

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: P250794

Luminaire Tested: **LD8B60D010 ER8B60830 8LBW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250794
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27941)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B60D010 ER8B60830 8LBW0LI
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6328.0 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

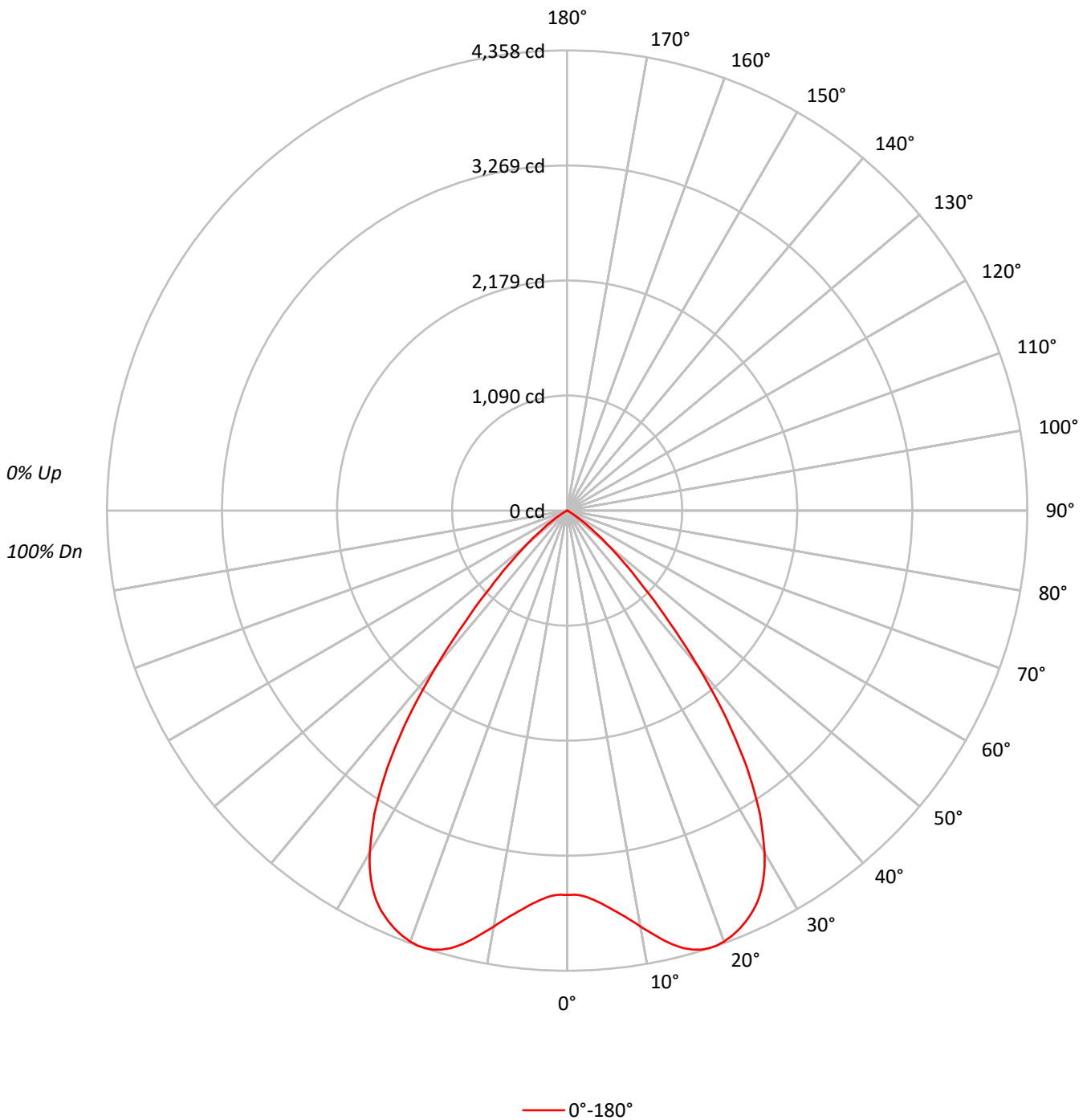
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	105	110	108	105	103	104	102	100		100	98	97		96	95	94	92
2	106	101	97	93	104	99	95	92	96	93	90		93	90	88		90	88	86	84
3	100	93	87	83	98	92	86	82	89	85	81		86	83	80		84	81	78	77
4	94	86	79	75	92	84	79	74	82	77	73		80	76	72		78	75	72	70
5	88	79	72	68	87	78	72	67	76	71	67		74	70	66		73	69	65	64
6	83	73	66	62	82	72	66	61	71	65	61		69	64	60		68	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63	59	55	54
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	48	44	65	54	48	44	53	48	44		53	47	44		52	47	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	112272
5°	115595
10°	125226
15°	137015
20°	142543
25°	142023
30°	133215
35°	111709
40°	77775
45°	44547
50°	23919
55°	9865
60°	2455
65°	635
70°	316
75°	203
80°	302
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.1	5.8
10°-20°	1209.6	19.1
20°-30°	1903.3	30.1
30°-40°	1810.5	28.6
40°-50°	834.7	13.2
50°-60°	189.7	3.0
60°-70°	12.5	0.2
70°-80°	2.5	0.0
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°	3478.0	55.0
0°-40°	5288.5	83.6
0°-60°	6312.8	99.8
0°-90°	6328.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6328.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3641	
5°	3734	365
15°	4292	1210
25°	4174	1903
35°	2968	1810
45°	1022	835
55°	184	190
65°	9	12
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3640.9
1°	3639.2
2°	3646.1
3°	3666.9
4°	3698.1
5°	3734.4
6°	3779.4
7°	3827.9
8°	3878.1
9°	3937.0
10°	3999.3
11°	4061.6
12°	4127.4
13°	4189.8
14°	4246.9
15°	4291.9
16°	4324.8
17°	4347.3
18°	4357.7
19°	4356.0
20°	4343.8
21°	4323.1
22°	4297.1
23°	4262.5
24°	4222.7
25°	4174.2
26°	4117.0
27°	4044.3
28°	3957.8
29°	3857.3
30°	3741.3
32.5°	3393.4
35°	2967.5
37.5°	2472.3
40°	1932.1
42.5°	1428.3
45°	1021.5
47.5°	723.7
50°	498.6
52.5°	318.6
55°	183.5
57.5°	91.8
60°	39.8
62.5°	15.6
65°	8.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.2
70°	3.5
72.5°	3.5
75°	1.7
77.5°	1.7
80°	1.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)