

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: P250607

Luminaire Tested: **LSR8B150D010 EC8B150950 8LBM0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250607
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13928)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B150D010 EC8B150950 8LBM0B
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9429.1 lumens
Efficiency: N/A
Efficacy: 59.5 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.87
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

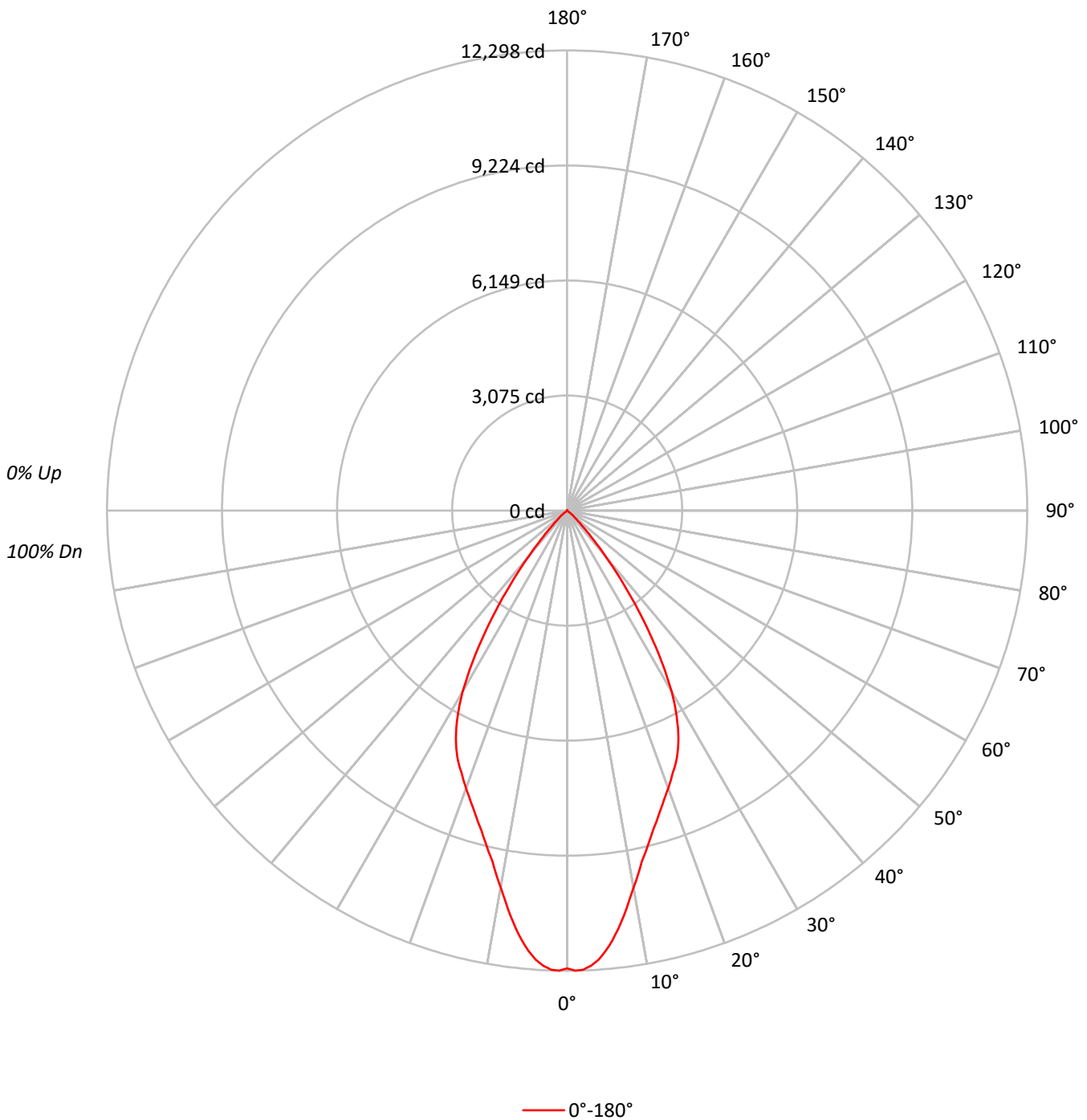
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71
6	88	79	74	69	87	79	73	69	77	72	69	76	71	68	74	71	68	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	70	66	63	62
8	80	70	64	60	79	70	64	60	69	64	60	68	63	60	67	63	60	58
9	76	66	61	57	75	66	60	57	65	60	56	64	60	56	63	59	56	55
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	377264
5°	365729
10°	320306
15°	282784
20°	259126
25°	238597
30°	198589
35°	131905
40°	64197
45°	23252
50°	6994
55°	489
60°	0
65°	336
70°	0
75°	0
80°	817
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1074.6	11.4
10°-20°	2495.6	26.5
20°-30°	3166.1	33.6
30°-40°	2169.0	23.0
40°-50°	494.3	5.2
50°-60°	24.6	0.3
60°-70°	1.1	0.0
70°-80°	1.8	0.0
80°-90°	1.9	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°	6736.3	71.4
0°-40°	8905.3	94.4
0°-60°	9424.2	99.9
0°-90°	9429.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9429.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12234	
5°	11815	###
15°	8858	2496
25°	7013	3166
35°	3504	2169
45°	533	494
55°	9	25
65°	5	1
75°	0	2
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12234.4
1°	12298.2
2°	12275.4
3°	12184.3
4°	12029.3
5°	11815.2
6°	11555.5
7°	11254.8
8°	10922.1
9°	10566.6
10°	10229.5
11°	9919.7
12°	9587.1
13°	9345.6
14°	9090.4
15°	8858.0
16°	8648.4
17°	8443.3
18°	8252.0
19°	8065.1
20°	7896.5
21°	7723.4
22°	7545.7
23°	7390.8
24°	7217.6
25°	7012.6
26°	6784.7
27°	6520.5
28°	6238.0
29°	5923.6
30°	5577.3
31°	5185.4
32°	4779.9
33°	4356.1
34°	3923.2
35°	3504.0
37.5°	2474.2
40°	1594.8
42.5°	938.7
45°	533.2
47.5°	287.1
50°	145.8
52.5°	27.3
55°	9.1
57.5°	4.6



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CANDELA DISTRIBUTION (continued):

	0°
60°	0.0
62.5°	0.0
65°	4.6
67.5°	0.0
70°	0.0
72.5°	4.6
75°	0.0
77.5°	0.0
80°	4.6
82.5°	0.0
85°	0.0
87.5°	4.6
90°	0.0

(END OF REPORT)