

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: P243805

Luminaire Tested: **LD8B15D010 ER8B15830 8LBW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P243805
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: LD8B15D010 ER8B15830 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: 1565.0 lumens
Efficiency: N/A
Efficacy: 108.7 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

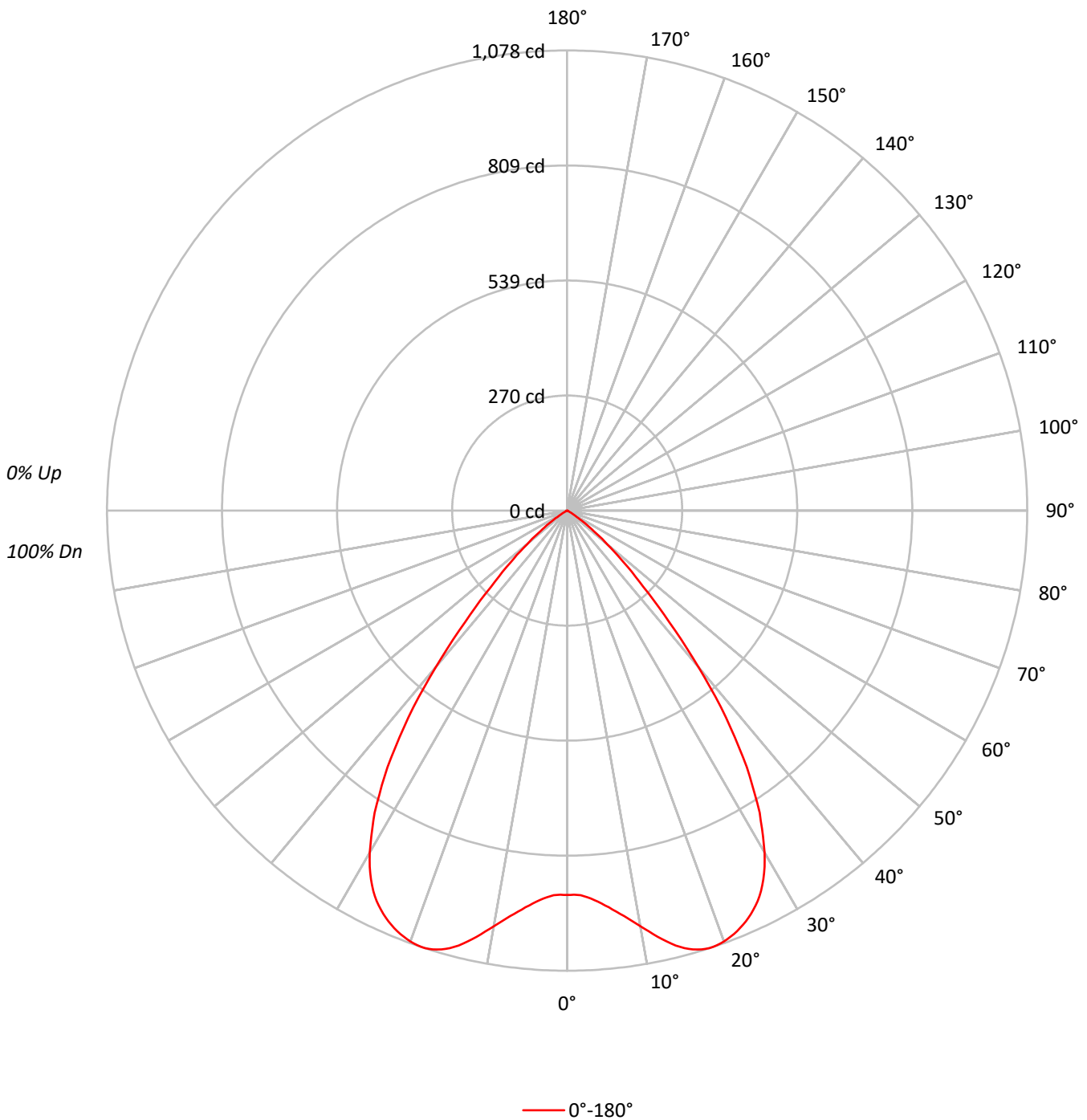
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	27768
5°	28589
10°	30971
15°	33884
20°	35253
25°	35123
30°	32947
35°	27627
40°	19233
45°	11016
50°	5915
55°	2441
60°	604
65°	153
70°	81
75°	48
80°	71
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.3	5.8
10°-20°	299.2	19.1
20°-30°	470.7	30.1
30°-40°	447.7	28.6
40°-50°	206.4	13.2
50°-60°	46.9	3.0
60°-70°	3.1	0.2
70°-80°	0.6	0.0
80°-90°	0.1	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°	860.2	55.0
0°-40°	1307.9	83.6
0°-60°	1561.2	99.8
0°-90°	1565.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1565.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	900	
5°	924	90
15°	1061	299
25°	1032	471
35°	734	448
45°	253	206
55°	45	47
65°	2	3
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	900.5
1°	900.0
2°	901.7
3°	906.9
4°	914.6
5°	923.6
6°	934.7
7°	946.7
8°	959.1
9°	973.7
10°	989.1
11°	1004.5
12°	1020.8
13°	1036.2
14°	1050.3
15°	1061.4
16°	1069.6
17°	1075.1
18°	1077.7
19°	1077.3
20°	1074.3
21°	1069.2
22°	1062.7
23°	1054.2
24°	1044.3
25°	1032.3
26°	1018.2
27°	1000.2
28°	978.8
29°	954.0
30°	925.3
32.5°	839.2
35°	733.9
37.5°	611.4
40°	477.8
42.5°	353.2
45°	252.6
47.5°	179.0
50°	123.3
52.5°	78.8
55°	45.4
57.5°	22.7
60°	9.8
62.5°	3.9
65°	2.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.3
70°	0.9
72.5°	0.9
75°	0.4
77.5°	0.4
80°	0.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)