

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: P250944

Luminaire Tested: **LD8B60D010 ER8B60850 8LBN0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250944
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27944)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B60D010 ER8B60850 8LBN0H
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5722.1 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.79
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

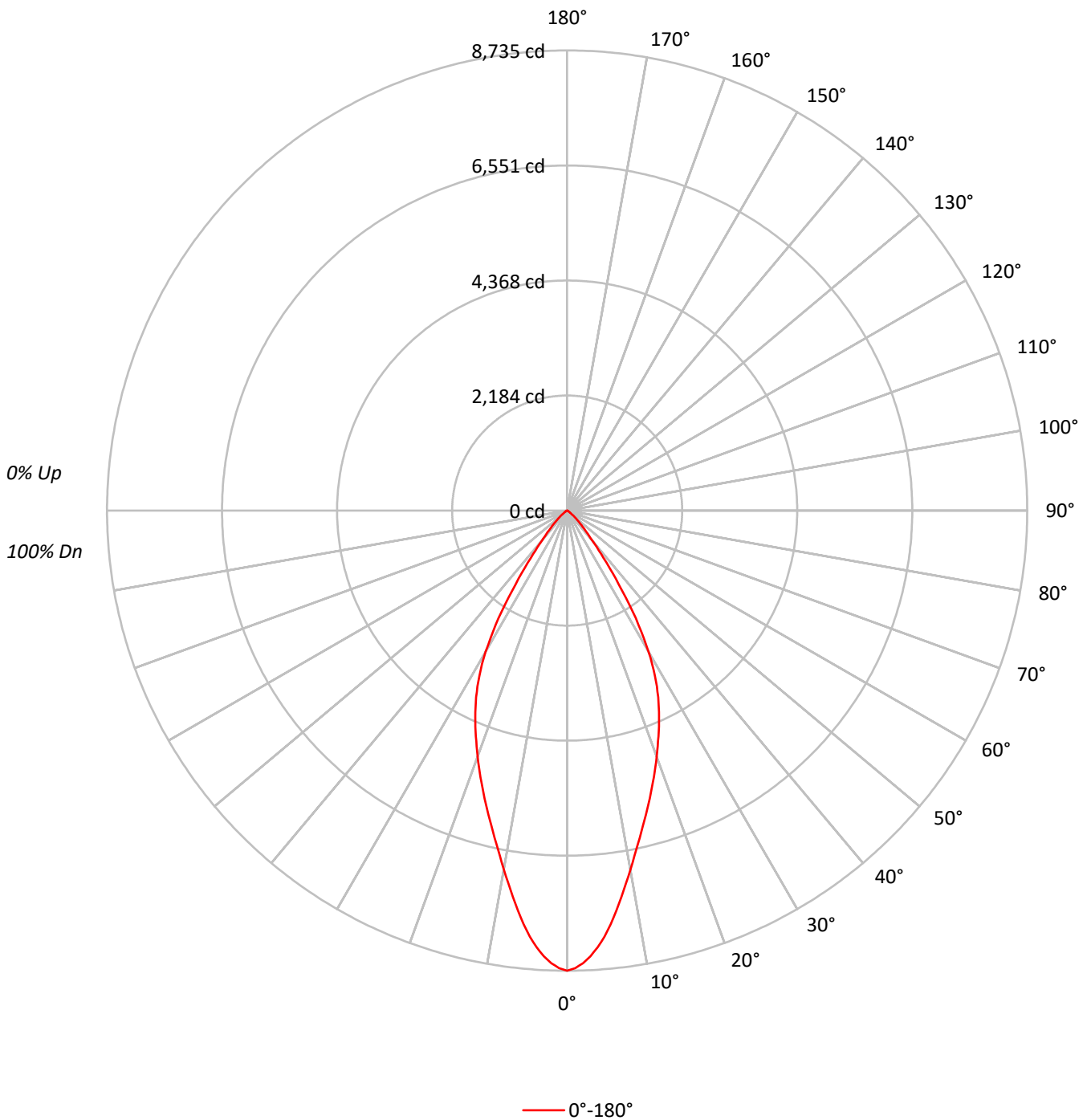
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	86	83	82
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84	80	78	76
5	93	85	79	75	92	84	79	75	82	78	74		81	77	74		79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75	71	69	67
7	85	76	70	66	83	75	69	65	74	69	65		72	68	65		71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61		69	64	61		68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58		65	61	58		64	60	57	56
10	74	64	59	55	73	64	58	55	63	58	55		62	58	54		61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	269346
5°	251233
10°	216560
15°	187420
20°	163036
25°	140115
30°	110092
35°	64236
40°	29639
45°	15337
50°	7695
55°	3742
60°	1906
65°	1131
70°	523
75°	465
80°	337
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	734.5	12.8
10°-20°	1641.5	28.7
20°-30°	1866.3	32.6
30°-40°	1096.0	19.2
40°-50°	294.1	5.1
50°-60°	69.8	1.2
60°-70°	15.9	0.3
70°-80°	3.6	0.1
80°-90°	0.3	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°	4242.3	74.1
0°-40°	5338.3	93.3
0°-60°	5702.3	99.7
0°-90°	5722.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5722.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8735	
5°	8116	735
15°	5871	1641
25°	4118	1866
35°	1706	1096
45°	352	294
55°	70	70
65°	16	16
75°	4	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8734.7
1°	8686.4
2°	8597.5
3°	8471.9
4°	8309.5
5°	8116.3
6°	7897.9
7°	7650.6
8°	7403.2
9°	7153.9
10°	6916.2
11°	6684.4
12°	6466.0
13°	6263.1
14°	6060.2
15°	5870.8
16°	5685.3
17°	5501.7
18°	5323.9
19°	5144.2
20°	4968.3
21°	4792.5
22°	4624.4
23°	4458.2
24°	4288.1
25°	4118.1
26°	3942.2
27°	3750.9
28°	3549.9
29°	3329.6
30°	3091.9
32.5°	2425.2
35°	1706.4
37.5°	1124.7
40°	736.3
42.5°	508.2
45°	351.7
47.5°	241.6
50°	160.4
52.5°	104.4
55°	69.6
57.5°	46.4
60°	30.9
62.5°	21.3
65°	15.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	9.7
70°	5.8
72.5°	3.9
75°	3.9
77.5°	1.9
80°	1.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)