

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: P246687

Luminaire Tested: **LSR8B30D010 EC8B30830 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246687
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201674)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B30D010 EC8B30830 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2981.0 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

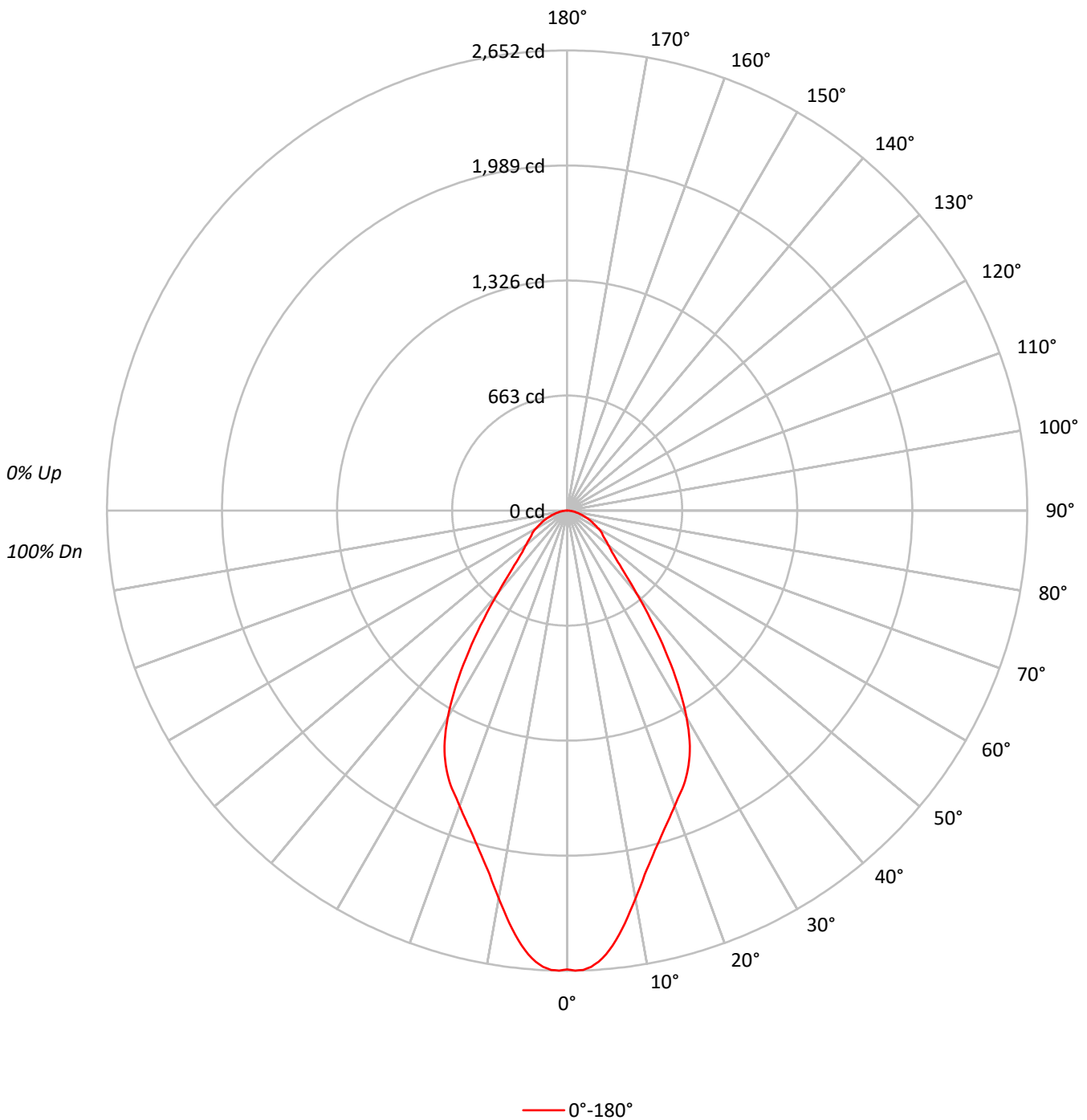
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68		76	71	67		74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44		54	48	44		53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41		50	45	41		50	45	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	81544
5°	79478
10°	71050
15°	63848
20°	59461
25°	56017
30°	48977
35°	37110
40°	24925
45°	17570
50°	14900
55°	13586
60°	12871
65°	11580
70°	10422
75°	9365
80°	8257
85°	7961



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.0	7.9
10°-20°	564.0	18.9
20°-30°	747.4	25.1
30°-40°	612.9	20.6
40°-50°	326.5	11.0
50°-60°	229.8	7.7
60°-70°	158.5	5.3
70°-80°	82.5	2.8
80°-90°	24.4	0.8
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°	1546.5	51.9
0°-40°	2159.3	72.4
0°-60°	2715.6	91.1
0°-90°	2981.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2981.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2644	
5°	2568	235
15°	2000	564
25°	1646	747
35°	986	613
45°	403	327
55°	253	230
65°	159	158
75°	79	83
85°	22	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2644.4
1°	2651.9
2°	2648.7
3°	2633.0
4°	2606.2
5°	2567.6
6°	2519.3
7°	2461.4
8°	2399.2
9°	2333.0
10°	2269.1
11°	2207.9
12°	2145.8
13°	2094.0
14°	2044.9
15°	2000.0
16°	1957.7
17°	1918.8
18°	1882.7
19°	1846.5
20°	1812.0
21°	1778.2
22°	1748.9
23°	1718.9
24°	1683.6
25°	1646.4
26°	1604.2
27°	1556.7
28°	1503.1
29°	1443.7
30°	1375.5
31°	1304.0
32°	1228.9
33°	1148.8
34°	1068.4
35°	985.8
37.5°	789.9
40°	619.2
42.5°	489.0
45°	402.9
47.5°	346.0
50°	310.6
52.5°	279.5
55°	252.7
57.5°	236.3



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CANDELA DISTRIBUTION (continued):

	0°
60°	208.7
62.5°	182.0
65°	158.7
67.5°	138.0
70°	115.6
72.5°	96.5
75°	78.6
77.5°	56.9
80°	46.5
82.5°	33.6
85°	22.5
87.5°	10.4
90°	0.0

(END OF REPORT)