

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: P244929

Luminaire Tested: **LD8B30D010 ER8B30940 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244929
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-14)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B30D010 ER8B30940 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2962.0 lumens
Efficiency: N/A
Efficacy: 109.3 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

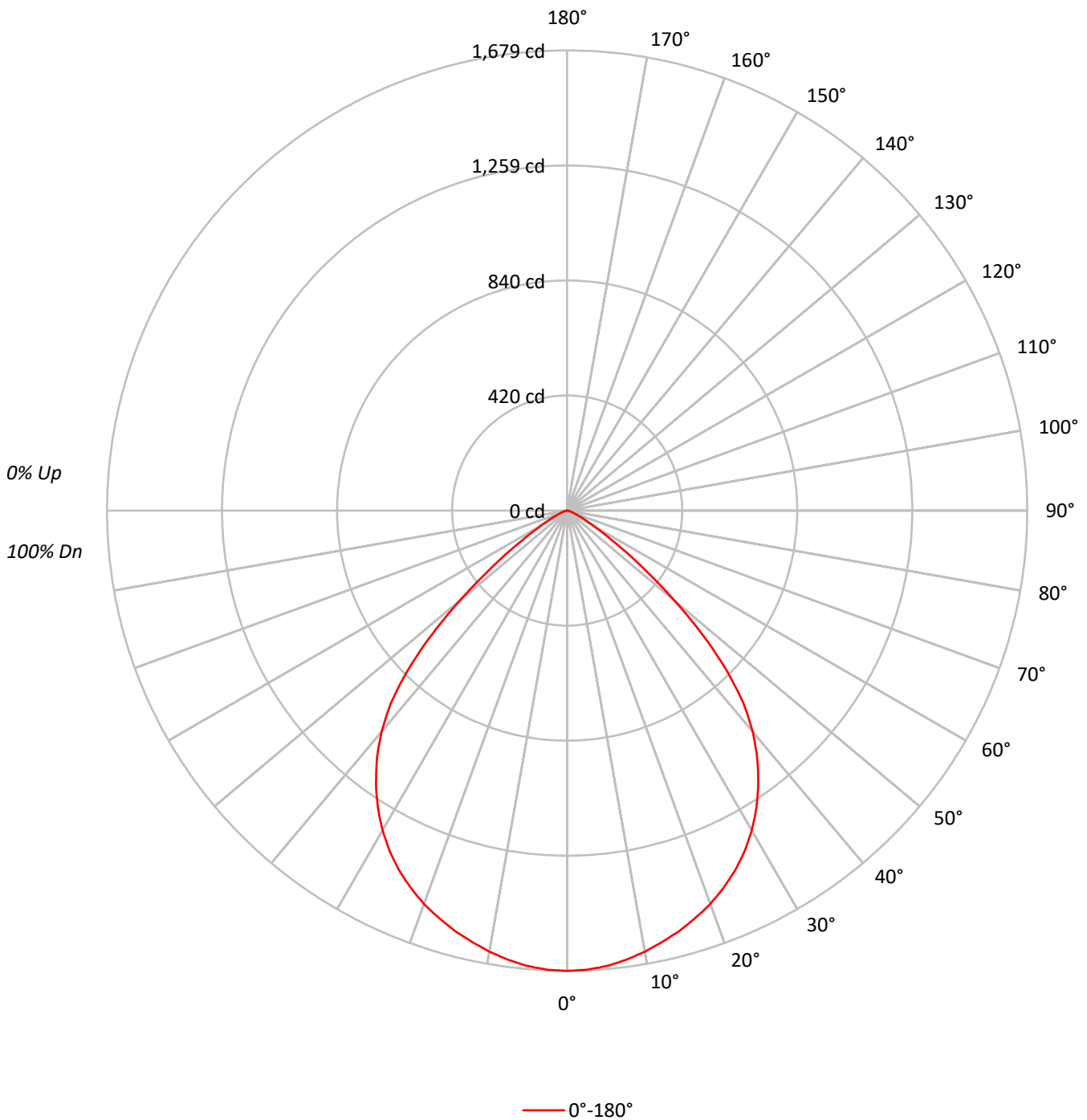
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	74	67	62	83	73	67	61	71	65	61	70	64	60	68	63	60	58
6	79	68	61	55	77	67	60	55	66	59	55	64	58	54	63	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	54	48	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	51787
5°	51625
10°	51164
15°	50657
20°	50112
25°	49318
30°	47966
35°	45779
40°	42428
45°	35821
50°	24576
55°	13553
60°	6815
65°	3838
70°	2092
75°	1489
80°	941
85°	637



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.1	5.3
10°-20°	447.5	15.1
20°-30°	666.2	22.5
30°-40°	756.8	25.6
40°-50°	618.6	20.9
50°-60°	242.4	8.2
60°-70°	56.5	1.9
70°-80°	13.6	0.5
80°-90°	2.2	0.1
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°	1271.8	42.9
0°-40°	2028.7	68.5
0°-60°	2889.7	97.6
0°-90°	2962.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2962.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1679	
5°	1668	158
15°	1587	448
25°	1450	666
35°	1216	757
45°	821	619
55°	252	242
65°	53	56
75°	12	14
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1679.4
2.5°	1676.7
5°	1667.8
7.5°	1652.7
10°	1634.0
12.5°	1610.8
15°	1586.8
17.5°	1558.2
20°	1527.1
22.5°	1490.5
25°	1449.5
27.5°	1401.4
30°	1347.1
32.5°	1285.6
35°	1216.1
37.5°	1139.5
40°	1054.0
42.5°	950.6
45°	821.4
47.5°	670.0
50°	512.3
52.5°	368.0
55°	252.1
57.5°	164.8
60°	110.5
62.5°	75.7
65°	52.6
67.5°	34.7
70°	23.2
72.5°	16.0
75°	12.5
77.5°	8.9
80°	5.3
82.5°	2.7
85°	1.8
87.5°	0.9
90°	0.0

(END OF REPORT)