

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: P244423

Luminaire Tested: **LSR8B15D010 EC8B15940 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244423
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: LSR8B15D010 EC8B15940 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1337.0 lumens
Efficiency: N/A
Efficacy: 92.8 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

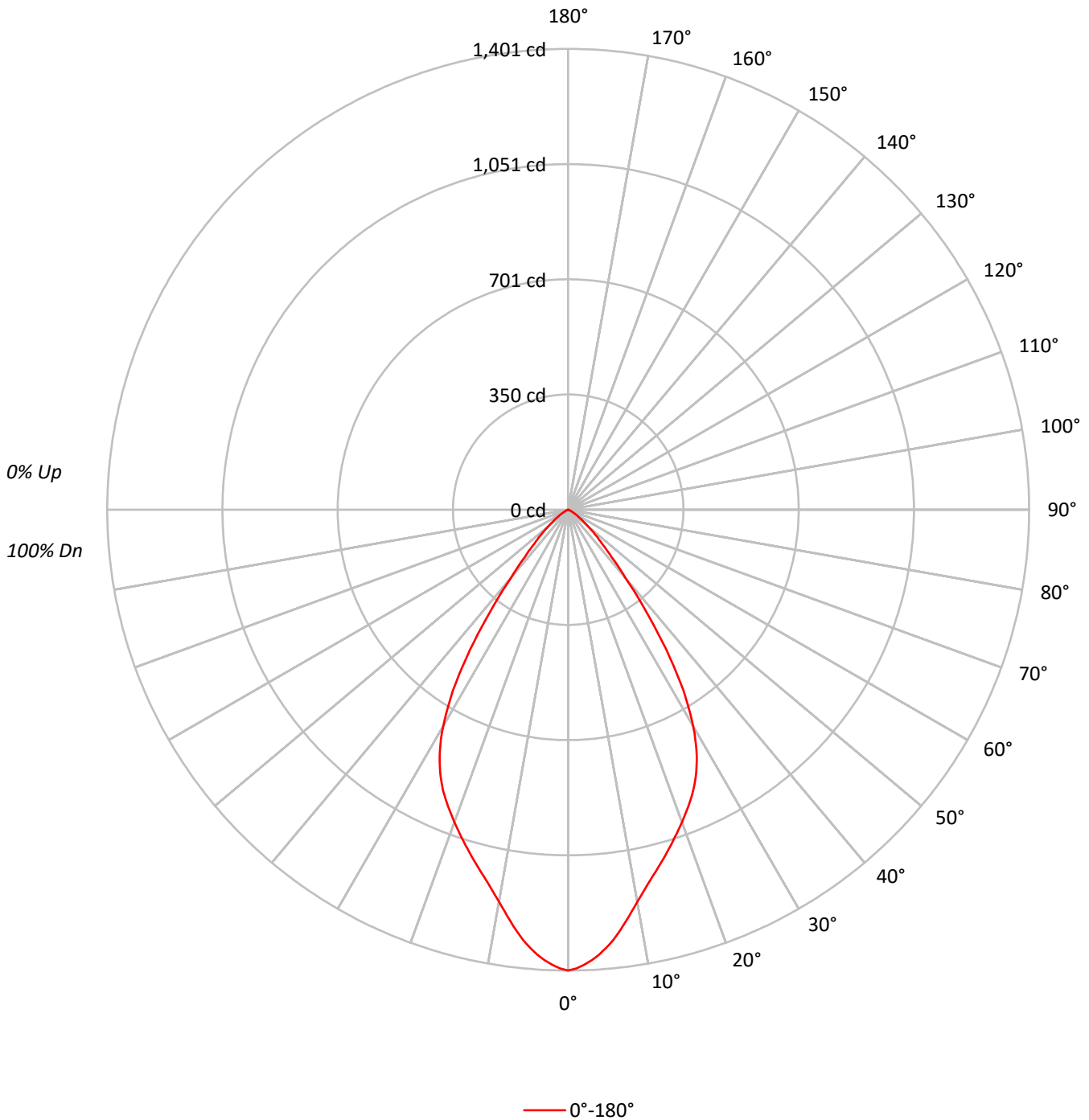
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	43202
5°	41370
10°	37906
15°	35273
20°	33176
25°	31040
30°	27068
35°	19564
40°	10969
45°	6310
50°	3862
55°	2199
60°	1141
65°	584
70°	316
75°	191
80°	107
85°	106



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.4	9.2
10°-20°	310.6	23.2
20°-30°	414.4	31.0
30°-40°	319.4	23.9
40°-50°	119.1	8.9
50°-60°	39.0	2.9
60°-70°	9.0	0.7
70°-80°	1.8	0.1
80°-90°	0.2	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°	848.4	63.5
0°-40°	1167.9	87.4
0°-60°	1325.9	99.2
0°-90°	1337.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1337.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1401	
5°	1336	123
15°	1105	311
25°	912	414
35°	520	319
45°	145	119
55°	41	39
65°	8	9
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1401.0
1°	1394.9
2°	1384.7
3°	1371.6
4°	1355.6
5°	1336.5
6°	1314.8
7°	1289.8
8°	1263.3
9°	1235.9
10°	1210.6
11°	1186.3
12°	1163.7
13°	1142.9
14°	1123.7
15°	1104.9
16°	1085.7
17°	1067.2
18°	1048.0
19°	1029.2
20°	1011.0
21°	992.1
22°	973.9
23°	954.8
24°	934.6
25°	912.3
26°	887.7
27°	860.5
28°	830.5
29°	797.0
30°	760.2
32.5°	652.6
35°	519.7
37.5°	384.9
40°	272.5
42.5°	195.2
45°	144.7
47.5°	108.9
50°	80.5
52.5°	57.5
55°	40.9
57.5°	28.1
60°	18.5
62.5°	12.1
65°	8.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.4
70°	3.5
72.5°	2.2
75°	1.6
77.5°	1.0
80°	0.6
82.5°	0.3
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)