

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: P246729

Luminaire Tested: **LSR8B30D010 EC8B30940 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246729
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 EC8B30940 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2760.9 lumens
Efficiency: N/A
Efficacy: 101.9 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

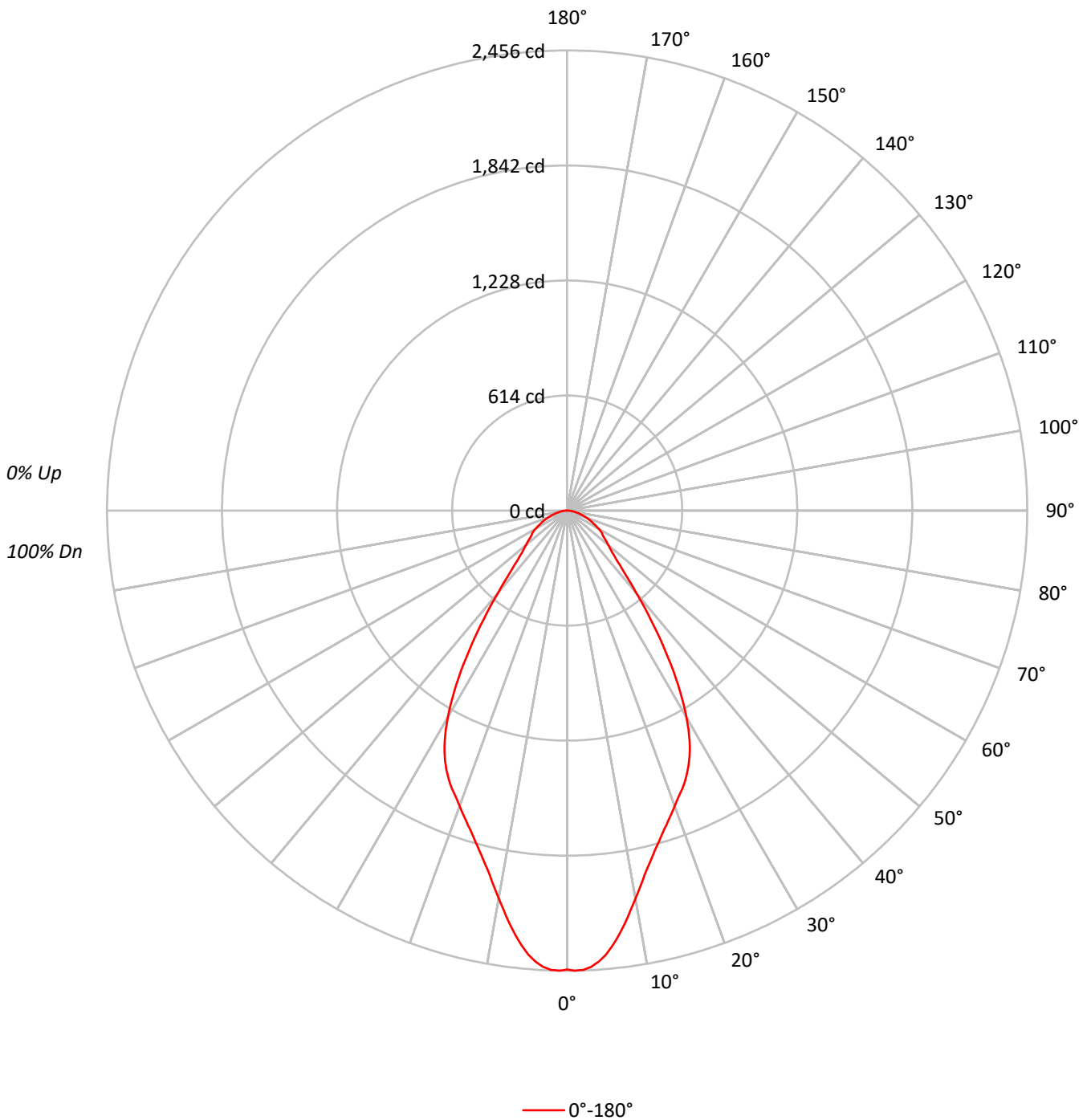
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	75527
5°	73612
10°	65805
15°	59136
20°	55071
25°	51883
30°	45363
35°	34373
40°	23086
45°	16271
50°	13797
55°	12580
60°	11921
65°	10726
70°	9647
75°	8674
80°	7636
85°	7359



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.7	7.9
10°-20°	522.4	18.9
20°-30°	692.3	25.1
30°-40°	567.7	20.6
40°-50°	302.4	11.0
50°-60°	212.8	7.7
60°-70°	146.8	5.3
70°-80°	76.4	2.8
80°-90°	22.6	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°	1432.3	51.9
0°-40°	2000.0	72.4
0°-60°	2515.2	91.1
0°-90°	2760.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2760.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2449	
5°	2378	218
15°	1852	522
25°	1525	692
35°	913	568
45°	373	302
55°	234	213
65°	147	147
75°	73	76
85°	21	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2449.3
1°	2456.2
2°	2453.2
3°	2438.7
4°	2413.8
5°	2378.1
6°	2333.4
7°	2279.7
8°	2222.1
9°	2160.9
10°	2101.6
11°	2045.0
12°	1987.4
13°	1939.4
14°	1893.9
15°	1852.4
16°	1813.3
17°	1777.2
18°	1743.7
19°	1710.3
20°	1678.2
21°	1647.0
22°	1619.8
23°	1592.0
24°	1559.3
25°	1524.9
26°	1485.8
27°	1441.8
28°	1392.2
29°	1337.1
30°	1274.0
31°	1207.7
32°	1138.2
33°	1064.0
34°	989.5
35°	913.1
37.5°	731.6
40°	573.5
42.5°	452.9
45°	373.1
47.5°	320.4
50°	287.6
52.5°	258.9
55°	234.0
57.5°	218.9



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CANDELA DISTRIBUTION (continued):

	0°
60°	193.3
62.5°	168.6
65°	147.0
67.5°	127.8
70°	107.0
72.5°	89.4
75°	72.8
77.5°	52.7
80°	43.0
82.5°	31.1
85°	20.8
87.5°	9.7
90°	0.0

(END OF REPORT)