

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: P250027

Luminaire Tested: **LD8B175D010 ER8B1759727 8LBN0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250027
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: LD8B175D010 ER8B1759727 8LBN0WMH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10913.9 lumens
Efficiency: N/A
Efficacy: 61.6 lumens/watt
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.79
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

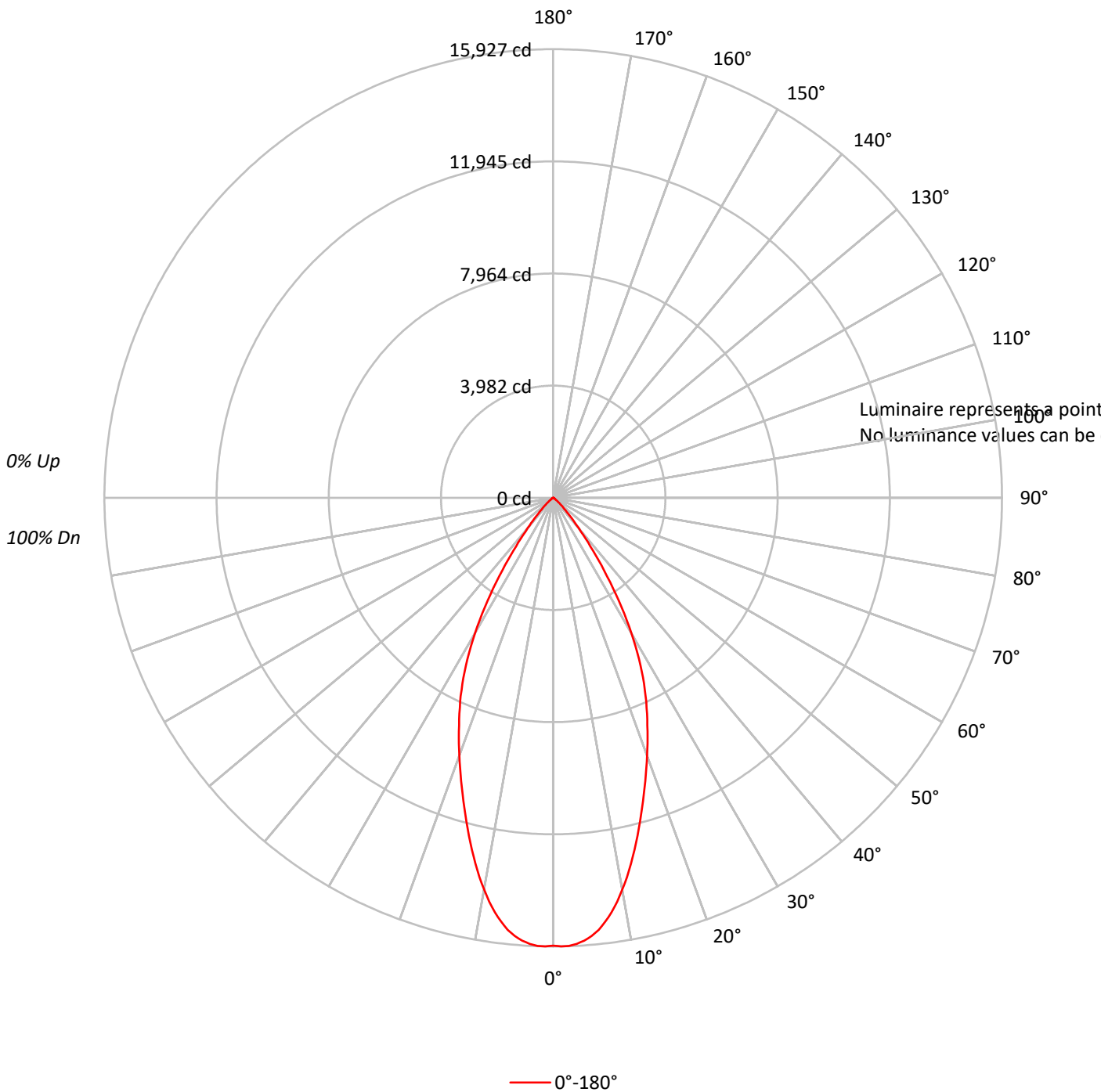
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1442.8	13.2
10°-20°	3310.3	30.3
20°-30°	3516.8	32.2
30°-40°	2006.5	18.4
40°-50°	497.5	4.6
50°-60°	97.8	0.9
60°-70°	29.5	0.3
70°-80°	7.0	0.1
80°-90°	5.7	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°	8269.9	75.8
0°-40°	10276.5	94.2
0°-60°	10871.8	99.6
0°-90°	10913.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10913.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15896	
5°	15615	###
15°	11893	3310
25°	7764	3517
35°	3138	2007
45°	562	497
55°	91	98
65°	23	30
75°	0	7
85°	8	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15896.5
1°	15927.0
2°	15915.5
3°	15858.6
4°	15759.8
5°	15615.4
6°	15425.6
7°	15163.4
8°	14863.3
9°	14510.2
10°	14122.6
11°	13712.5
12°	13271.8
13°	12823.6
14°	12364.0
15°	11892.9
16°	11448.5
17°	11000.4
18°	10578.7
19°	10149.5
20°	9743.1
22.5°	8736.4
25°	7764.0
27.5°	6719.5
30°	5564.8
32.5°	4326.4
35°	3137.5
37.5°	2161.3
40°	1397.9
42.5°	885.1
45°	562.1
47.5°	368.5
50°	231.7
52.5°	140.6
55°	91.1
57.5°	72.2
60°	45.5
62.5°	41.7
65°	22.9
67.5°	22.9
70°	19.0
72.5°	11.4
75°	0.0
77.5°	3.8
80°	3.8



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	7.6
85°	7.6
87.5°	3.8
90°	0.0

(END OF REPORT)