

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: P250976

Luminaire Tested: **LSR8B60D010 EC8B60940 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250976
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: LSR8B60D010 EC8B60940 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5474.9 lumens
Efficiency: N/A
Efficacy: 92.0 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

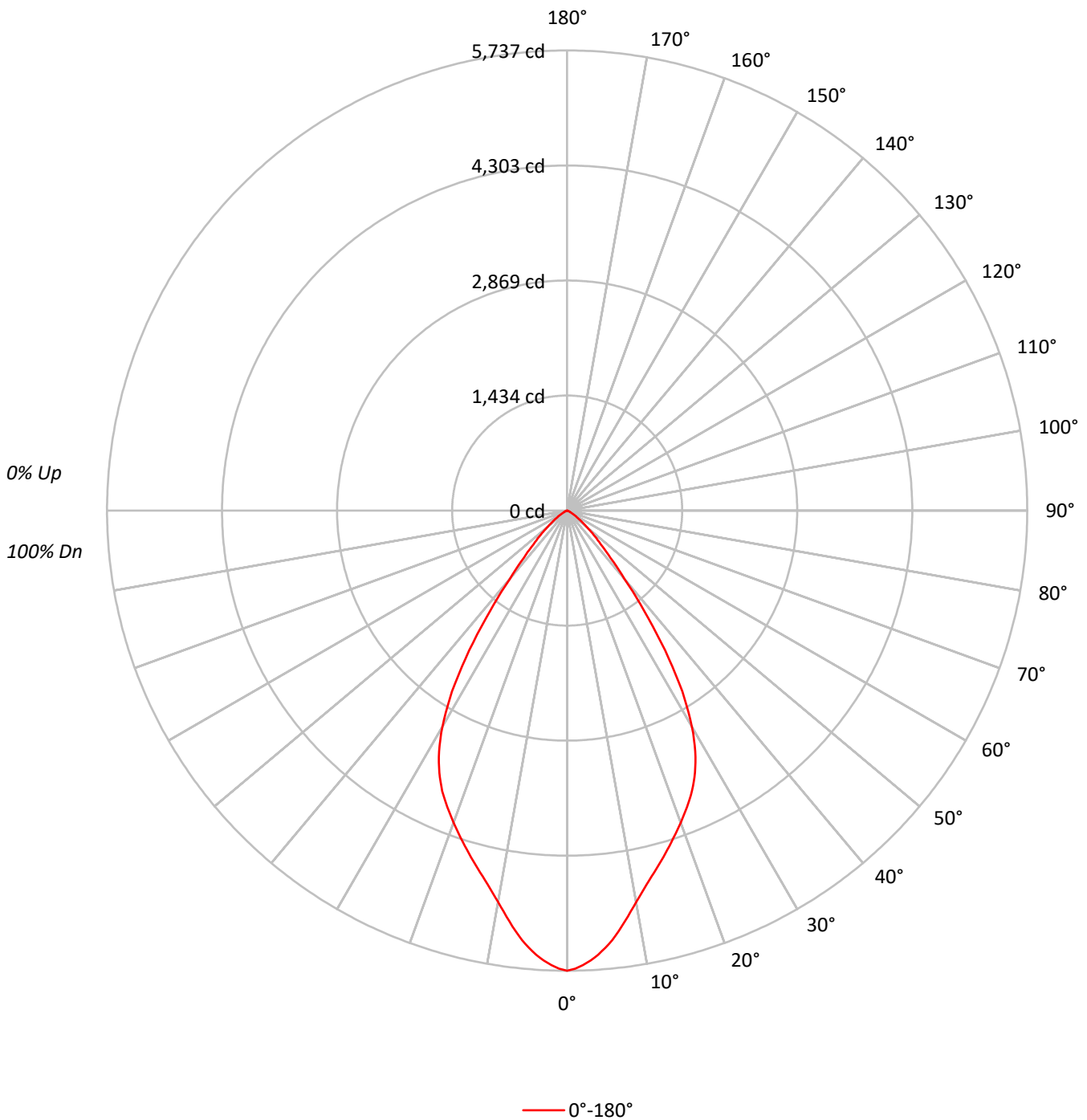
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
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°	176911
5°	169406
10°	155229
15°	144441
20°	135855
25°	127107
30°	110847
35°	80114
40°	44915
45°	25838
50°	15812
55°	9000
60°	4681
65°	2386
70°	1298
75°	774
80°	462
85°	460



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	505.3	9.2
10°-20°	1271.9	23.2
20°-30°	1697.1	31.0
30°-40°	1308.1	23.9
40°-50°	487.7	8.9
50°-60°	159.5	2.9
60°-70°	36.8	0.7
70°-80°	7.4	0.1
80°-90°	1.1	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°	3474.4	63.5
0°-40°	4782.5	87.4
0°-60°	5429.7	99.2
0°-90°	5474.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5474.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5737	
5°	5473	505
15°	4524	1272
25°	3736	1697
35°	2128	1308
45°	592	488
55°	167	159
65°	33	37
75°	6	7
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5737.1
1°	5712.2
2°	5670.4
3°	5616.7
4°	5551.3
5°	5472.8
6°	5383.9
7°	5281.9
8°	5173.3
9°	5060.8
10°	4957.5
11°	4858.1
12°	4765.2
13°	4680.2
14°	4601.7
15°	4524.5
16°	4446.0
17°	4370.2
18°	4291.7
19°	4214.5
20°	4140.0
21°	4062.8
22°	3988.2
23°	3909.7
24°	3827.3
25°	3735.8
26°	3635.0
27°	3523.9
28°	3400.9
29°	3263.6
30°	3113.1
32.5°	2672.3
35°	2128.2
37.5°	1576.2
40°	1115.8
42.5°	799.2
45°	592.5
47.5°	446.0
50°	329.6
52.5°	235.4
55°	167.4
57.5°	115.1
60°	75.9
62.5°	49.7
65°	32.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	22.2
70°	14.4
72.5°	9.2
75°	6.5
77.5°	3.9
80°	2.6
82.5°	1.3
85°	1.3
87.5°	0.0
90°	0.0

(END OF REPORT)