

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: P248042

Luminaire Tested: **LSR8B150D010 EC8B150940 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248042
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 EC8B150940 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13679.0 lumens
Efficiency: N/A
Efficacy: 86.3 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

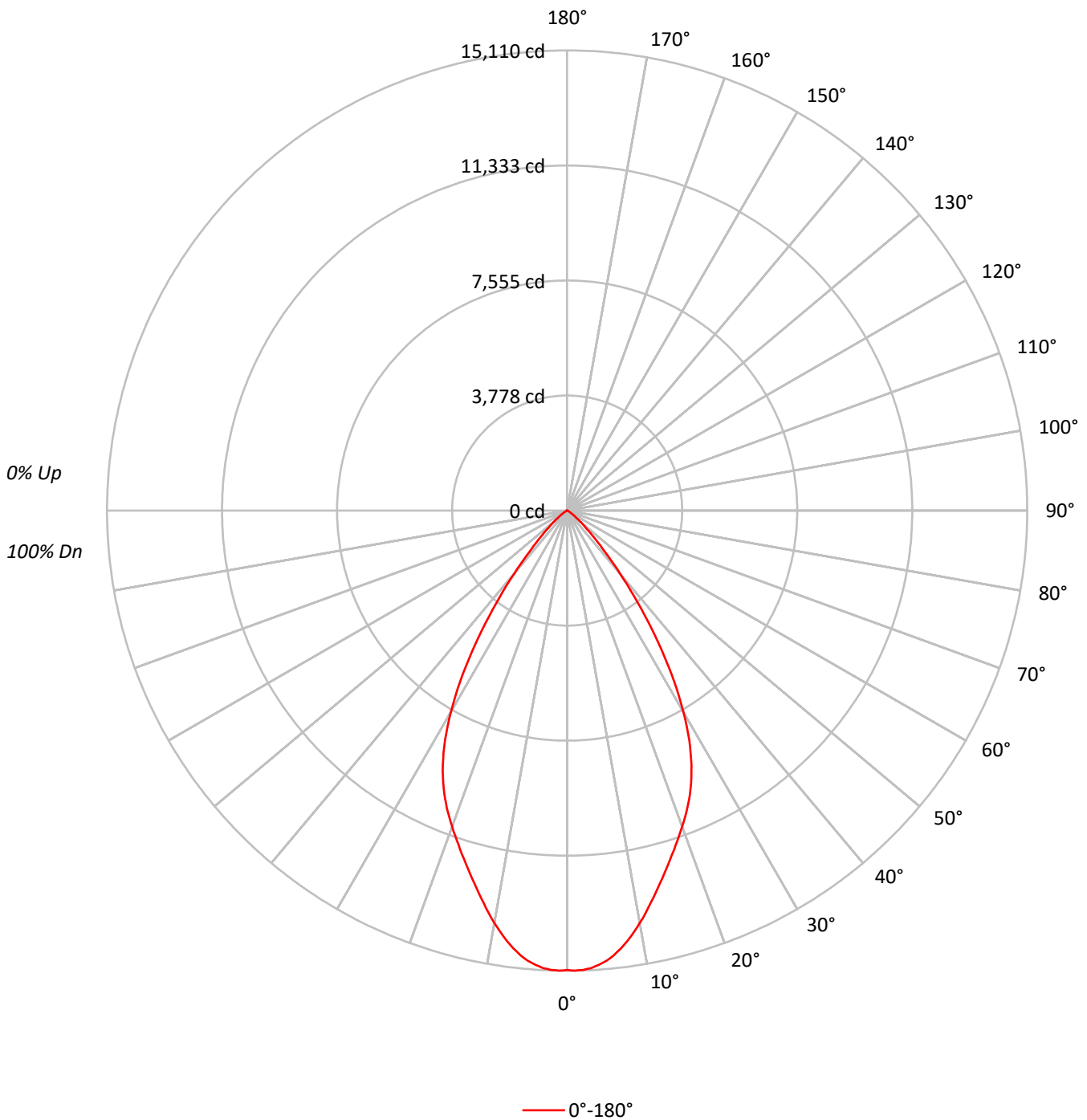
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	465280
5°	459291
10°	430562
15°	393736
20°	362471
25°	328455
30°	271978
35°	190747
40°	108553
45°	53238
50°	26275
55°	11914
60°	5674
65°	3050
70°	379
75°	500
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1380.8	10.1
10°-20°	3462.3	25.3
20°-30°	4370.6	32.0
30°-40°	3144.1	23.0
40°-50°	1040.6	7.6
50°-60°	226.7	1.7
60°-70°	46.7	0.3
70°-80°	5.0	0.0
80°-90°	2.3	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°	9213.6	67.4
0°-40°	12357.7	90.3
0°-60°	13625.0	99.6
0°-90°	13679.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13679.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15089	
5°	14838	###
15°	12334	3462
25°	9654	4371
35°	5067	3144
45°	1221	1041
55°	222	227
65°	42	47
75°	4	5
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15088.7
1°	15109.6
2°	15092.8
3°	15042.7
4°	14950.7
5°	14837.8
6°	14683.1
7°	14482.5
8°	14260.8
9°	14018.4
10°	13750.7
11°	13479.0
12°	13182.2
13°	12897.9
14°	12609.4
15°	12333.5
16°	12061.7
17°	11802.5
18°	11543.3
19°	11296.6
20°	11045.8
21°	10790.7
22°	10539.9
23°	10268.1
24°	9975.5
25°	9653.6
26°	9314.9
27°	8938.6
28°	8541.5
29°	8098.2
30°	7638.4
31°	7153.4
32°	6643.4
33°	6108.2
34°	5585.6
35°	5067.1
37.5°	3804.6
40°	2696.7
42.5°	1827.0
45°	1220.8
47.5°	819.4
50°	547.7
52.5°	330.3
55°	221.6
57.5°	154.7



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CANDELA DISTRIBUTION (continued):

	0°
60°	92.0
62.5°	62.7
65°	41.8
67.5°	37.6
70°	4.2
72.5°	8.4
75°	4.2
77.5°	4.2
80°	0.0
82.5°	8.4
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)