

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: P250936

Luminaire Tested: **LD8B60D010 ER8B60827 8LBN0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250936
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 ER8B60827 8LBN0H
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5299.0 lumens
Efficiency: N/A
Efficacy: 89.1 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

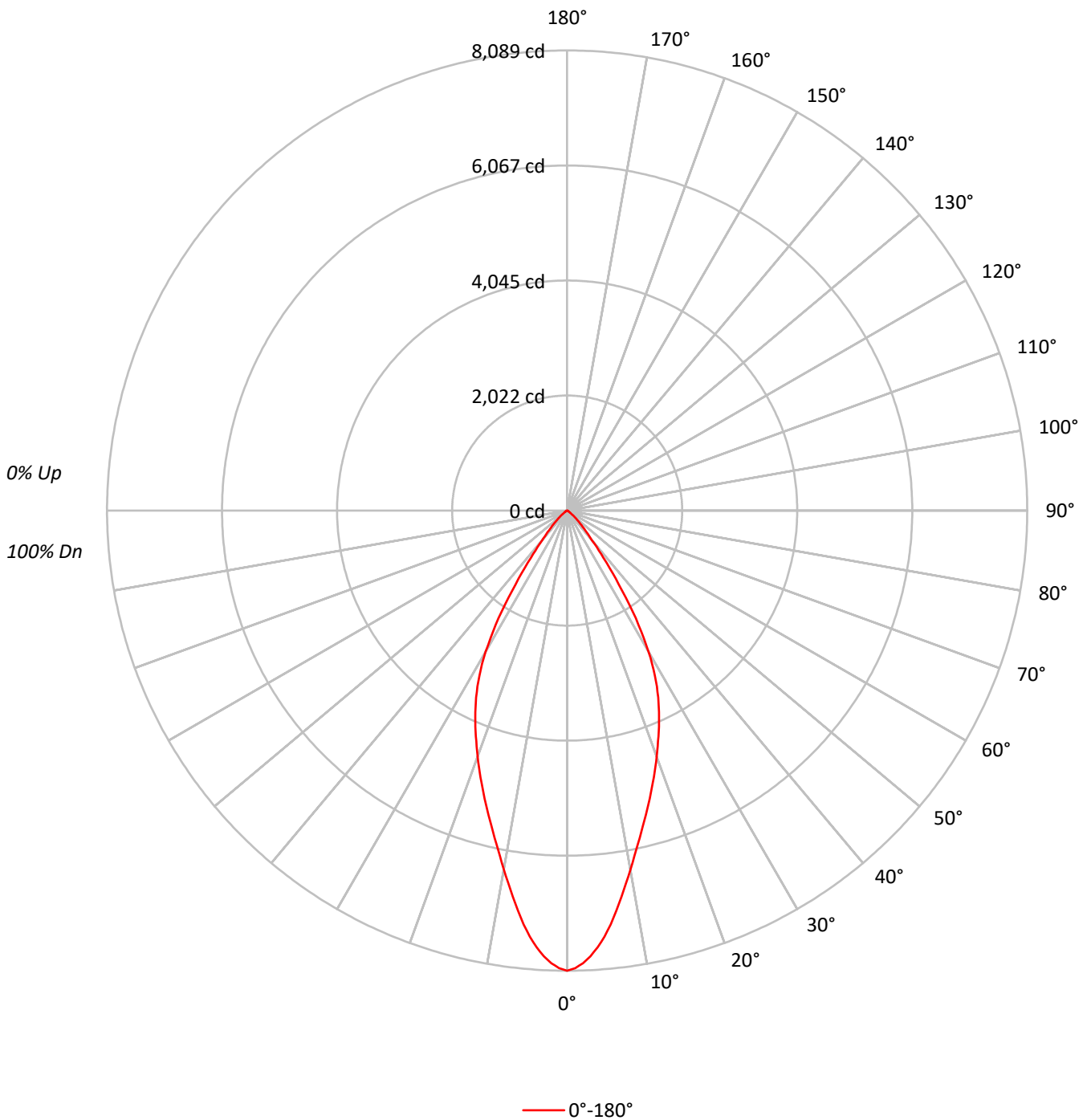
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	249435
5°	232660
10°	200553
15°	173565
20°	150987
25°	129754
30°	101956
35°	59485
40°	27445
45°	14203
50°	7124
55°	3462
60°	1764
65°	1043
70°	487
75°	429
80°	320
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	680.2	12.8
10°-20°	1520.1	28.7
20°-30°	1728.3	32.6
30°-40°	1015.0	19.2
40°-50°	272.4	5.1
50°-60°	64.6	1.2
60°-70°	14.7	0.3
70°-80°	3.3	0.1
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°	3928.7	74.1
0°-40°	4943.7	93.3
0°-60°	5280.7	99.7
0°-90°	5299.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5299.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8089	
5°	7516	680
15°	5437	1520
25°	3814	1728
35°	1580	1015
45°	326	272
55°	64	65
65°	14	15
75°	4	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8089.0
1°	8044.2
2°	7961.9
3°	7845.6
4°	7695.3
5°	7516.3
6°	7314.1
7°	7085.0
8°	6855.9
9°	6625.1
10°	6405.0
11°	6190.2
12°	5988.0
13°	5800.1
14°	5612.2
15°	5436.8
16°	5265.0
17°	5095.0
18°	4930.3
19°	4763.9
20°	4601.1
21°	4438.2
22°	4282.5
23°	4128.6
24°	3971.1
25°	3813.6
26°	3650.8
27°	3473.6
28°	3287.5
29°	3083.5
30°	2863.4
32.5°	2245.9
35°	1580.2
37.5°	1041.5
40°	681.8
42.5°	470.7
45°	325.7
47.5°	223.7
50°	148.5
52.5°	96.6
55°	64.4
57.5°	43.0
60°	28.6
62.5°	19.7
65°	14.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	8.9
70°	5.4
72.5°	3.6
75°	3.6
77.5°	1.8
80°	1.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)