

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: P249963

Luminaire Tested: **LSR8B150D010 EC8B150830 8LBN0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249963
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13951)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B150D010 EC8B150830 8LBN0WMH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13350.0 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.79
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

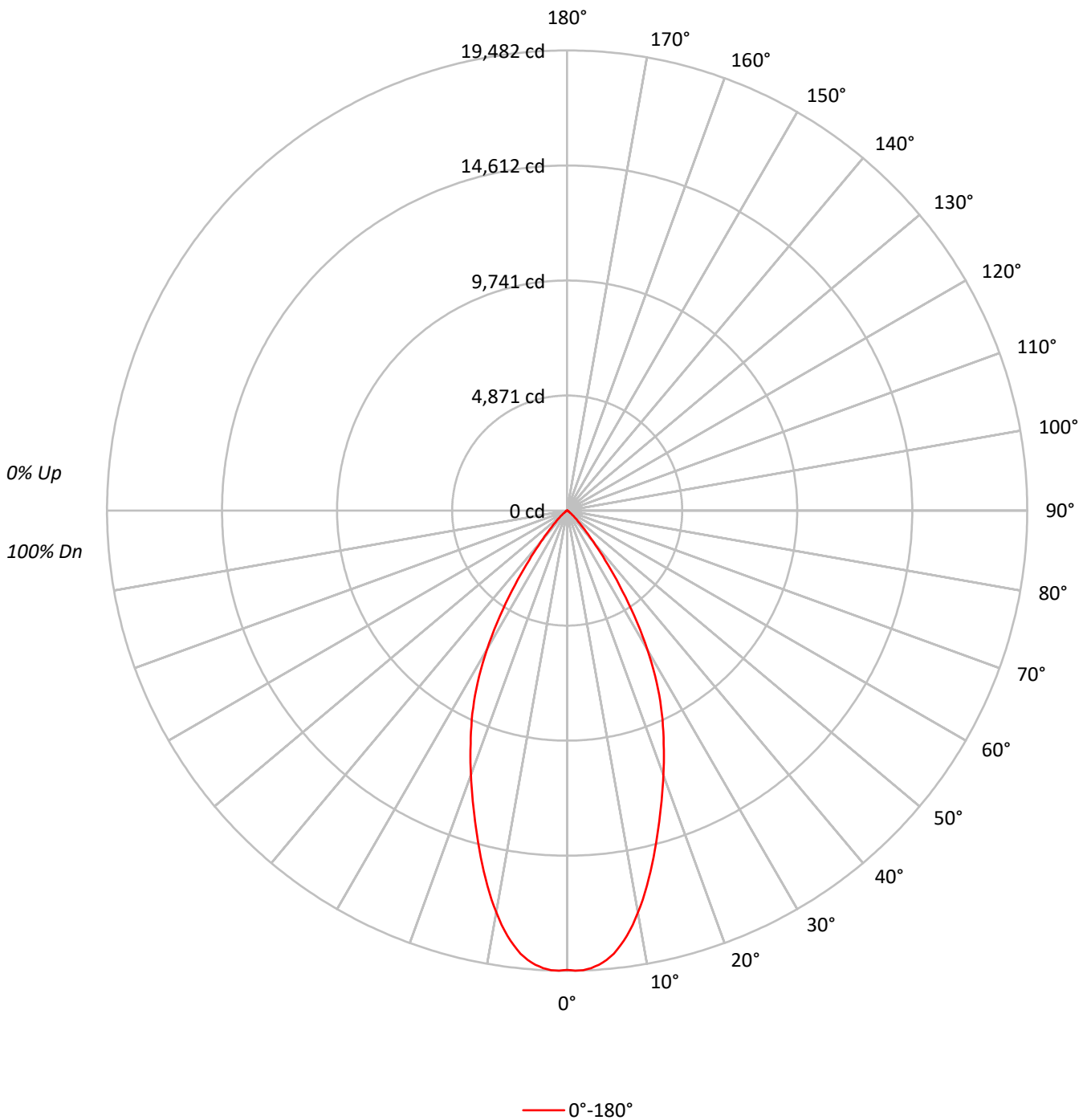
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	89	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	79	77
5	94	86	80	76	92	85	80	76	83	78	75	81	77	74	80	76	74	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64
8	81	72	66	63	80	72	66	62	71	66	62	70	65	62	69	65	62	60
9	78	68	63	59	77	68	63	59	67	62	59	66	62	58	65	61	58	57
10	74	65	59	56	73	65	59	56	64	59	56	63	59	55	62	58	55	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	599600
5°	591248
10°	540909
15°	464413
20°	391083
25°	323124
30°	242368
35°	144471
40°	68830
45°	29986
50°	13595
55°	5989
60°	3435
65°	2043
70°	2101
75°	0
80°	835
85°	3290



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1764.8	13.2
10°-20°	4049.2	30.3
20°-30°	4301.8	32.2
30°-40°	2454.4	18.4
40°-50°	608.6	4.6
50°-60°	119.6	0.9
60°-70°	36.1	0.3
70°-80°	8.6	0.1
80°-90°	7.0	0.1
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°	10115.8	75.8
0°-40°	12570.1	94.2
0°-60°	13298.3	99.6
0°-90°	13350.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13350.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19445	
5°	19101	###
15°	14547	4049
25°	9497	4302
35°	3838	2454
45°	688	609
55°	111	120
65°	28	36
75°	0	9
85°	9	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19444.6
1°	19481.9
2°	19467.9
3°	19398.2
4°	19277.4
5°	19100.8
6°	18868.6
7°	18547.9
8°	18180.8
9°	17748.9
10°	17274.8
11°	16773.1
12°	16234.0
13°	15685.8
14°	15123.6
15°	14547.4
16°	14003.9
17°	13455.6
18°	12939.8
19°	12414.9
20°	11917.7
22.5°	10686.3
25°	9496.9
27.5°	8219.3
30°	6806.8
32.5°	5292.0
35°	3837.8
37.5°	2643.7
40°	1709.9
42.5°	1082.7
45°	687.6
47.5°	450.8
50°	283.4
52.5°	172.0
55°	111.4
57.5°	88.3
60°	55.7
62.5°	51.1
65°	28.0
67.5°	28.0
70°	23.3
72.5°	14.0
75°	0.0
77.5°	4.7
80°	4.7



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	9.3
85°	9.3
87.5°	4.7
90°	0.0

(END OF REPORT)