

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: P250960

Luminaire Tested: **LD8B60D010 ER8B60827 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250960
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 ER8B60827 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5767.0 lumens
Efficiency: N/A
Efficacy: 96.9 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

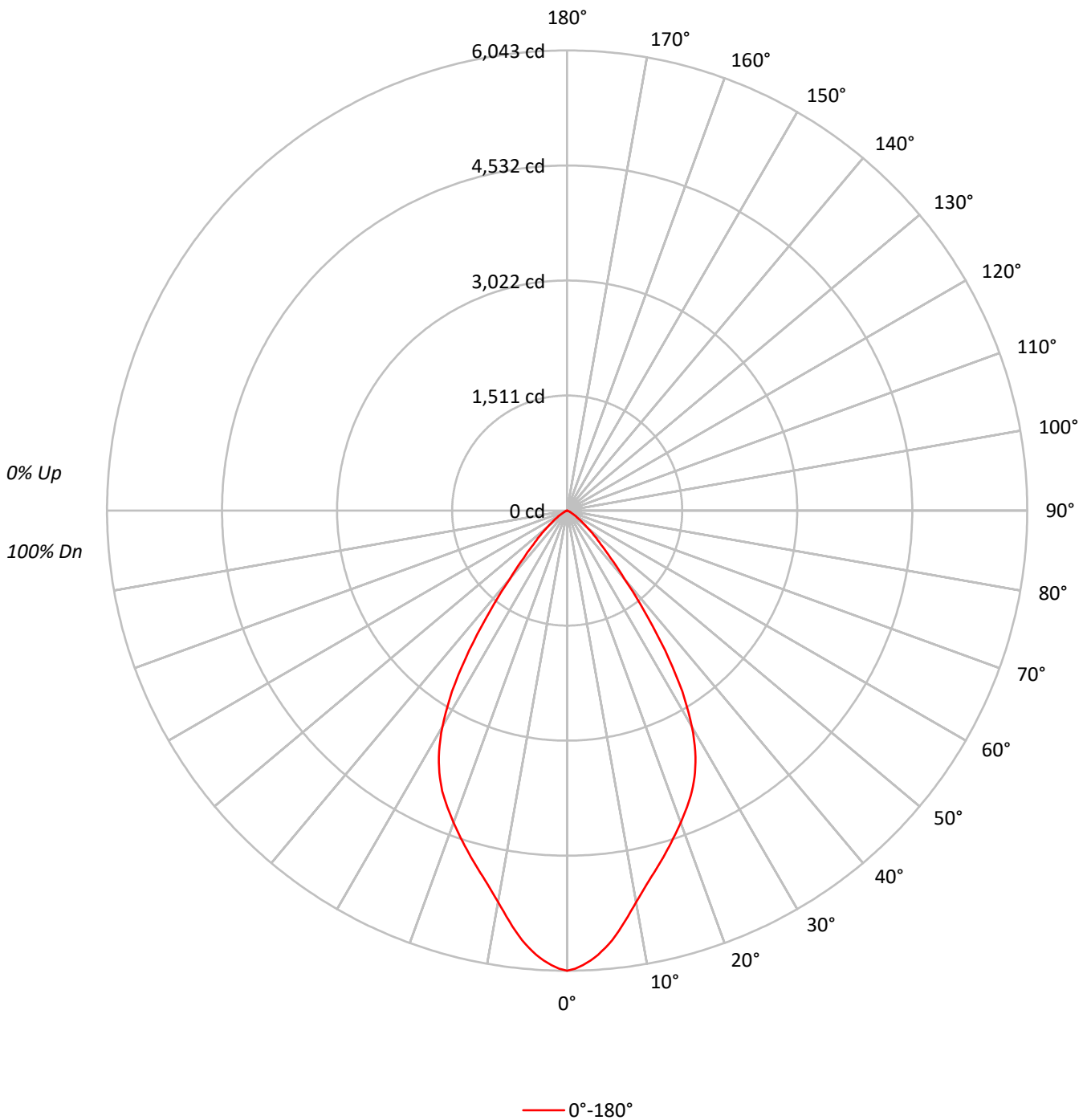
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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):

	0°
0°	186344
5°	178441
10°	163508
15°	152144
20°	143101
25°	133885
30°	116762
35°	84387
40°	47310
45°	27216
50°	16656
55°	9484
60°	4928
65°	2510
70°	1370
75°	822
80°	497
85°	495



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	532.3	9.2
10°-20°	1339.8	23.2
20°-30°	1787.6	31.0
30°-40°	1377.9	23.9
40°-50°	513.7	8.9
50°-60°	168.0	2.9
60°-70°	38.8	0.7
70°-80°	7.8	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°	3659.7	63.5
0°-40°	5037.6	87.4
0°-60°	5719.3	99.2
0°-90°	5767.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5767.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6043	
5°	5765	532
15°	4766	1340
25°	3935	1788
35°	2242	1378
45°	624	514
55°	176	168
65°	34	39
75°	7	8
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6043.0
1°	6016.9
2°	5972.8
3°	5916.3
4°	5847.4
5°	5764.7
6°	5671.0
7°	5563.6
8°	5449.2
9°	5330.7
10°	5221.9
11°	5117.2
12°	5019.3
13°	4929.8
14°	4847.1
15°	4765.8
16°	4683.2
17°	4603.2
18°	4520.6
19°	4439.3
20°	4360.8
21°	4279.5
22°	4200.9
23°	4118.3
24°	4031.5
25°	3935.0
26°	3828.9
27°	3711.8
28°	3582.3
29°	3437.6
30°	3279.2
32.5°	2814.9
35°	2241.7
37.5°	1660.3
40°	1175.3
42.5°	841.8
45°	624.1
47.5°	469.8
50°	347.2
52.5°	248.0
55°	176.4
57.5°	121.2
60°	79.9
62.5°	52.4
65°	34.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	23.4
70°	15.2
72.5°	9.6
75°	6.9
77.5°	4.1
80°	2.8
82.5°	1.4
85°	1.4
87.5°	0.0
90°	0.0

(END OF REPORT)