

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: P250034

Luminaire Tested: **LD8B175D010 ER8B1759730 8LBN0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250034
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 ER8B1759730 8LBN0WMH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11546.1 lumens
Efficiency: N/A
Efficacy: 65.2 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

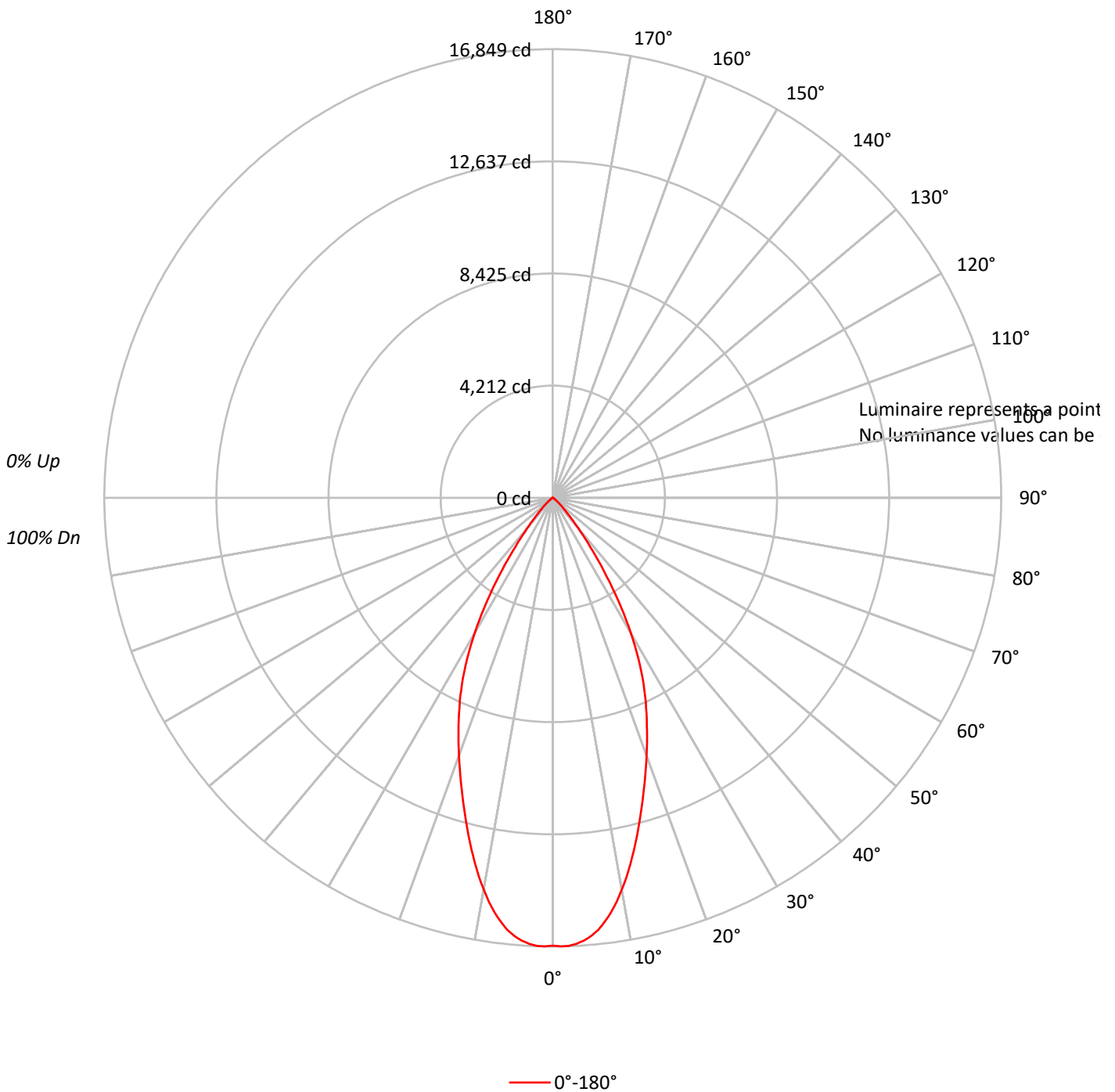
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1526.3	13.2
10°-20°	3502.0	30.3
20°-30°	3720.5	32.2
30°-40°	2122.7	18.4
40°-50°	526.3	4.6
50°-60°	103.5	0.9
60°-70°	31.3	0.3
70°-80°	7.4	0.1
80°-90°	6.0	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°	8748.8	75.8
0°-40°	10871.5	94.2
0°-60°	11501.4	99.6
0°-90°	11546.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11546.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16817	
5°	16520	###
15°	12582	3502
25°	8214	3720
35°	3319	2123
45°	595	526
55°	96	104
65°	24	31
75°	0	7
85°	8	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	16817.0
1°	16849.3
2°	16837.2
3°	16776.9
4°	16672.5
5°	16519.7
6°	16318.9
7°	16041.5
8°	15724.0
9°	15350.4
10°	14940.4
11°	14506.6
12°	14040.3
13°	13566.2
14°	13079.9
15°	12581.6
16°	12111.5
17°	11637.4
18°	11191.2
19°	10737.3
20°	10307.3
22.5°	9242.3
25°	8213.6
27.5°	7108.6
30°	5887.0
32.5°	4576.9
35°	3319.2
37.5°	2286.4
40°	1478.9
42.5°	936.4
45°	594.7
47.5°	389.9
50°	245.1
52.5°	148.8
55°	96.4
57.5°	76.4
60°	48.2
62.5°	44.2
65°	24.2
67.5°	24.2
70°	20.2
72.5°	12.1
75°	0.0
77.5°	4.0
80°	4.0



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	8.1
85°	8.1
87.5°	4.0
90°	0.0

(END OF REPORT)