

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: P250980

Luminaire Tested: **LD8B60D010 ER8B60927 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250980
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: LD8B60D010 ER8B60927 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4815.0 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

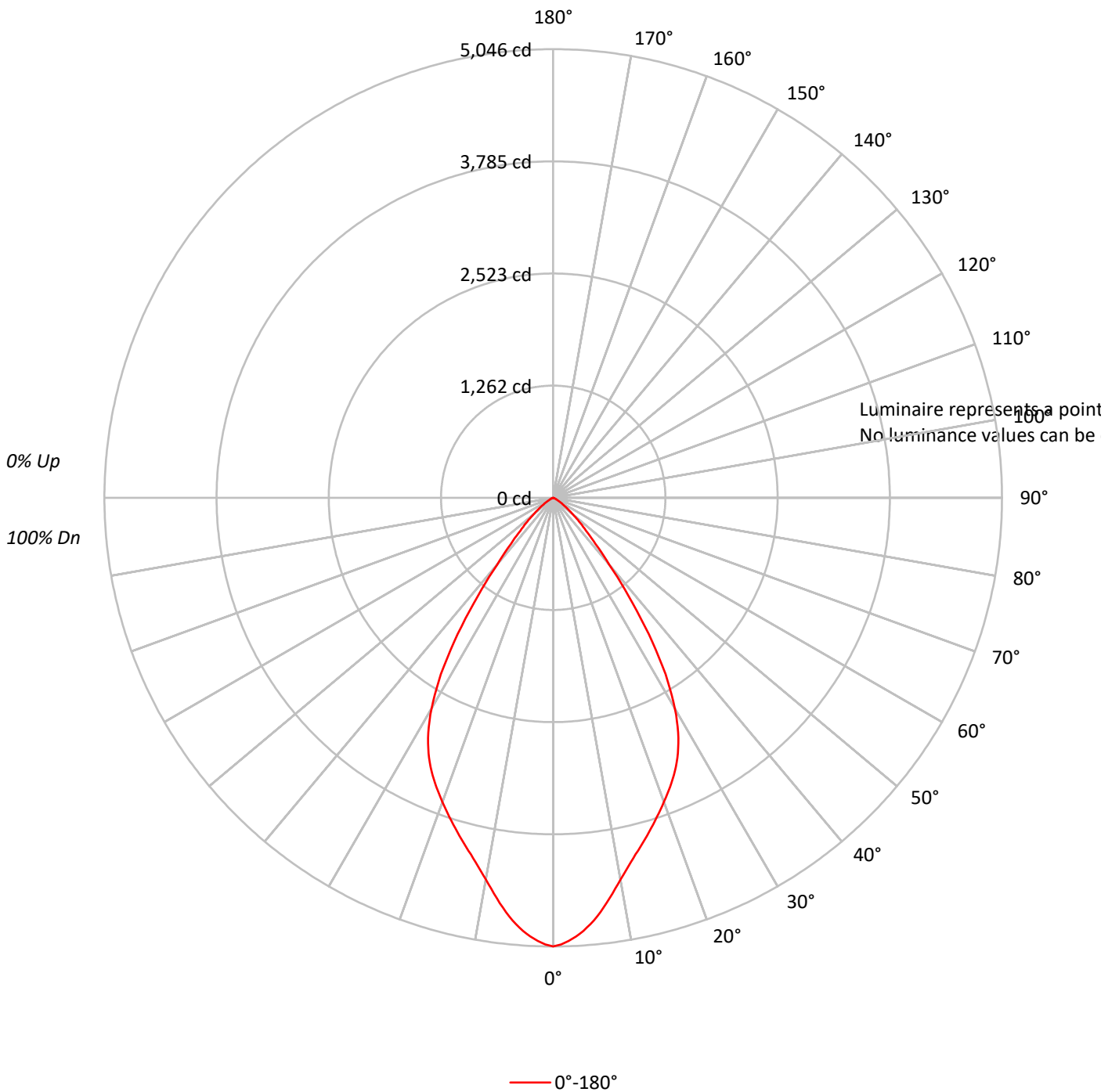
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.4	9.2
10°-20°	1118.6	23.2
20°-30°	1492.5	31.0
30°-40°	1150.5	23.9
40°-50°	429.0	8.9
50°-60°	140.3	2.9
60°-70°	32.4	0.7
70°-80°	6.5	0.1
80°-90°	0.9	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°	3055.5	63.5
0°-40°	4206.0	87.4
0°-60°	4775.2	99.2
0°-90°	4815.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4815.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5046	
5°	4813	444
15°	3979	1119
25°	3285	1493
35°	1872	1150
45°	521	429
55°	147	140
65°	29	32
75°	6	6
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5045.5
1°	5023.6
2°	4986.8
3°	4939.7
4°	4882.2
5°	4813.1
6°	4734.9
7°	4645.1
8°	4549.7
9°	4450.7
10°	4359.8
11°	4272.4
12°	4190.7
13°	4116.0
14°	4047.0
15°	3979.1
16°	3910.0
17°	3843.3
18°	3774.4
19°	3706.4
20°	3640.8
21°	3573.0
22°	3507.4
23°	3438.4
24°	3366.0
25°	3285.4
26°	3196.8
27°	3099.0
28°	2990.9
29°	2870.1
30°	2737.9
32.5°	2350.2
35°	1871.7
37.5°	1386.2
40°	981.2
42.5°	702.9
45°	521.1
47.5°	392.3
50°	289.9
52.5°	207.1
55°	147.3
57.5°	101.2
60°	66.7
62.5°	43.8
65°	28.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	19.6
70°	12.6
72.5°	8.1
75°	5.7
77.5°	3.5
80°	2.2
82.5°	1.1
85°	1.1
87.5°	0.0
90°	0.0

(END OF REPORT)