27941)
Test Lab:	INNOVATION CENTER-P2
Issue Date:	03/03/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	PORTFOLIO
Catalog Number:	LSR8B60D010 EC8B60940 8LBW0LI
Description:	PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED DOWNLIGHT- CYLINDEC
	90 CRI 4000 CCT WITH SPECULAR CLEAR TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5862.0 lumens
Efficiency:	N/A
Efficacy:	98.5 lumens/watt
Spacing Criteria (0/90/45):	1.34 / 1.34 / 1.17
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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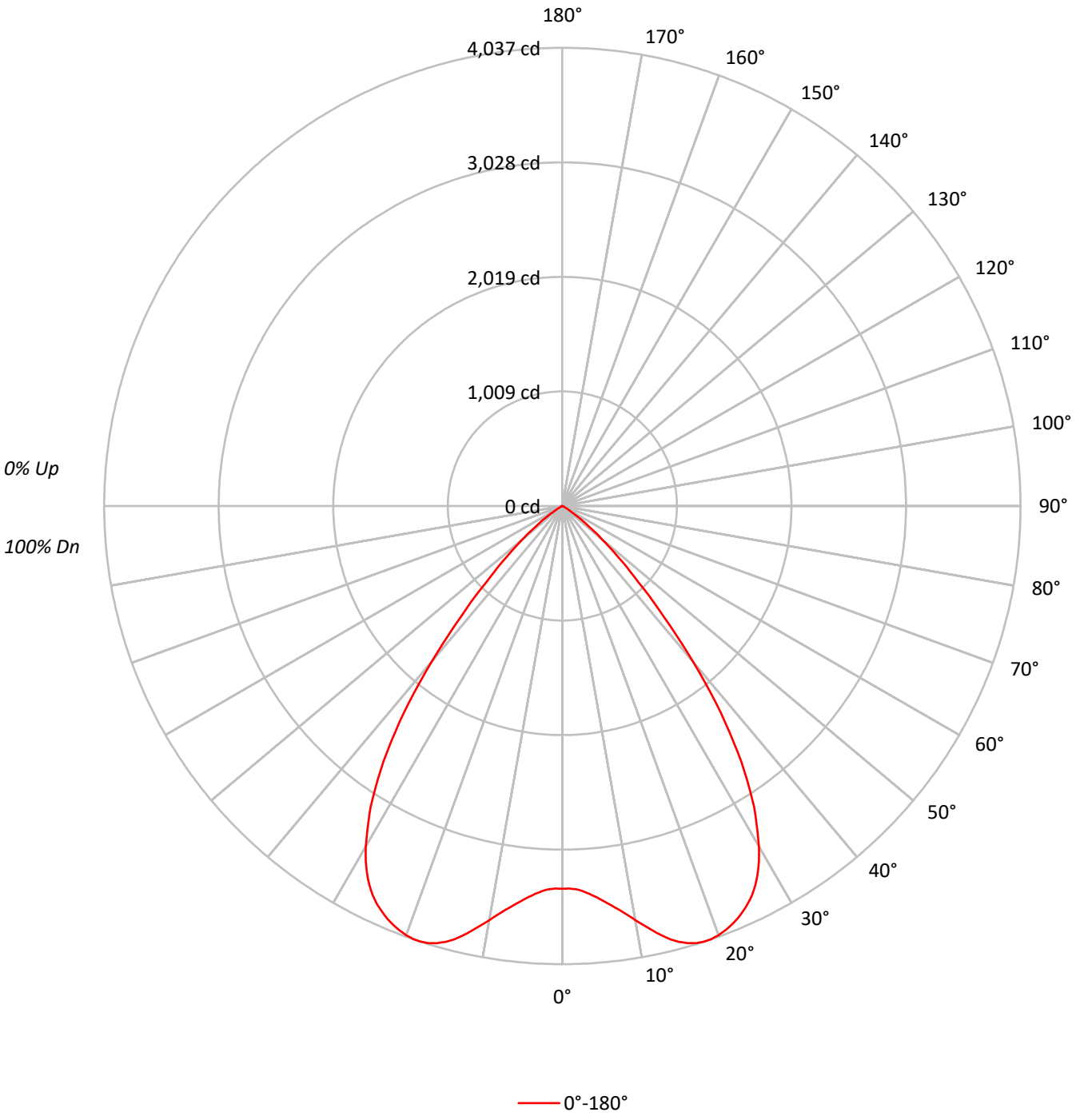
Luminous Intensity Polar Plot



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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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	104005
5°	107083
10°	116005
15°	126924
20°	132049
25°	131564
30°	123406
35°	103480
40°	72051
45°	41263
50°	22159
55°	9139
60°	2276
65°	584
70°	289
75°	191
80°	284
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.2	5.8
10°-20°	1120.6	19.1
20°-30°	1763.1	30.1
30°-40°	1677.1	28.6
40°-50°	773.2	13.2
50°-60°	175.7	3.0
60°-70°	11.5	0.2
70°-80°	2.3	0.0
80°-90°	0.2	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°	3221.9	55.0
0°-40°	4899.0	83.6
0°-60°	5847.9	99.8
0°-90°	5862.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5862.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3373	
5°	3459	338
15°	3976	1121
25°	3867	1763
35°	2749	1677
45°	946	773
55°	170	176
65°	8	12
75°	2	2
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	3372.8
1°	3371.2
2°	3377.6
3°	3396.9
4°	3425.7
5°	3459.4
6°	3501.1
7°	3546.0
8°	3592.5
9°	3647.1
10°	3704.8
11°	3762.5
12°	3823.5
13°	3881.2
14°	3934.1
15°	3975.8
16°	4006.3
17°	4027.2
18°	4036.8
19°	4035.2
20°	4024.0
21°	4004.7
22°	3980.7
23°	3948.6
24°	3911.7
25°	3866.8
26°	3813.9
27°	3746.5
28°	3666.3
29°	3573.3
30°	3465.8
32.5°	3143.5
35°	2748.9
37.5°	2290.2
40°	1789.9
42.5°	1323.1
45°	946.2
47.5°	670.4
50°	461.9
52.5°	295.1
55°	170.0
57.5°	85.0
60°	36.9
62.5°	14.4
65°	8.0

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CANDELA DISTRIBUTION (continued):

	0°
67.5°	*4.8*
70°	*3.2*
72.5°	*3.2*
75°	*1.6*
77.5°	*1.6*
80°	*1.6*
82.5°	*0.0*
85°	*0.0*
87.5°	*0.0*
90°	*0.0*

(END OF REPORT)