

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: P248051

Luminaire Tested: **LSR8B150D010 EC8B150930 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248051
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 EC8B150930 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12681.9 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

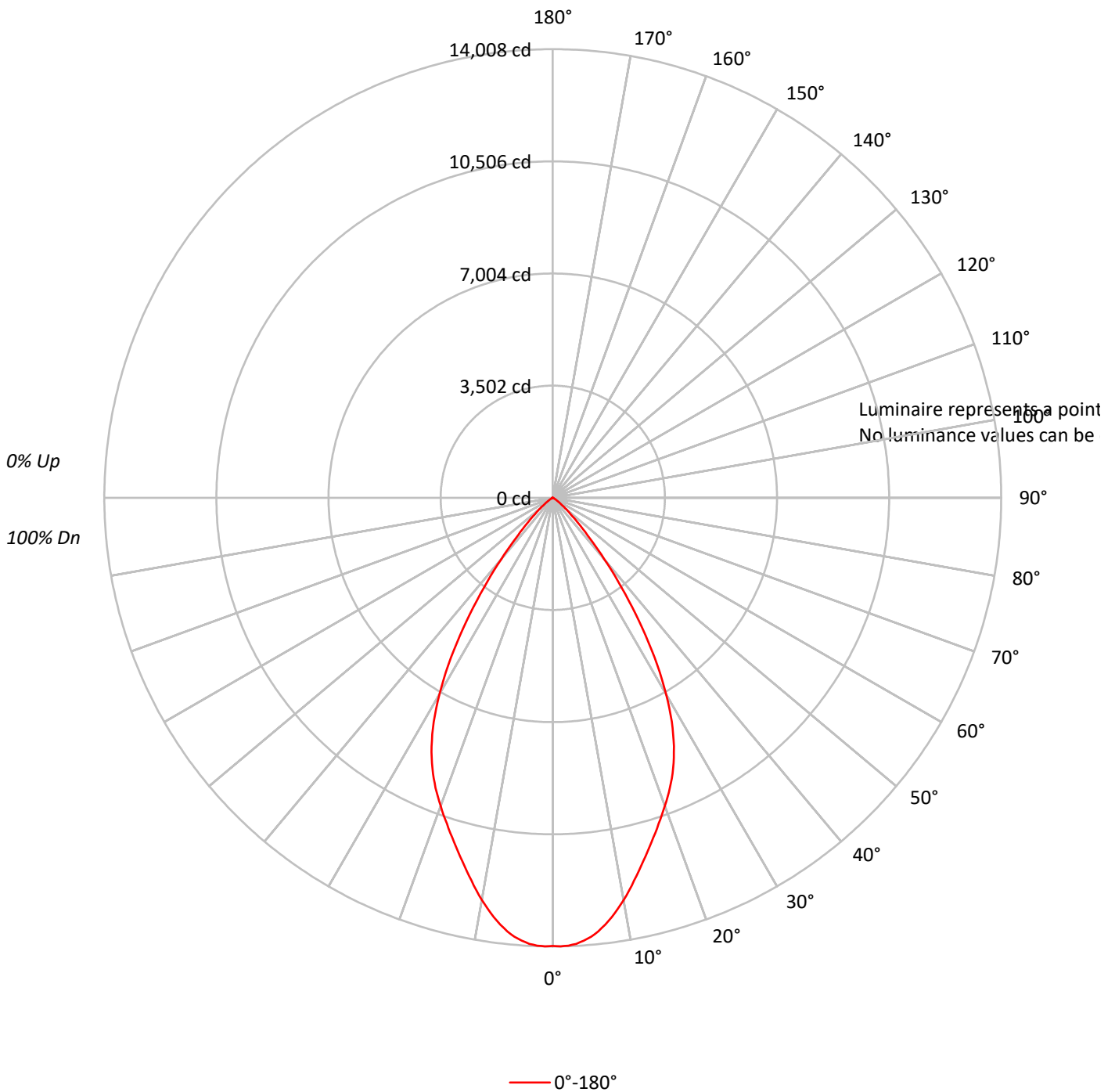
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1280.1	10.1
10°-20°	3209.9	25.3
20°-30°	4052.0	32.0
30°-40°	2914.9	23.0
40°-50°	964.8	7.6
50°-60°	210.2	1.7
60°-70°	43.4	0.3
70°-80°	4.6	0.0
80°-90°	2.1	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°	8542.0	67.4
0°-40°	11456.9	90.3
0°-60°	12631.8	99.6
0°-90°	12681.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12681.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13989	
5°	13756	###
15°	11434	3210
25°	8950	4052
35°	4698	2915
45°	1132	965
55°	206	210
65°	39	43
75°	4	5
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13988.8
1°	14008.1
2°	13992.7
3°	13946.1
4°	13860.8
5°	13756.1
6°	13612.8
7°	13426.8
8°	13221.3
9°	12996.5
10°	12748.3
11°	12496.5
12°	12221.3
13°	11957.7
14°	11690.2
15°	11434.4
16°	11182.4
17°	10942.1
18°	10701.9
19°	10473.2
20°	10240.6
21°	10004.1
22°	9771.6
23°	9519.6
24°	9248.4
25°	8949.8
26°	8635.8
27°	8287.0
28°	7918.9
29°	7507.9
30°	7081.6
31°	6631.9
32°	6159.1
33°	5663.0
34°	5178.5
35°	4697.8
37.5°	3527.2
40°	2500.2
42.5°	1693.8
45°	1131.9
47.5°	759.7
50°	507.8
52.5°	306.3
55°	205.5
57.5°	143.4



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CANDELA DISTRIBUTION (continued):

	0°
60°	85.3
62.5°	58.2
65°	38.8
67.5°	34.9
70°	3.9
72.5°	7.7
75°	3.9
77.5°	3.9
80°	0.0
82.5°	7.7
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)