

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: P248048

Luminaire Tested: **LSR8B150D010 EC8B1509727 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248048
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 EC8B1509727 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10693.0 lumens
Efficiency: N/A
Efficacy: 67.5 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

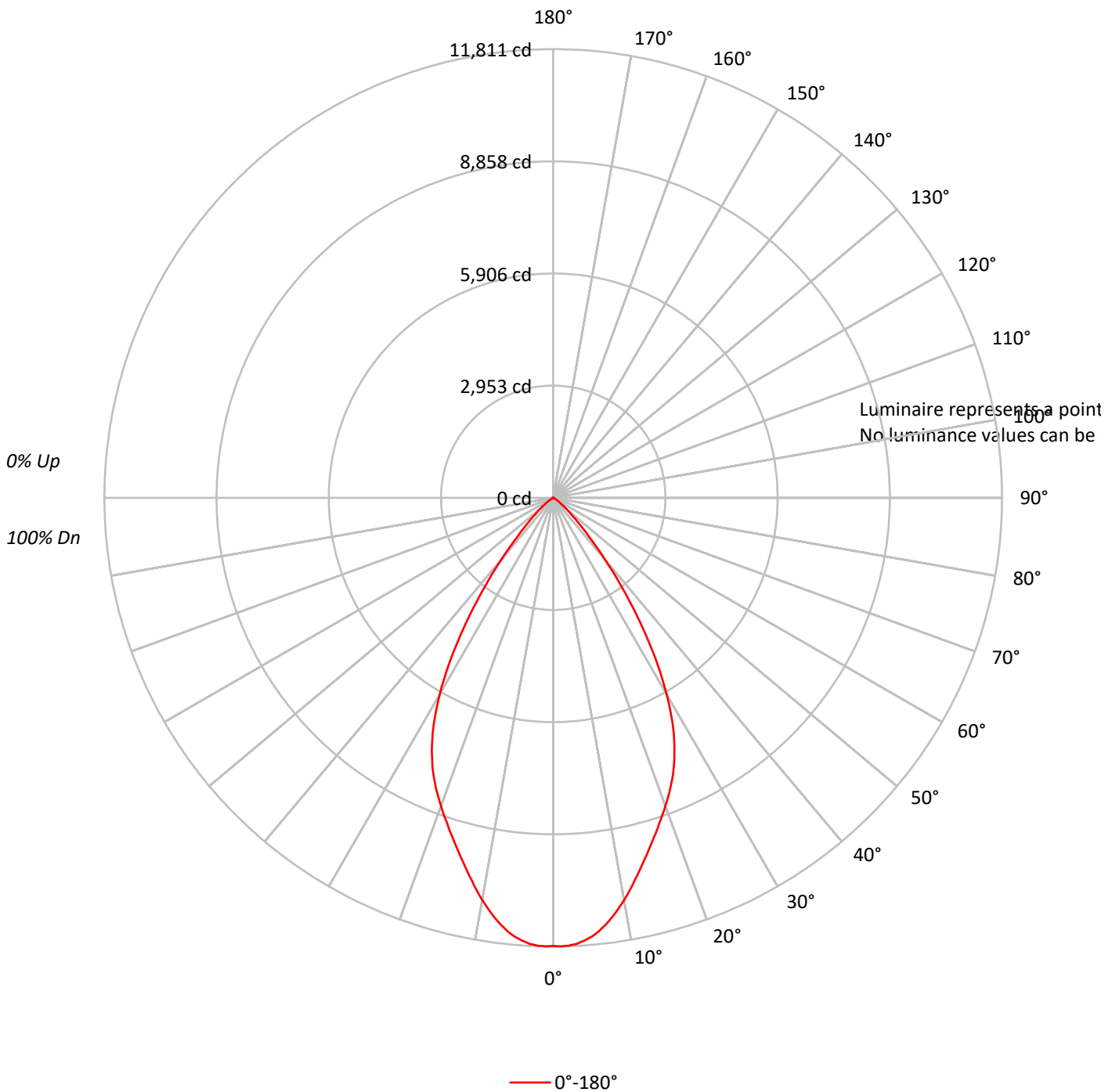
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1079.4	10.1
10°-20°	2706.5	25.3
20°-30°	3416.5	32.0
30°-40°	2457.8	23.0
40°-50°	813.4	7.6
50°-60°	177.2	1.7
60°-70°	36.5	0.3
70°-80°	3.9	0.0
80°-90°	1.8	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°	7202.4	67.4
0°-40°	9660.2	90.3
0°-60°	10650.8	99.6
0°-90°	10693.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10693.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11795	
5°	11599	###
15°	9641	2706
25°	7546	3417
35°	3961	2458
45°	954	813
55°	173	177
65°	33	37
75°	3	4
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11795.0
1°	11811.3
2°	11798.2
3°	11759.0
4°	11687.1
5°	11598.8
6°	11477.9
7°	11321.1
8°	11147.8
9°	10958.3
10°	10749.1
11°	10536.7
12°	10304.6
13°	10082.4
14°	9856.9
15°	9641.2
16°	9428.7
17°	9226.1
18°	9023.5
19°	8830.7
20°	8634.6
21°	8435.2
22°	8239.1
23°	8026.7
24°	7798.0
25°	7546.3
26°	7281.5
27°	6987.4
28°	6677.0
29°	6330.5
30°	5971.0
31°	5591.9
32°	5193.2
33°	4774.9
34°	4366.3
35°	3961.0
37.5°	2974.1
40°	2108.0
42.5°	1428.2
45°	954.3
47.5°	640.5
50°	428.1
52.5°	258.2
55°	173.2
57.5°	120.9



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CANDELA DISTRIBUTION (continued):

	0°
60°	71.9
62.5°	49.0
65°	32.7
67.5°	29.4
70°	3.3
72.5°	6.6
75°	3.3
77.5°	3.3
80°	0.0
82.5°	6.6
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)