

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: P246684

Luminaire Tested: **LSR8B10D010 EC8B10830 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246684
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: LSR8B10D010 EC8B10830 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: 1088.0 lumens
Efficiency: N/A
Efficacy: 106.7 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

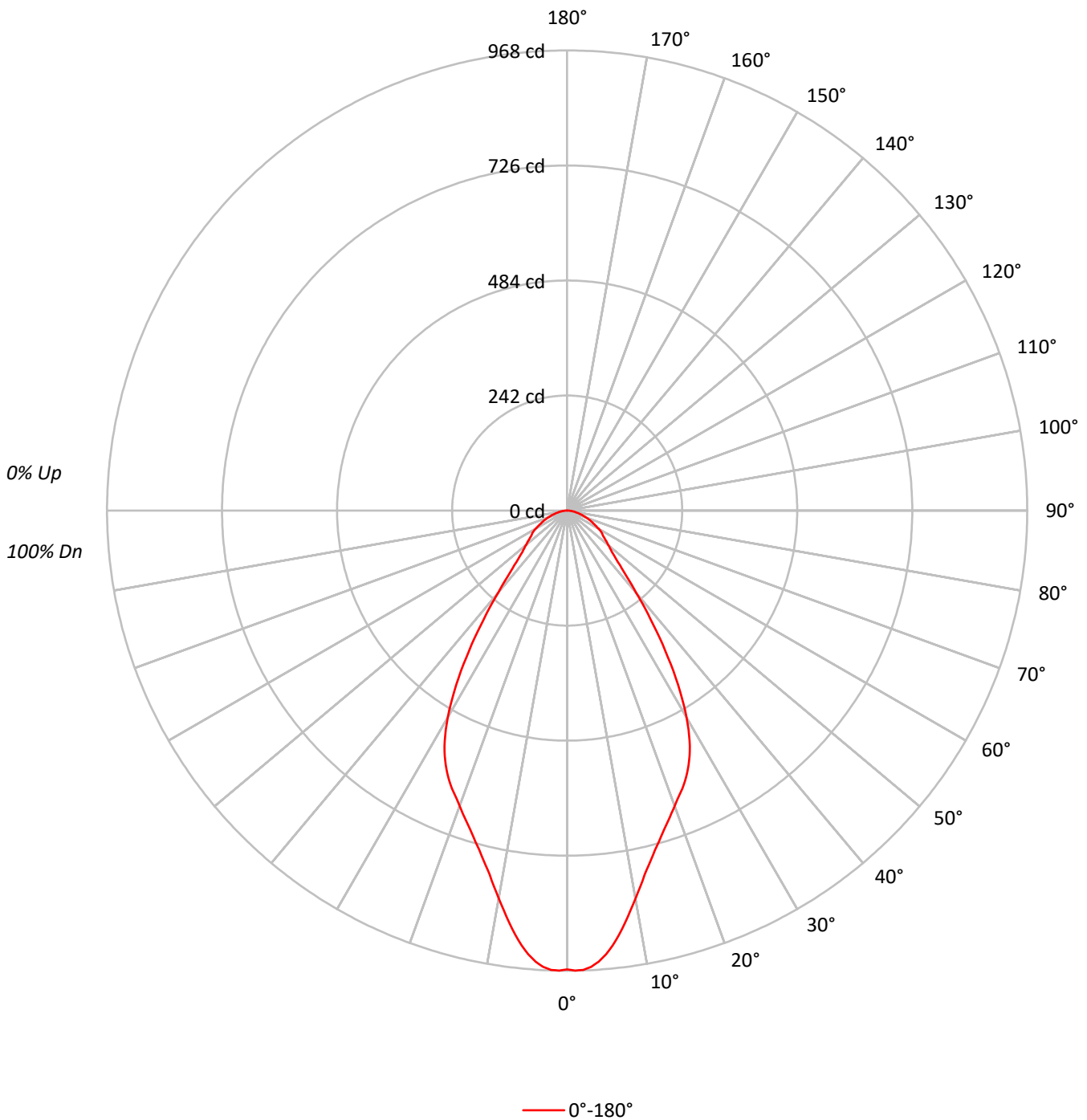
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	29763
5°	29007
10°	25933
15°	23305
20°	21701
25°	20445
30°	17875
35°	13544
40°	9097
45°	6411
50°	5440
55°	4957
60°	4699
65°	4225
70°	3805
75°	3419
80°	3019
85°	2901



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.8	7.9
10°-20°	205.9	18.9
20°-30°	272.8	25.1
30°-40°	223.7	20.6
40°-50°	119.2	11.0
50°-60°	83.9	7.7
60°-70°	57.8	5.3
70°-80°	30.1	2.8
80°-90°	8.9	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°	564.4	51.9
0°-40°	788.1	72.4
0°-60°	991.1	91.1
0°-90°	1088.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1088.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	965	
5°	937	86
15°	730	206
25°	601	273
35°	360	224
45°	147	119
55°	92	84
65°	58	58
75°	29	30
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	965.2
1°	967.9
2°	966.7
3°	961.0
4°	951.2
5°	937.1
6°	919.5
7°	898.3
8°	875.7
9°	851.5
10°	828.2
11°	805.9
12°	783.2
13°	764.3
14°	746.3
15°	730.0
16°	714.5
17°	700.3
18°	687.1
19°	674.0
20°	661.3
21°	649.0
22°	638.3
23°	627.3
24°	614.5
25°	600.9
26°	585.5
27°	568.2
28°	548.6
29°	526.9
30°	502.0
31°	475.9
32°	448.5
33°	419.3
34°	389.9
35°	359.8
37.5°	288.3
40°	226.0
42.5°	178.5
45°	147.0
47.5°	126.3
50°	113.4
52.5°	102.0
55°	92.2
57.5°	86.2



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CANDELA DISTRIBUTION (continued):

	0°
60°	76.2
62.5°	66.4
65°	57.9
67.5°	50.4
70°	42.2
72.5°	35.2
75°	28.7
77.5°	20.8
80°	17.0
82.5°	12.3
85°	8.2
87.5°	3.8
90°	0.0

(END OF REPORT)