

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: P249949

Luminaire Tested: **LSR8B150D010 EC8B150930 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249949
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13954)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B150D010 EC8B150930 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13019.3 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

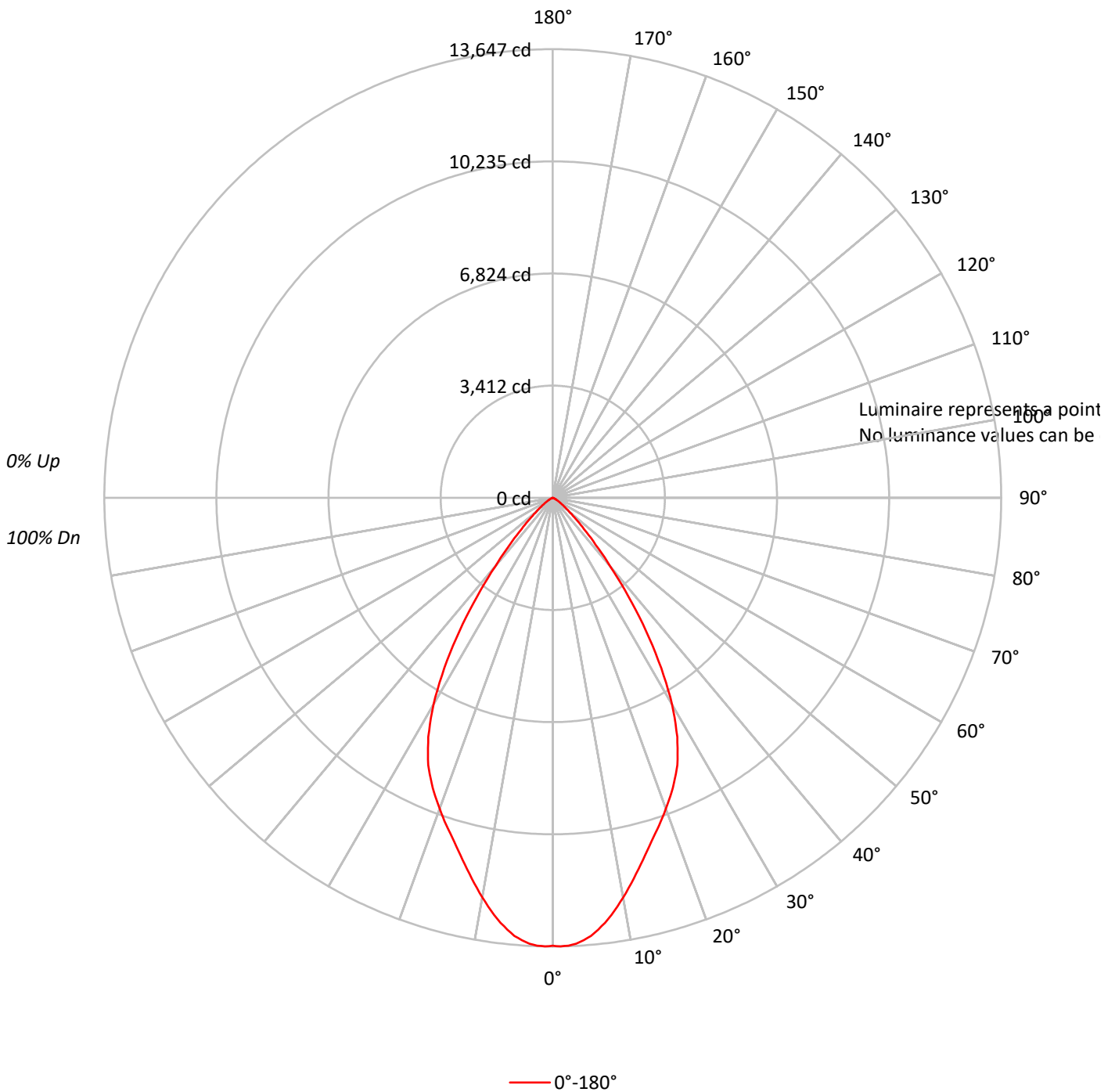
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86
3	101	95	90	85	99	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73
5	91	82	76	71	89	81	75	71	79	74	70	78	73	70	76	72	69	68
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	60	68	64	60	67	63	60	58
8	77	67	61	57	76	67	61	56	65	60	56	64	60	56	63	59	56	54
9	73	63	57	53	72	63	57	53	62	56	53	61	56	52	60	55	52	51
10	70	60	53	49	69	59	53	49	58	53	49	57	53	49	57	52	49	48

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1242.3	9.5
10°-20°	3125.7	24.0
20°-30°	4057.8	31.2
30°-40°	3062.8	23.5
40°-50°	1120.7	8.6
50°-60°	313.3	2.4
60°-70°	82.3	0.6
70°-80°	13.8	0.1
80°-90°	0.5	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°	8425.8	64.7
0°-40°	11488.6	88.2
0°-60°	12922.6	99.3
0°-90°	13019.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13019.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13627	
5°	13375	###
15°	11110	3126
25°	8970	4058
35°	4946	3063
45°	1344	1121
55°	321	313
65°	77	82
75°	12	14
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13627.0
1°	13647.3
2°	13631.1
3°	13578.3
4°	13489.0
5°	13375.3
6°	13208.7
7°	13026.0
8°	12814.9
9°	12583.4
10°	12339.9
11°	12096.3
12°	11844.5
13°	11588.7
14°	11345.1
15°	11109.6
16°	10886.1
17°	10671.0
18°	10476.1
19°	10273.1
20°	10066.0
22.5°	9550.2
25°	8969.7
27.5°	8202.2
30°	7268.3
32.5°	6143.5
35°	4945.7
37.5°	3776.3
40°	2724.6
42.5°	1928.7
45°	1344.1
47.5°	946.1
50°	637.5
52.5°	467.0
55°	320.8
57.5°	231.5
60°	154.2
62.5°	113.7
65°	77.1
67.5°	52.8
70°	28.5
72.5°	20.3
75°	12.2
77.5°	4.0
80°	4.0



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)