

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: P244389

Luminaire Tested: **LSR8B30D010 EC8B30835 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244389
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 EC8B30835 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3049.0 lumens
Efficiency: N/A
Efficacy: 112.5 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

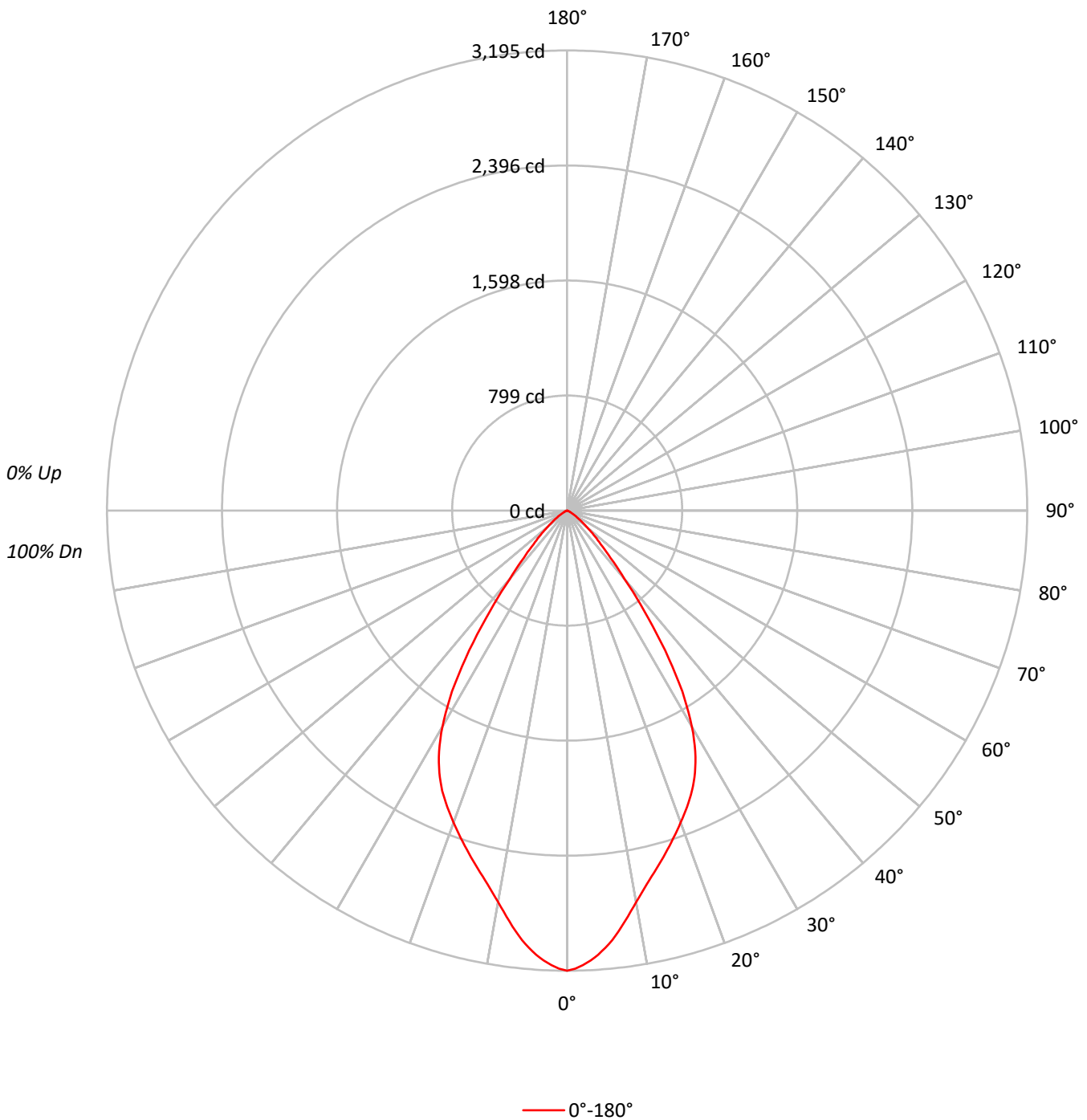
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	98519
5°	94342
10°	86446
15°	80439
20°	75656
25°	70784
30°	61731
35°	44616
40°	25014
45°	14391
50°	8808
55°	5011
60°	2603
65°	1328
70°	721
75°	429
80°	266
85°	248



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.4	9.2
10°-20°	708.3	23.2
20°-30°	945.1	31.0
30°-40°	728.5	23.9
40°-50°	271.6	8.9
50°-60°	88.8	2.9
60°-70°	20.5	0.7
70°-80°	4.1	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°	1934.8	63.5
0°-40°	2663.3	87.4
0°-60°	3023.8	99.2
0°-90°	3049.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3049.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3195	
5°	3048	281
15°	2520	708
25°	2080	945
35°	1185	729
45°	330	272
55°	93	89
65°	18	20
75°	4	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3194.9
1°	3181.1
2°	3157.8
3°	3127.9
4°	3091.5
5°	3047.8
6°	2998.3
7°	2941.4
8°	2881.0
9°	2818.3
10°	2760.8
11°	2705.4
12°	2653.7
13°	2606.4
14°	2562.7
15°	2519.7
16°	2476.0
17°	2433.7
18°	2390.0
19°	2347.0
20°	2305.5
21°	2262.5
22°	2221.0
23°	2177.3
24°	2131.4
25°	2080.4
26°	2024.3
27°	1962.4
28°	1893.9
29°	1817.5
30°	1733.7
32.5°	1488.2
35°	1185.2
37.5°	877.8
40°	621.4
42.5°	445.1
45°	330.0
47.5°	248.4
50°	183.6
52.5°	131.1
55°	93.2
57.5°	64.1
60°	42.2
62.5°	27.7
65°	18.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	12.4
70°	8.0
72.5°	5.1
75°	3.6
77.5°	2.2
80°	1.5
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0

(END OF REPORT)