

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: P246697

Luminaire Tested: **LSR8B15D010 EC8B15840 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246697
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: LSR8B15D010 EC8B15840 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1522.0 lumens
Efficiency: N/A
Efficacy: 105.7 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

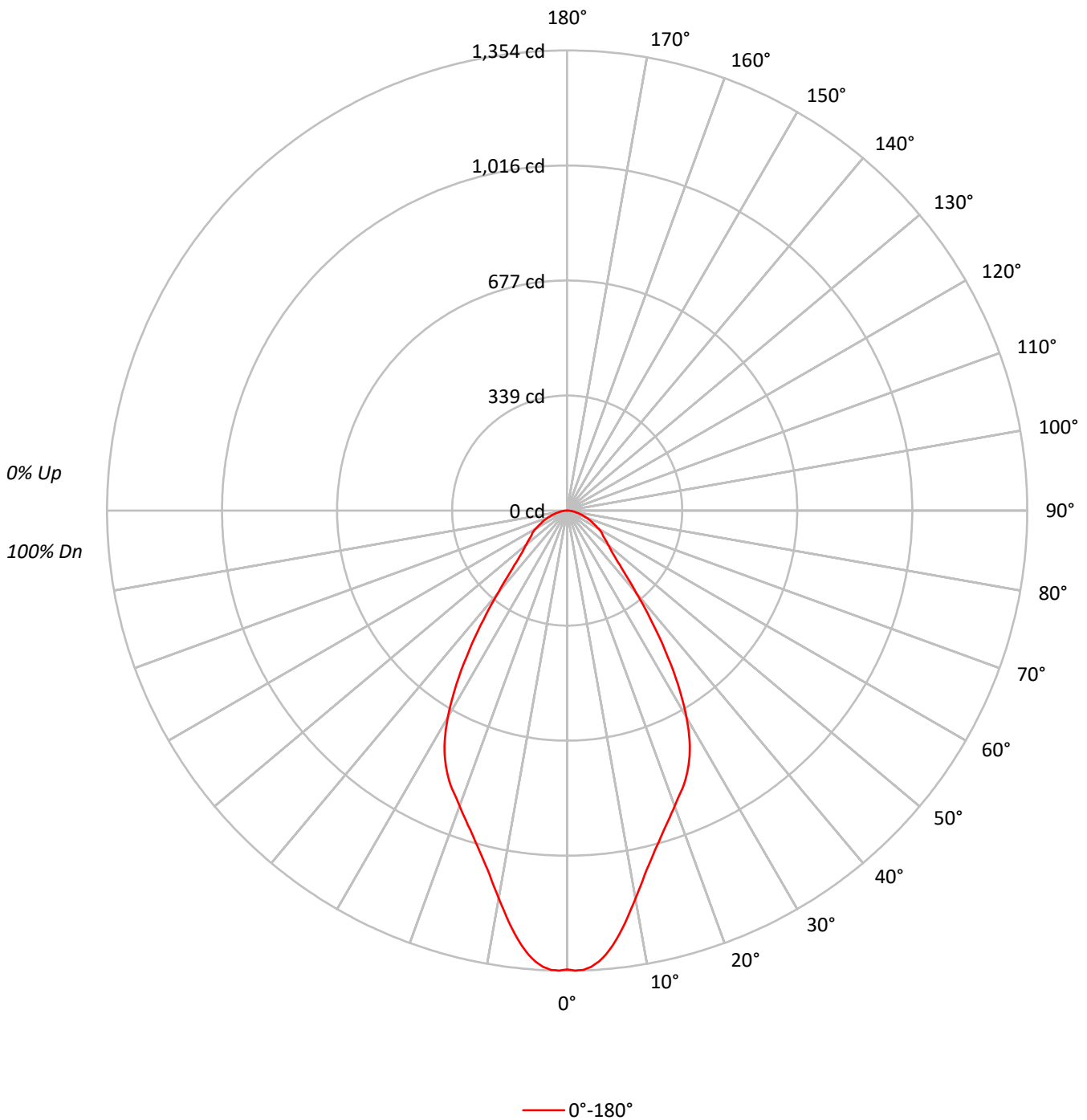
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	41632
5°	40578
10°	36275
15°	32598
20°	30357
25°	28601
30°	25007
35°	18946
40°	12724
45°	8970
50°	7608
55°	6935
60°	6574
65°	5910
70°	5319
75°	4790
80°	4209
85°	4069



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.0	7.9
10°-20°	288.0	18.9
20°-30°	381.6	25.1
30°-40°	312.9	20.6
40°-50°	166.7	11.0
50°-60°	117.3	7.7
60°-70°	80.9	5.3
70°-80°	42.1	2.8
80°-90°	12.5	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°	789.6	51.9
0°-40°	1102.5	72.4
0°-60°	1386.5	91.1
0°-90°	1522.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1522.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1350	
5°	1311	120
15°	1021	288
25°	841	382
35°	503	313
45°	206	167
55°	129	117
65°	81	81
75°	40	42
85°	12	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1350.1
1°	1354.0
2°	1352.3
3°	1344.3
4°	1330.6
5°	1310.9
6°	1286.3
7°	1256.7
8°	1225.0
9°	1191.2
10°	1158.5
11°	1127.3
12°	1095.6
13°	1069.1
14°	1044.0
15°	1021.1
16°	999.6
17°	979.7
18°	961.2
19°	942.8
20°	925.1
21°	907.9
22°	892.9
23°	877.6
24°	859.6
25°	840.6
26°	819.0
27°	794.8
28°	767.4
29°	737.1
30°	702.3
31°	665.8
32°	627.4
33°	586.6
34°	545.5
35°	503.3
37.5°	403.3
40°	316.1
42.5°	249.7
45°	205.7
47.5°	176.6
50°	158.6
52.5°	142.7
55°	129.0
57.5°	120.6



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CANDELA DISTRIBUTION (continued):

	0°
60°	106.6
62.5°	92.9
65°	81.0
67.5°	70.5
70°	59.0
72.5°	49.3
75°	40.2
77.5°	29.0
80°	23.7
82.5°	17.2
85°	11.5
87.5°	5.3
90°	0.0

(END OF REPORT)