

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: P244399

Luminaire Tested: **LSR8B15D010 EC8B15850 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244399
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 EC8B15850 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1521.0 lumens
Efficiency: N/A
Efficacy: 105.6 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

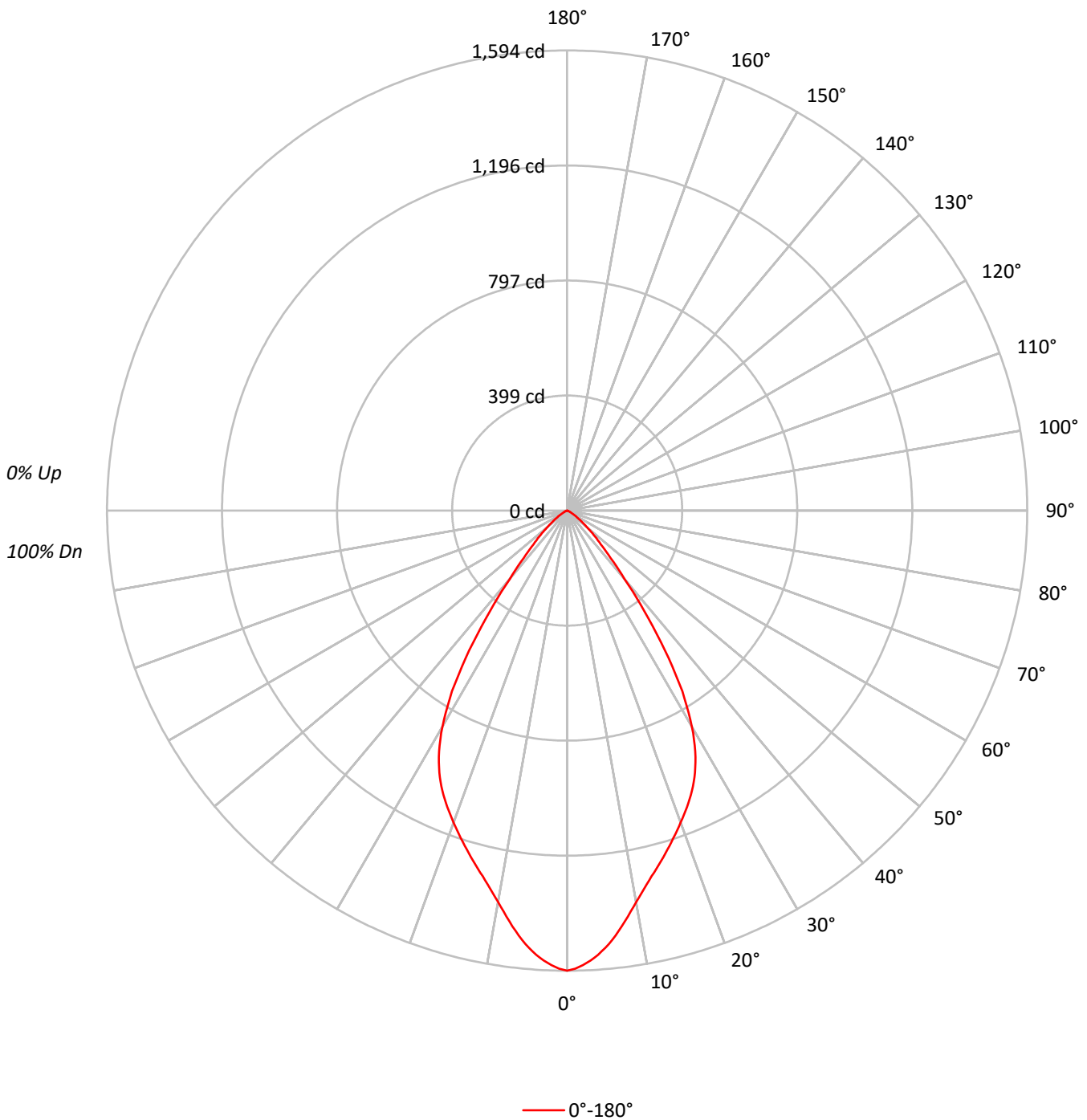
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	49147
5°	47063
10°	43123
15°	40125
20°	37741
25°	35310
30°	30796
35°	22255
40°	12479
45°	7178
50°	4394
55°	2500
60°	1301
65°	664
70°	361
75°	214
80°	124
85°	142



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.4	9.2
10°-20°	353.3	23.2
20°-30°	471.5	31.0
30°-40°	363.4	23.9
40°-50°	135.5	8.9
50°-60°	44.3	2.9
60°-70°	10.2	0.7
70°-80°	2.0	0.1
80°-90°	0.3	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°	965.2	63.5
0°-40°	1328.6	87.4
0°-60°	1508.4	99.2
0°-90°	1521.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1521.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1594	
5°	1520	140
15°	1257	353
25°	1038	471
35°	591	363
45°	165	135
55°	46	44
65°	9	10
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1593.8
1°	1586.9
2°	1575.3
3°	1560.4
4°	1542.2
5°	1520.4
6°	1495.7
7°	1467.3
8°	1437.2
9°	1405.9
10°	1377.2
11°	1349.6
12°	1323.8
13°	1300.2
14°	1278.4
15°	1256.9
16°	1235.1
17°	1214.1
18°	1192.3
19°	1170.8
20°	1150.1
21°	1128.7
22°	1108.0
23°	1086.2
24°	1063.3
25°	1037.8
26°	1009.8
27°	979.0
28°	944.8
29°	906.6
30°	864.9
32.5°	742.4
35°	591.2
37.5°	437.9
40°	310.0
42.5°	222.0
45°	164.6
47.5°	123.9
50°	91.6
52.5°	65.4
55°	46.5
57.5°	32.0
60°	21.1
62.5°	13.8
65°	9.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	6.2
70°	4.0
72.5°	2.5
75°	1.8
77.5°	1.1
80°	0.7
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)