

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: P244377

Luminaire Tested: **LSR8B30D010 EC8B30827 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244377
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: LSR8B30D010 EC8B30827 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2860.0 lumens
Efficiency: N/A
Efficacy: 105.5 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

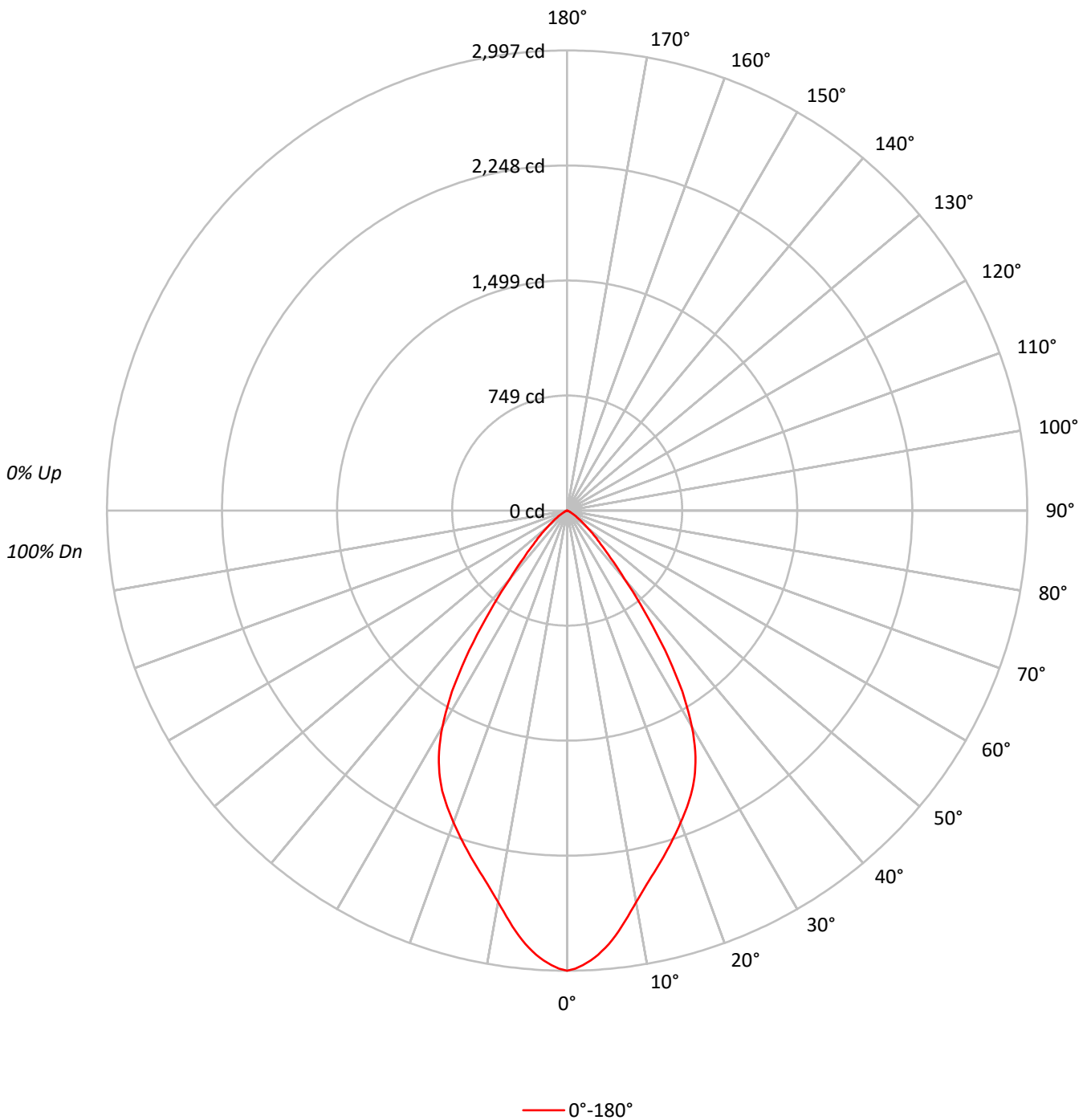
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	92413
5°	88495
10°	81089
15°	75453
20°	70966
25°	66398
30°	57904
35°	41849
40°	23460
45°	13497
50°	8261
55°	4704
60°	2442
65°	1248
70°	676
75°	405
80°	249
85°	248



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.0	9.2
10°-20°	664.4	23.2
20°-30°	886.5	31.0
30°-40°	683.3	23.9
40°-50°	254.8	8.9
50°-60°	83.3	2.9
60°-70°	19.2	0.7
70°-80°	3.9	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°	1814.9	63.5
0°-40°	2498.3	87.4
0°-60°	2836.4	99.2
0°-90°	2860.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2860.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2997	
5°	2859	264
15°	2364	664
25°	1952	887
35°	1112	683
45°	310	255
55°	88	83
65°	17	19
75°	3	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2996.9
1°	2983.9
2°	2962.1
3°	2934.0
4°	2899.9
5°	2858.9
6°	2812.4
7°	2759.1
8°	2702.4
9°	2643.6
10°	2589.7
11°	2537.7
12°	2489.2
13°	2444.8
14°	2403.8
15°	2363.5
16°	2322.5
17°	2282.9
18°	2241.9
19°	2201.6
20°	2162.6
21°	2122.3
22°	2083.3
23°	2042.3
24°	1999.3
25°	1951.5
26°	1898.9
27°	1840.8
28°	1776.5
29°	1704.8
30°	1626.2
32.5°	1396.0
35°	1111.7
37.5°	823.4
40°	582.8
42.5°	417.5
45°	309.5
47.5°	233.0
50°	172.2
52.5°	123.0
55°	87.5
57.5°	60.1
60°	39.6
62.5°	26.0
65°	17.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	11.6
70°	7.5
72.5°	4.8
75°	3.4
77.5°	2.0
80°	1.4
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0

(END OF REPORT)