

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: P248018

Luminaire Tested: **LSR8B150D010 EC8B150827 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248018
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 EC8B150827 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14407.0 lumens
Efficiency: N/A
Efficacy: 90.9 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

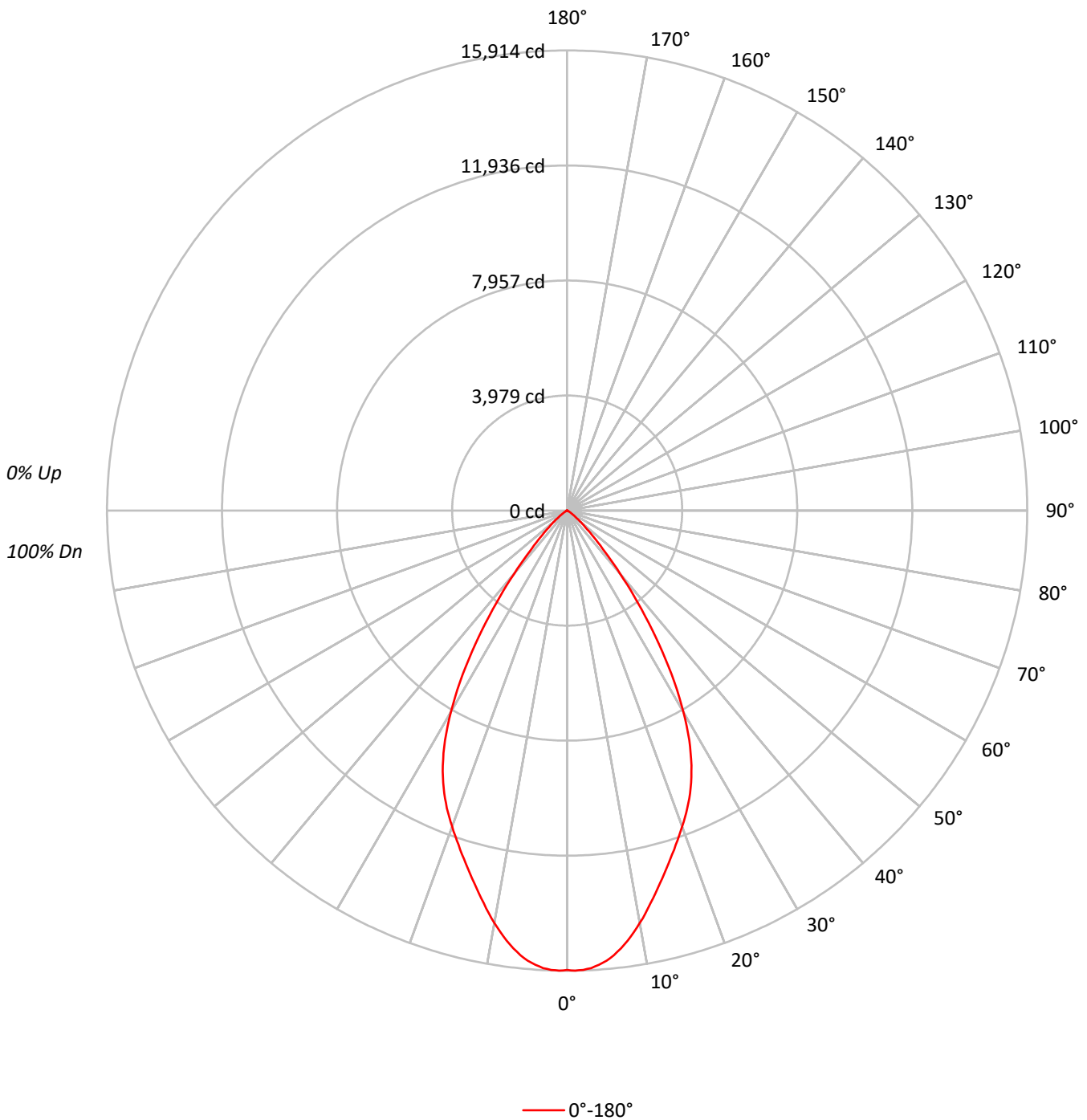
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	490041
5°	483732
10°	453479
15°	414691
20°	381760
25°	345937
30°	286452
35°	200900
40°	114329
45°	56073
50°	27676
55°	12548
60°	5976
65°	3218
70°	397
75°	524
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1454.3	10.1
10°-20°	3646.5	25.3
20°-30°	4603.2	32.0
30°-40°	3311.4	23.0
40°-50°	1096.0	7.6
50°-60°	238.7	1.7
60°-70°	49.2	0.3
70°-80°	5.2	0.0
80°-90°	2.4	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°	9704.0	67.4
0°-40°	13015.4	90.3
0°-60°	14350.1	99.6
0°-90°	14407.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14407.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15892	
5°	15627	###
15°	12990	3647
25°	10167	4603
35°	5337	3311
45°	1286	1096
55°	233	239
65°	44	49
75°	4	5
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	15891.7
1°	15913.7
2°	15896.0
3°	15843.2
4°	15746.4
5°	15627.4
6°	15464.5
7°	15253.2
8°	15019.8
9°	14764.4
10°	14482.6
11°	14196.4
12°	13883.7
13°	13584.3
14°	13280.5
15°	12989.9
16°	12703.6
17°	12430.6
18°	12157.7
19°	11897.8
20°	11633.6
21°	11365.0
22°	11100.8
23°	10814.6
24°	10506.4
25°	10167.4
26°	9810.6
27°	9414.3
28°	8996.1
29°	8529.2
30°	8044.9
31°	7534.1
32°	6996.9
33°	6433.3
34°	5882.9
35°	5336.8
37.5°	4007.1
40°	2840.2
42.5°	1924.3
45°	1285.8
47.5°	863.0
50°	576.9
52.5°	347.9
55°	233.4
57.5°	162.9



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CANDELA DISTRIBUTION (continued):

	0°
60°	96.9
62.5°	66.0
65°	44.1
67.5°	39.6
70°	4.4
72.5°	8.8
75°	4.4
77.5°	4.4
80°	0.0
82.5°	8.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)