

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: P245799

Luminaire Tested: **LD8B30D010 ER8B30950 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-16)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B30D010 ER8B30950 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 5000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2825.0 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

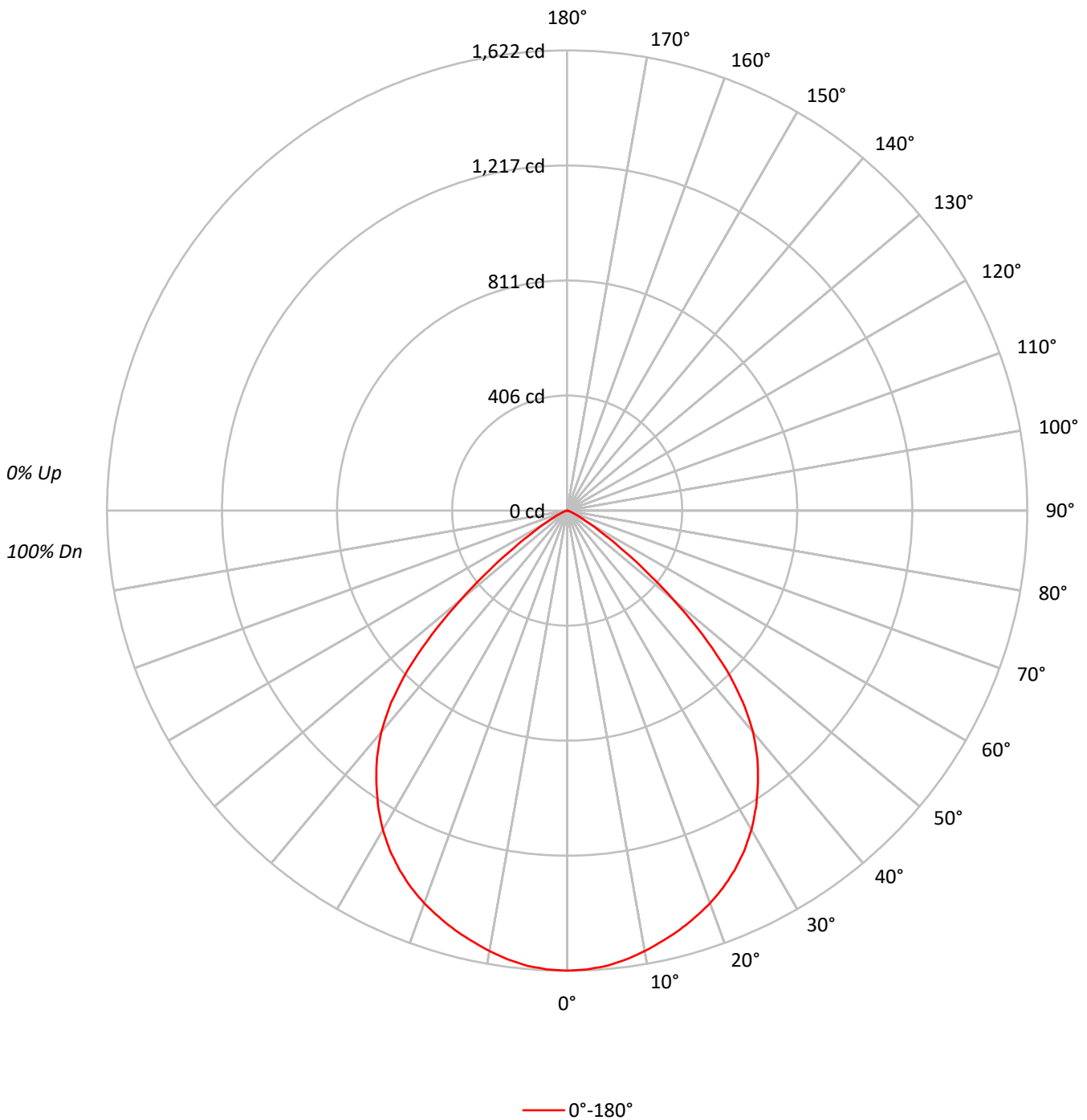
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	79	69	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	50001
5°	49852
10°	49360
15°	48853
20°	48340
25°	47549
30°	46250
35°	44142
40°	41043
45°	34652
50°	23526
55°	12290
60°	5514
65°	2692
70°	1082
75°	655
80°	497
85°	318



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.6	5.4
10°-20°	431.6	15.3
20°-30°	642.5	22.7
30°-40°	730.4	25.9
40°-50°	597.3	21.1
50°-60°	222.6	7.9
60°-70°	40.7	1.4
70°-80°	6.3	0.2
80°-90°	0.9	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°	1226.8	43.4
0°-40°	1957.2	69.3
0°-60°	2777.1	98.3
0°-90°	2825.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2825.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1622	
5°	1610	153
15°	1530	432
25°	1398	643
35°	1173	730
45°	795	597
55°	229	223
65°	37	41
75°	6	6
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1621.5
2.5°	1618.8
5°	1610.5
7.5°	1595.7
10°	1576.4
12.5°	1554.2
15°	1530.3
17.5°	1502.6
20°	1473.1
22.5°	1438.1
25°	1397.5
27.5°	1351.4
30°	1298.9
32.5°	1239.0
35°	1172.6
37.5°	1101.6
40°	1019.6
42.5°	918.2
45°	794.6
47.5°	646.2
50°	490.4
52.5°	345.7
55°	228.6
57.5°	143.8
60°	89.4
62.5°	57.2
65°	36.9
67.5°	21.2
70°	12.0
72.5°	7.4
75°	5.5
77.5°	3.7
80°	2.8
82.5°	0.9
85°	0.9
87.5°	0.0
90°	0.0

(END OF REPORT)