

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: P245581

Luminaire Tested: **LD8B15D010 ER8B15950 8LBW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245581
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-46)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B15D010 ER8B15950 8LBW0GPH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 5000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1270.0 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

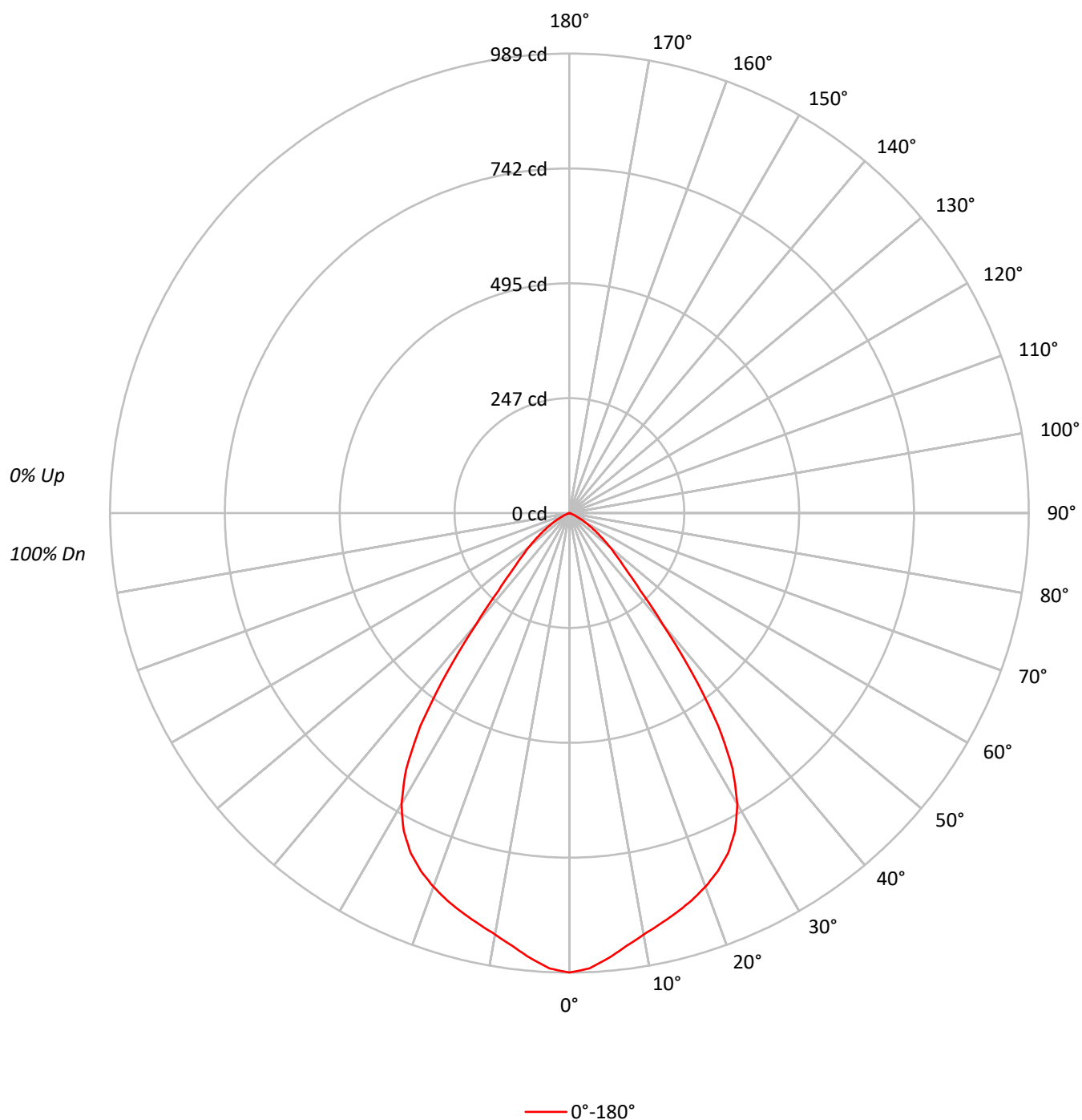
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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	104	110	108	105	103	103	101	100	100	98	97	96	95	94	92			
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86	84			
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70			
5	88	79	72	67	87	78	72	67	76	71	66	74	70	66	73	69	65	64			
6	83	73	66	61	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	65	59	56	63	59	55	54			
8	74	63	56	52	73	63	56	52	61	56	51	60	55	51	59	55	51	49			
9	70	59	52	48	69	58	52	48	57	52	48	57	51	47	56	51	47	46			
10	66	55	49	44	65	55	49	44	54	48	44	53	48	44	52	47	44	43			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	30494
5°	29772
10°	28838
15°	28422
20°	28087
25°	27485
30°	25744
35°	21021
40°	12547
45°	7536
50°	5431
55°	3699
60°	2319
65°	1138
70°	289
75°	107
80°	89
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	7.1
10°-20°	251.3	19.8
20°-30°	369.0	29.1
30°-40°	334.5	26.3
40°-50°	143.2	11.3
50°-60°	63.4	5.0
60°-70°	16.9	1.3
70°-80°	1.3	0.1
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°	710.7	56.0
0°-40°	1045.2	82.3
0°-60°	1251.7	98.6
0°-90°	1270.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1270.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	989	
5°	962	90
15°	890	251
25°	808	369
35°	558	334
45°	173	143
55°	69	63
65°	16	17
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	988.9
2.5°	981.1
5°	961.8
7.5°	939.8
10°	921.0
12.5°	905.4
15°	890.3
17.5°	874.3
20°	855.9
22.5°	834.4
25°	807.8
27.5°	772.0
30°	723.0
32.5°	654.2
35°	558.4
37.5°	432.8
40°	311.7
42.5°	225.1
45°	172.8
47.5°	139.4
50°	113.2
52.5°	89.9
55°	68.8
57.5°	51.3
60°	37.6
62.5°	26.1
65°	15.6
67.5°	6.9
70°	3.2
72.5°	1.8
75°	0.9
77.5°	0.5
80°	0.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)