

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: P248030

Luminaire Tested: **LSR8B150D010 EC8B150850 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248030
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13941)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B150D010 EC8B150850 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15556.0 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

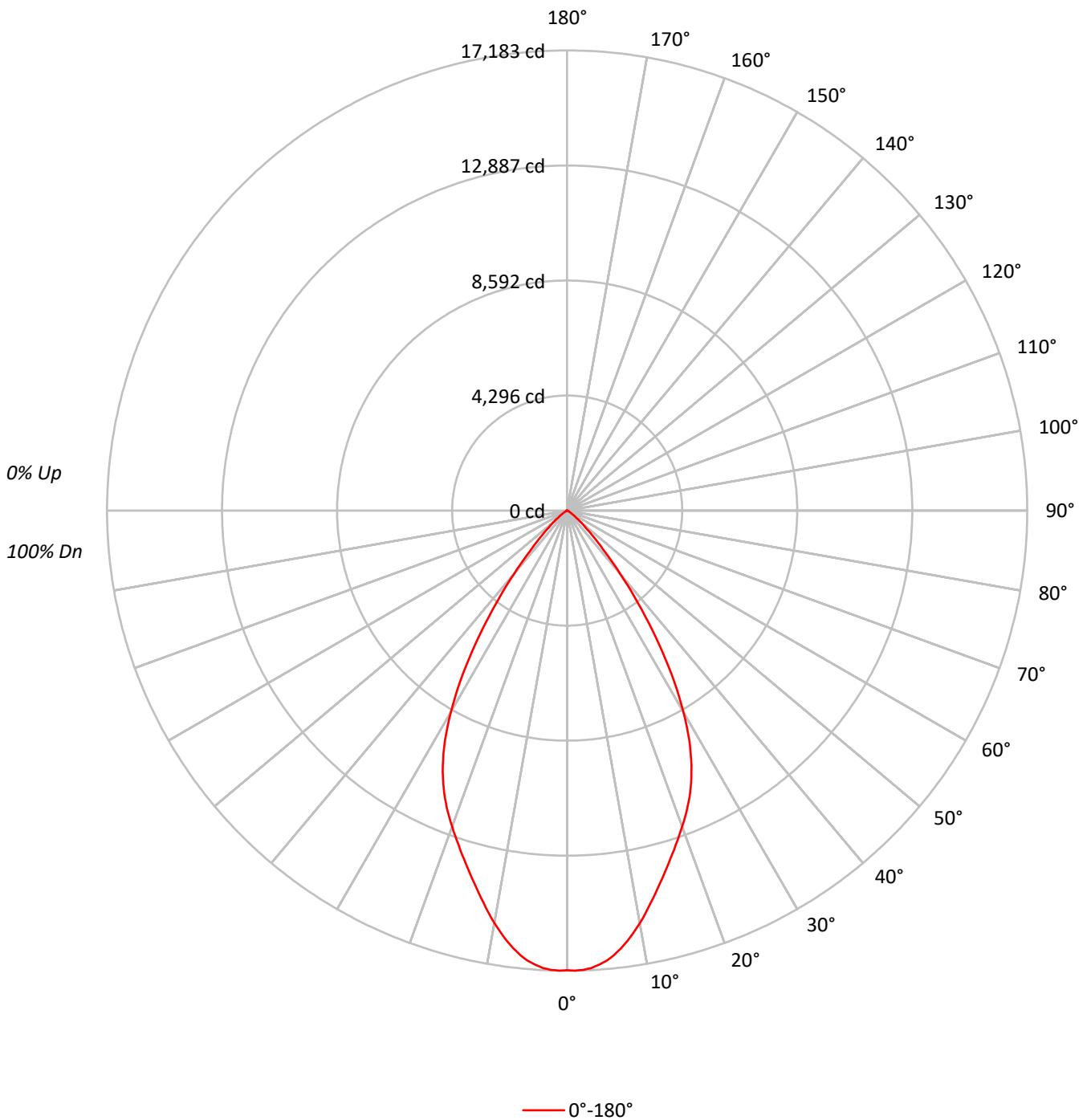
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	82	78	86	81	77	84	80	77	82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72	79	74	71	77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	529123
5°	522313
10°	489645
15°	447764
20°	412206
25°	373523
30°	309298
35°	216921
40°	123447
45°	60543
50°	29882
55°	13548
60°	6451
65°	3473
70°	433
75°	572
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1570.3	10.1
10°-20°	3937.3	25.3
20°-30°	4970.3	32.0
30°-40°	3575.5	23.0
40°-50°	1183.4	7.6
50°-60°	257.7	1.7
60°-70°	53.2	0.3
70°-80°	5.7	0.0
80°-90°	2.6	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°	10477.9	67.4
0°-40°	14053.4	90.3
0°-60°	15494.6	99.6
0°-90°	15556.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15556.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17159	
5°	16874	###
15°	14026	3937
25°	10978	4970
35°	5762	3576
45°	1388	1183
55°	252	258
65°	48	53
75°	5	6
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17159.1
1°	17182.9
2°	17163.8
3°	17106.8
4°	17002.2
5°	16873.8
6°	16697.9
7°	16469.7
8°	16217.6
9°	15941.9
10°	15637.6
11°	15328.6
12°	14991.0
13°	14667.7
14°	14339.6
15°	14025.9
16°	13716.8
17°	13422.0
18°	13127.3
19°	12846.7
20°	12561.4
21°	12271.4
22°	11986.2
23°	11677.1
24°	11344.3
25°	10978.2
26°	10593.0
27°	10165.2
28°	9713.5
29°	9209.5
30°	8686.5
31°	8135.0
32°	7554.9
33°	6946.4
34°	6352.0
35°	5762.4
37.5°	4326.6
40°	3066.7
42.5°	2077.8
45°	1388.3
47.5°	931.8
50°	622.9
52.5°	375.6
55°	252.0
57.5°	175.9



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CANDELA DISTRIBUTION (continued):

	0°
60°	104.6
62.5°	71.3
65°	47.6
67.5°	42.8
70°	4.8
72.5°	9.5
75°	4.8
77.5°	4.8
80°	0.0
82.5°	9.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)