

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: P246745

Luminaire Tested: **LSR8B15D010 EC8B15930 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246745
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 EC8B15930 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1265.6 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

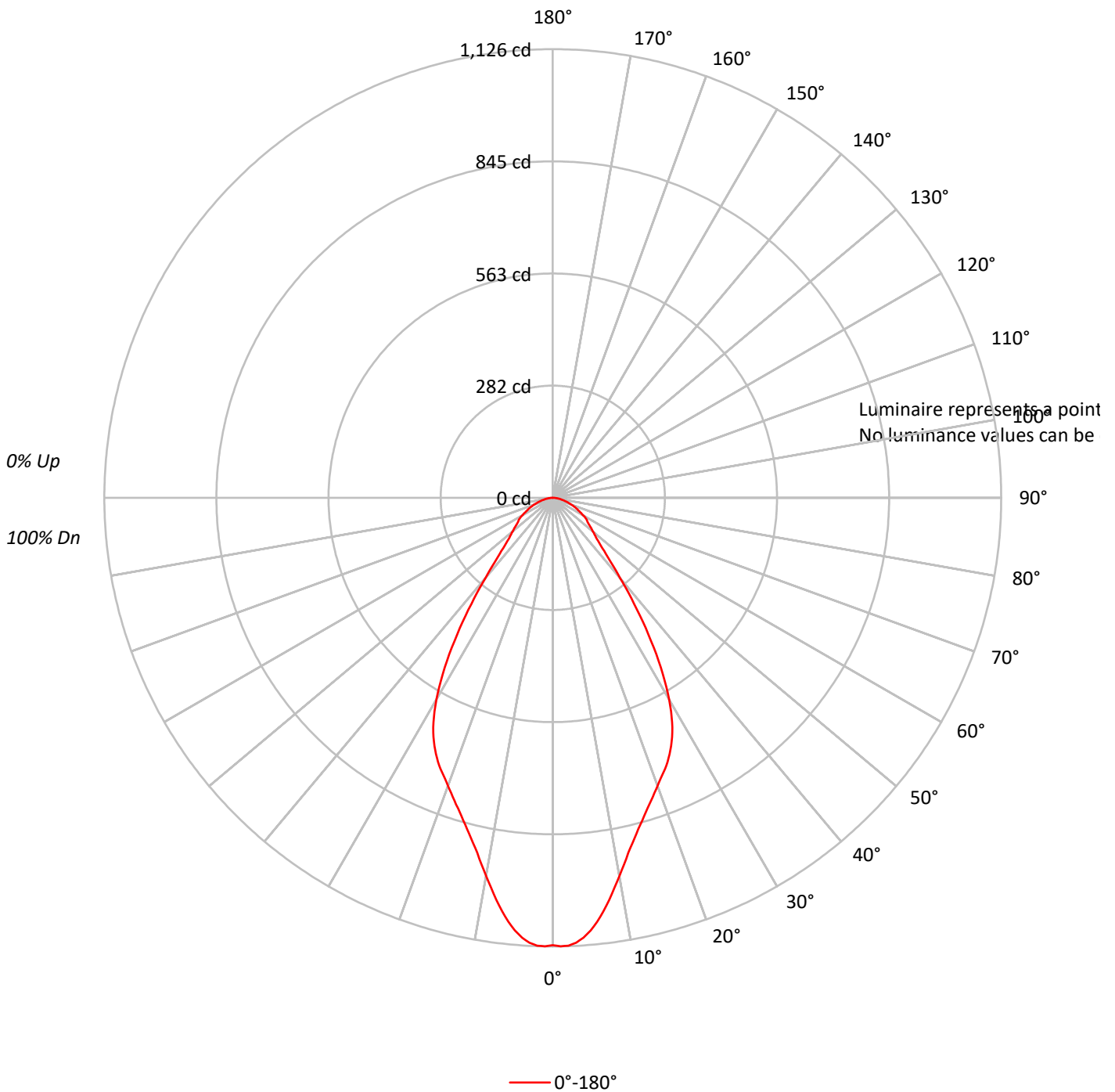
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.8	7.9
10°-20°	239.5	18.9
20°-30°	317.3	25.1
30°-40°	260.2	20.6
40°-50°	138.6	11.0
50°-60°	97.6	7.7
60°-70°	67.3	5.3
70°-80°	35.0	2.8
80°-90°	10.4	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°	656.6	51.9
0°-40°	916.8	72.4
0°-60°	1153.0	91.1
0°-90°	1265.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1265.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1123	
5°	1090	100
15°	849	239
25°	699	317
35°	419	260
45°	171	139
55°	107	98
65°	67	67
75°	33	35
85°	10	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1122.7
1°	1125.9
2°	1124.5
3°	1117.9
4°	1106.4
5°	1090.1
6°	1069.5
7°	1045.0
8°	1018.7
9°	990.5
10°	963.4
11°	937.4
12°	911.0
13°	889.1
14°	868.2
15°	849.2
16°	831.2
17°	814.6
18°	799.3
19°	783.9
20°	769.2
21°	755.0
22°	742.6
23°	729.8
24°	714.7
25°	698.9
26°	681.1
27°	660.9
28°	638.2
29°	613.0
30°	583.9
31°	553.7
32°	521.7
33°	487.7
34°	453.6
35°	418.6
37.5°	335.4
40°	262.9
42.5°	207.6
45°	171.1
47.5°	146.9
50°	131.8
52.5°	118.7
55°	107.3
57.5°	100.3



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CANDELA DISTRIBUTION (continued):

	0°
60°	88.7
62.5°	77.2
65°	67.4
67.5°	58.6
70°	49.1
72.5°	40.9
75°	33.4
77.5°	24.1
80°	19.7
82.5°	14.2
85°	9.5
87.5°	4.5
90°	0.0

(END OF REPORT)