

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: P248024

Luminaire Tested: **LSR8B150D010 EC8B150835 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248024
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 EC8B150835 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15358.0 lumens
Efficiency: N/A
Efficacy: 96.9 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

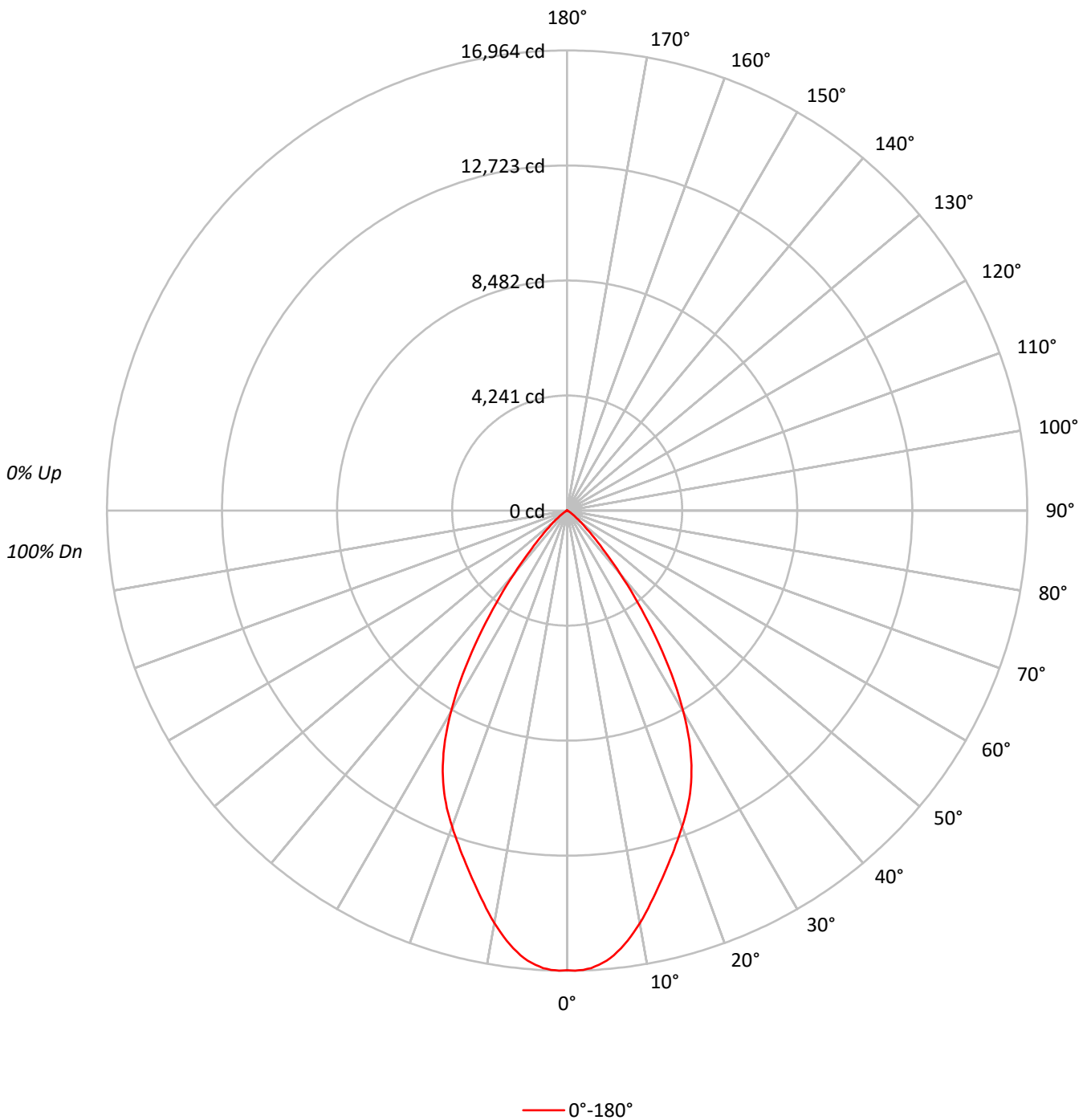
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	522389
5°	515664
10°	483411
15°	442063
20°	406962
25°	368770
30°	305363
35°	214162
40°	121877
45°	59775
50°	29498
55°	13376
60°	6371
65°	3429
70°	424
75°	560
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1550.3	10.1
10°-20°	3887.2	25.3
20°-30°	4907.1	32.0
30°-40°	3530.0	23.0
40°-50°	1168.3	7.6
50°-60°	254.5	1.7
60°-70°	52.5	0.3
70°-80°	5.6	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°	10344.5	67.4
0°-40°	13874.6	90.3
0°-60°	15297.4	99.6
0°-90°	15358.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15358.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16941	
5°	16659	###
15°	13847	3887
25°	10838	4907
35°	5689	3530
45°	1371	1168
55°	249	254
65°	47	53
75°	5	6
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	16940.7
1°	16964.2
2°	16945.3
3°	16889.0
4°	16785.8
5°	16659.0
6°	16485.3
7°	16260.1
8°	16011.2
9°	15739.0
10°	15438.5
11°	15133.5
12°	14800.2
13°	14481.0
14°	14157.1
15°	13847.3
16°	13542.2
17°	13251.1
18°	12960.2
19°	12683.2
20°	12401.6
21°	12115.2
22°	11833.6
23°	11528.4
24°	11199.9
25°	10838.5
26°	10458.2
27°	10035.8
28°	9589.9
29°	9092.2
30°	8576.0
31°	8031.4
32°	7458.8
33°	6858.0
34°	6271.2
35°	5689.1
37.5°	4271.6
40°	3027.7
42.5°	2051.3
45°	1370.7
47.5°	920.0
50°	614.9
52.5°	370.9
55°	248.8
57.5°	173.7



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CANDELA DISTRIBUTION (continued):

	0°
60°	103.3
62.5°	70.4
65°	47.0
67.5°	42.3
70°	4.7
72.5°	9.4
75°	4.7
77.5°	4.7
80°	0.0
82.5°	9.4
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)