

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: P244887

Luminaire Tested: **LD8B30D010 ER8B30830 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244887
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 ER8B30830 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3196.9 lumens
Efficiency: N/A
Efficacy: 118.0 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

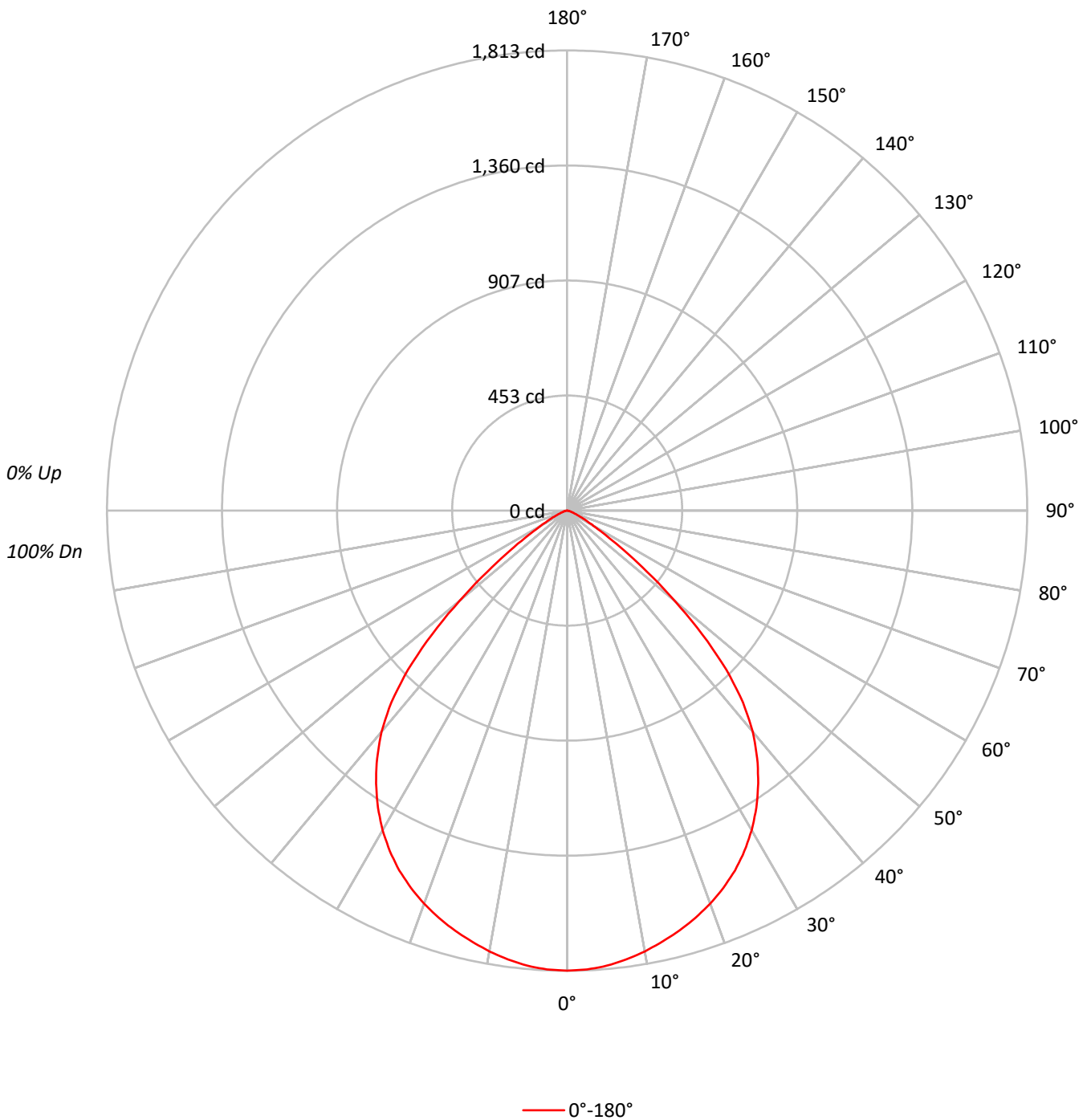
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				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°	55897
5°	55720
10°	55222
15°	54673
20°	54086
25°	53234
30°	51772
35°	49412
40°	45793
45°	38664
50°	26524
55°	14628
60°	7351
65°	4137
70°	2254
75°	1608
80°	1030
85°	672



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.6	5.3
10°-20°	483.0	15.1
20°-30°	719.1	22.5
30°-40°	816.9	25.6
40°-50°	667.7	20.9
50°-60°	261.6	8.2
60°-70°	61.0	1.9
70°-80°	14.7	0.5
80°-90°	2.4	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°	1372.8	42.9
0°-40°	2189.6	68.5
0°-60°	3118.9	97.6
0°-90°	3196.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3196.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1813	
5°	1800	171
15°	1713	483
25°	1565	719
35°	1313	817
45°	887	668
55°	272	262
65°	57	61
75°	14	15
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1812.7
2.5°	1809.8
5°	1800.1
7.5°	1783.8
10°	1763.6
12.5°	1738.6
15°	1712.6
17.5°	1681.9
20°	1648.2
22.5°	1608.8
25°	1564.6
27.5°	1512.6
30°	1454.0
32.5°	1387.6
35°	1312.6
37.5°	1229.9
40°	1137.6
42.5°	1026.0
45°	886.6
47.5°	723.1
50°	552.9
52.5°	397.1
55°	272.1
57.5°	177.9
60°	119.2
62.5°	81.7
65°	56.7
67.5°	37.5
70°	25.0
72.5°	17.3
75°	13.5
77.5°	9.6
80°	5.8
82.5°	2.9
85°	1.9
87.5°	1.0
90°	0.0

(END OF REPORT)