

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: P244383

Luminaire Tested: **LD8B30D010 ER8B30830 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244383
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27951)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B30D010 ER8B30830 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2932.0 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

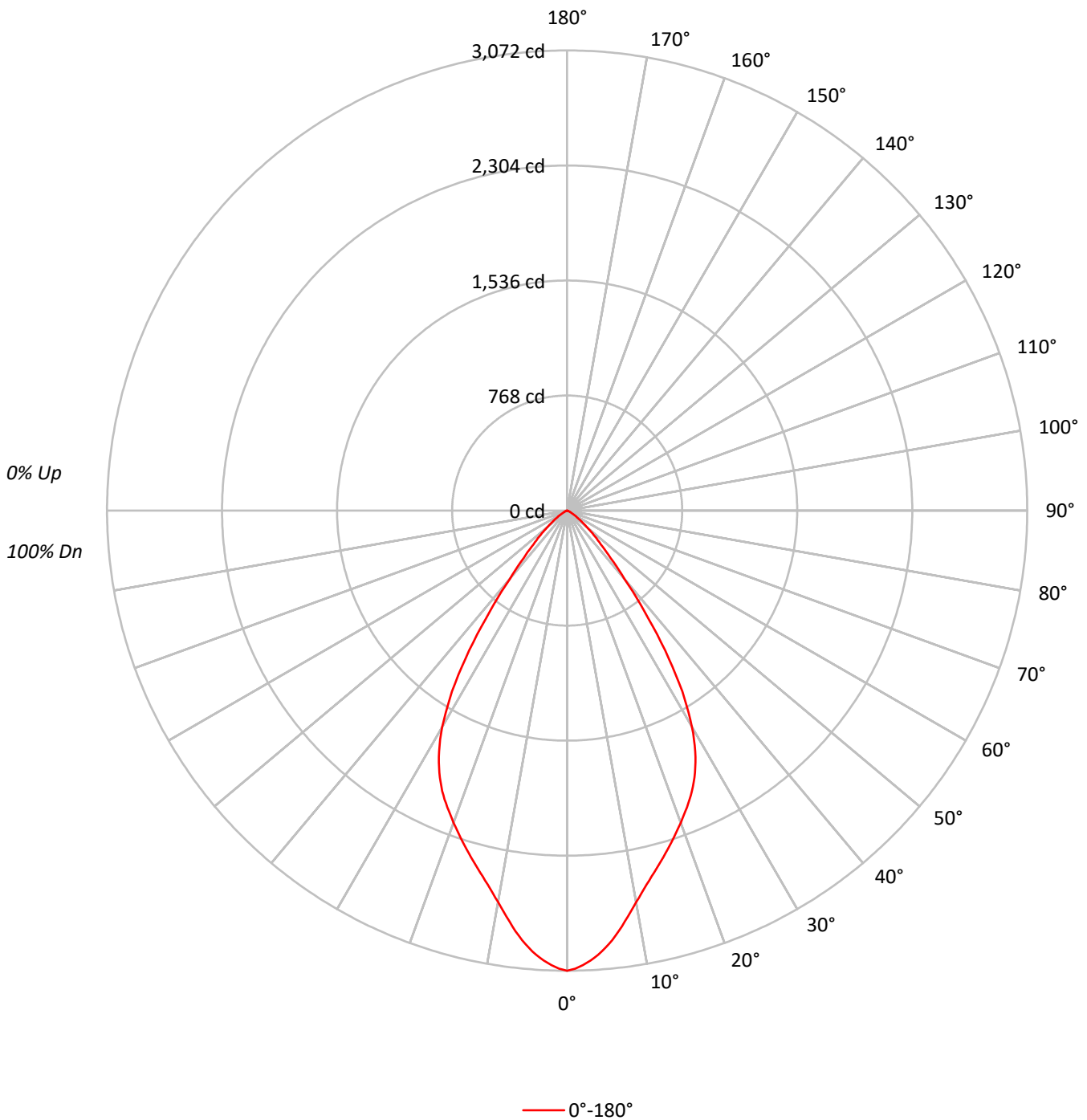
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244383

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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	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67
6	85	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50
10	69	59	53	49	68	58	53	49	58	52	48	57	52	48	56	51	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	94738
5°	90720
10°	83130
15°	77352
20°	72752
25°	68069
30°	59364
35°	42903
40°	24052
45°	13837
50°	8467
55°	4822
60°	2504
65°	1277
70°	694
75°	417
80°	249
85°	248



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.6	9.2
10°-20°	681.1	23.2
20°-30°	908.9	31.0
30°-40°	700.5	23.9
40°-50°	261.2	8.9
50°-60°	85.4	2.9
60°-70°	19.7	0.7
70°-80°	4.0	0.1
80°-90°	0.6	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°	1860.6	63.5
0°-40°	2561.1	87.4
0°-60°	2907.8	99.2
0°-90°	2932.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2932.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3072	
5°	2931	271
15°	2423	681
25°	2001	909
35°	1140	701
45°	317	261
55°	90	85
65°	18	20
75°	4	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3072.3
1°	3059.0
2°	3036.6
3°	3007.9
4°	2972.9
5°	2930.8
6°	2883.2
7°	2828.6
8°	2770.4
9°	2710.2
10°	2654.9
11°	2601.6
12°	2551.9
13°	2506.4
14°	2464.3
15°	2423.0
16°	2381.0
17°	2340.3
18°	2298.3
19°	2257.0
20°	2217.0
21°	2175.7
22°	2135.8
23°	2093.8
24°	2049.6
25°	2000.6
26°	1946.7
27°	1887.1
28°	1821.3
29°	1747.7
30°	1667.2
32.5°	1431.1
35°	1139.7
37.5°	844.1
40°	597.5
42.5°	428.0
45°	317.3
47.5°	238.9
50°	176.5
52.5°	126.1
55°	89.7
57.5°	61.6
60°	40.6
62.5°	26.6
65°	17.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	11.9
70°	7.7
72.5°	4.9
75°	3.5
77.5°	2.1
80°	1.4
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0

(END OF REPORT)