

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: P250789

Luminaire Tested: **LSR8B150D010 EC8B150930 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250789
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13935)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B150D010 EC8B150930 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: 13279.5 lumens
Efficiency: N/A
Efficacy: 83.8 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

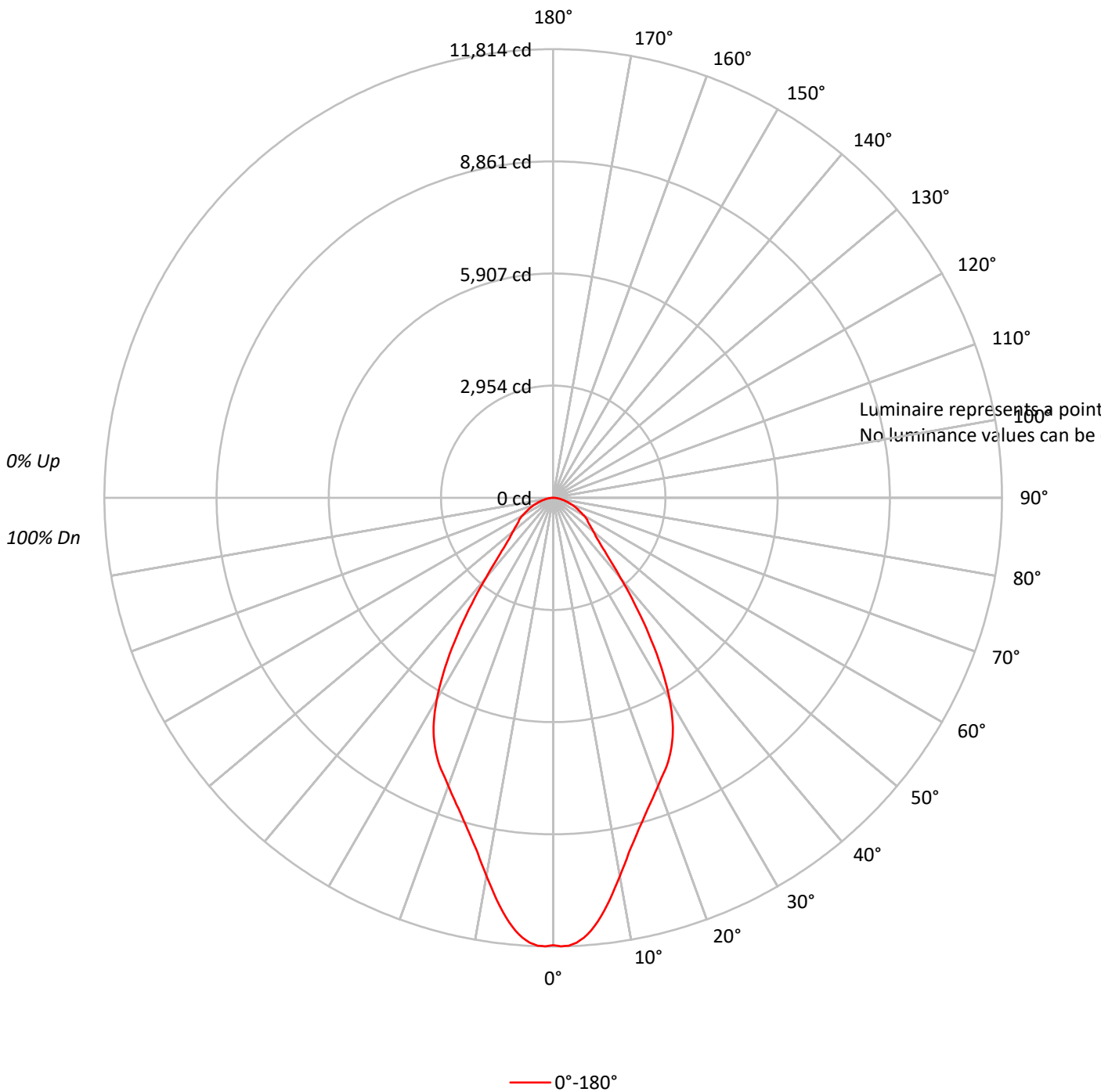
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1046.9	7.9
10°-20°	2512.6	18.9
20°-30°	3329.7	25.1
30°-40°	2730.4	20.6
40°-50°	1454.2	11.0
50°-60°	1023.5	7.7
60°-70°	705.8	5.3
70°-80°	367.6	2.8
80°-90°	108.7	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°	6889.2	51.9
0°-40°	9619.6	72.4
0°-60°	12097.3	91.1
0°-90°	13279.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13279.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11780	
5°	11438	###
15°	8910	2513
25°	7334	3330
35°	4391	2730
45°	1794	1454
55°	1126	1024
65°	707	706
75°	350	368
85°	100	109
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11779.5
1°	11814.1
2°	11798.6
3°	11729.5
4°	11610.4
5°	11437.5
6°	11222.4
7°	10964.9
8°	10688.3
9°	10392.5
10°	10108.3
11°	9835.4
12°	9558.8
13°	9328.3
14°	9109.4
15°	8909.6
16°	8721.3
17°	8548.4
18°	8387.0
19°	8225.7
20°	8072.0
21°	7922.1
22°	7791.5
23°	7657.0
24°	7499.6
25°	7334.3
26°	7146.0
27°	6934.7
28°	6696.5
29°	6431.4
30°	6127.9
31°	5809.0
32°	5474.9
33°	5117.5
34°	4760.2
35°	4391.3
37.5°	3519.3
40°	2758.6
42.5°	2178.4
45°	1794.2
47.5°	1540.7
50°	1383.1
52.5°	1244.9
55°	1125.7
57.5°	1052.7



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CANDELA DISTRIBUTION (continued):

	0°
60°	929.8
62.5°	810.6
65°	706.9
67.5°	614.8
70°	514.8
72.5°	430.2
75°	349.6
77.5°	253.6
80°	207.5
82.5°	149.9
85°	99.9
87.5°	46.1
90°	0.0

(END OF REPORT)