

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: P247872

Luminaire Tested: **LD8B175D010 ER8B175930 8LBMOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247872
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-90)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175930 8LBM0LI
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15476.5 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

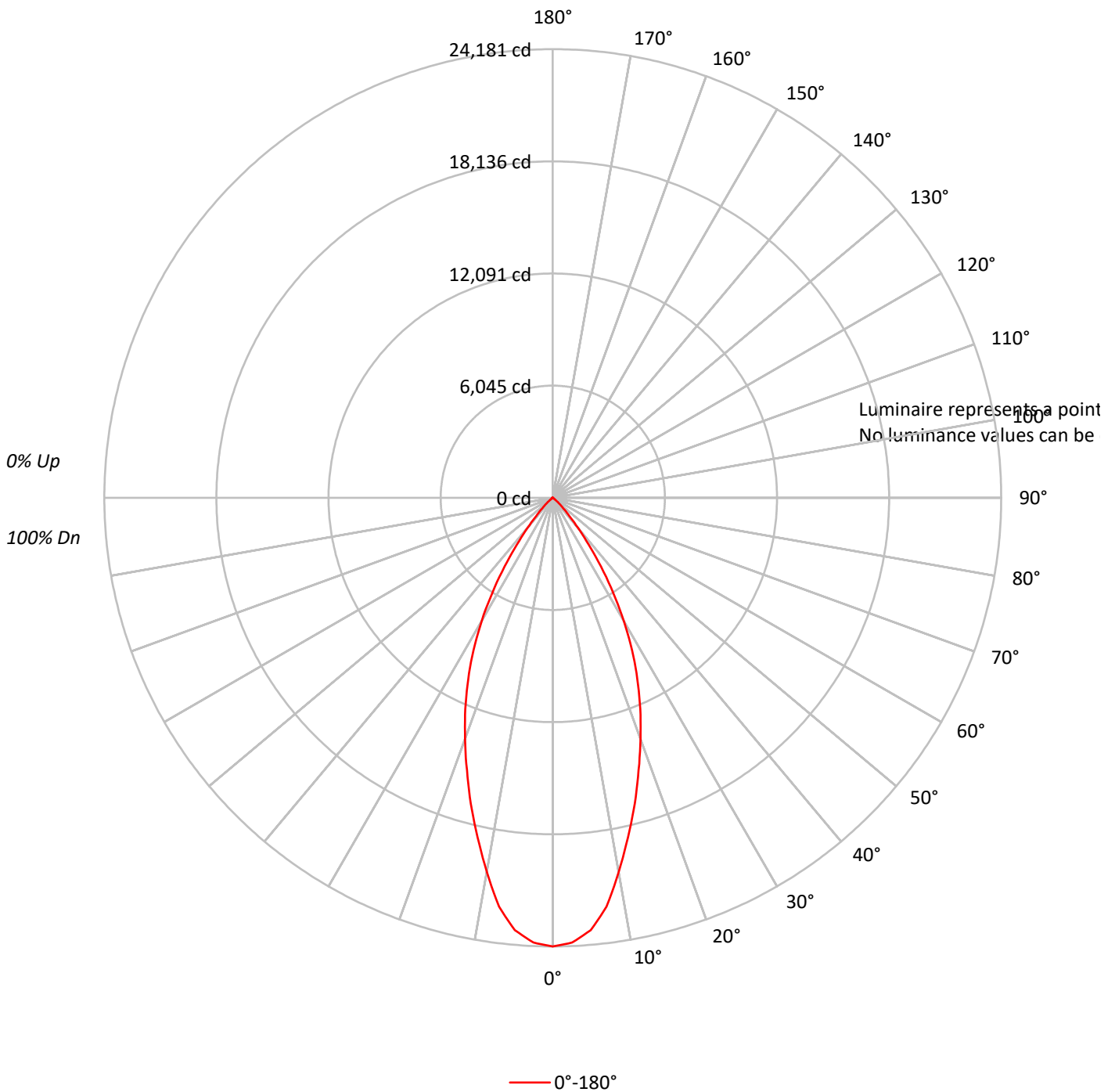
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	103	97	93	89	102	96	92	88	93	90	87	91	88	85	89	86	84	83
4	99	91	86	82	97	90	86	82	88	84	81	86	83	80	84	81	79	78
5	94	86	81	77	92	85	80	76	83	79	76	82	78	75	80	77	74	73
6	90	81	76	72	88	80	75	71	79	74	71	78	73	70	76	73	70	68
7	86	77	71	67	84	76	71	67	75	70	67	74	69	66	73	69	66	65
8	82	73	67	63	80	72	67	63	71	66	63	70	66	62	69	65	62	61
9	78	69	63	60	77	68	63	59	68	63	59	67	62	59	66	62	59	58
10	75	66	60	56	74	65	60	56	64	59	56	64	59	56	63	59	56	55

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2140.0	13.8
10°-20°	4746.8	30.7
20°-30°	4903.6	31.7
30°-40°	2858.7	18.5
40°-50°	716.4	4.6
50°-60°	86.8	0.6
60°-70°	18.1	0.1
70°-80°	2.3	0.0
80°-90°	3.8	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°	11790.4	76.2
0°-40°	14649.1	94.7
0°-60°	15452.2	99.8
0°-90°	15476.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15476.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24181	
5°	23398	###
15°	17066	4747
25°	10782	4904
35°	4521	2859
45°	813	716
55°	74	87
65°	12	18
75°	2	2
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	24181.3
2.5°	23993.9
5°	23398.2
7.5°	22225.3
10°	20470.7
12.5°	18732.9
15°	17065.9
17.5°	15393.3
20°	13823.4
22.5°	12314.9
25°	10782.1
27.5°	9257.8
30°	7657.1
32.5°	6077.7
35°	4520.8
37.5°	3176.4
40°	2081.8
42.5°	1311.8
45°	812.9
47.5°	496.0
50°	267.6
52.5°	130.5
55°	73.6
57.5°	40.1
60°	34.5
62.5°	24.2
65°	12.1
67.5°	14.9
70°	10.2
72.5°	0.0
75°	1.9
77.5°	0.9
80°	1.9
82.5°	2.8
85°	0.0
87.5°	10.2
90°	0.0

(END OF REPORT)