

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: P248013

Luminaire Tested: **LD8B175D010 ER8B175927 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248013
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-71)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175927 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14015.2 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

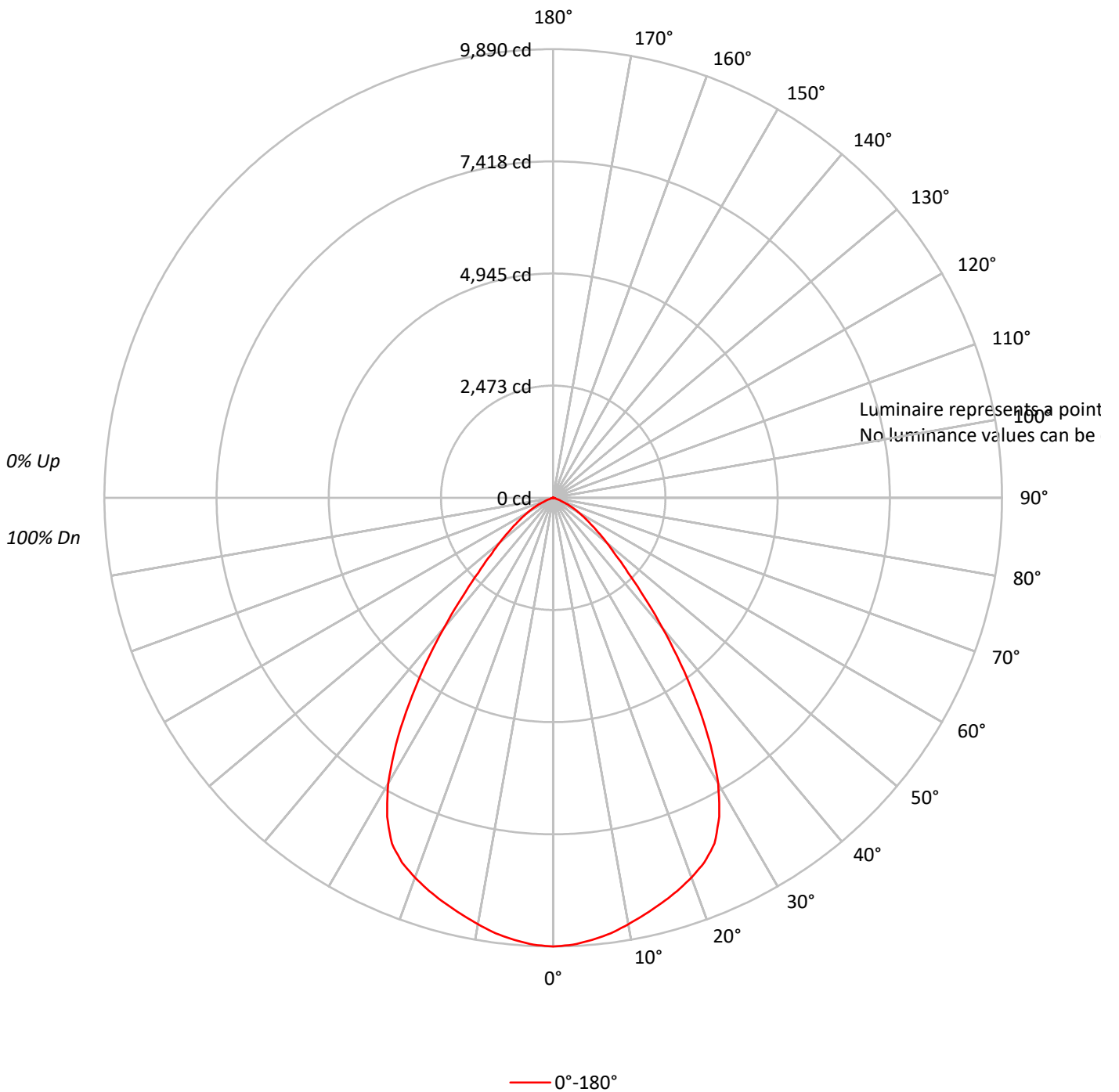
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





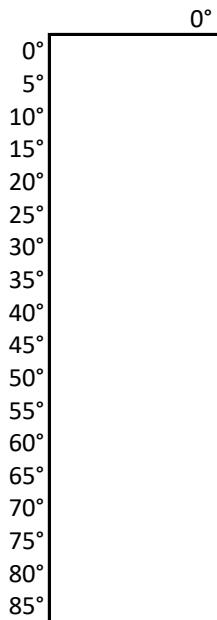
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	58	56
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47
9	68	57	50	46	67	56	50	46	55	49	45	54	49	45	54	49	45	43
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	926.7	6.6
10°-20°	2609.9	18.6
20°-30°	3811.3	27.2
30°-40°	3427.7	24.5
40°-50°	1874.6	13.4
50°-60°	929.3	6.6
60°-70°	367.0	2.6
70°-80°	59.1	0.4
80°-90°	9.7	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°	7347.8	52.4
0°-40°	10775.6	76.9
0°-60°	13579.5	96.9
0°-90°	14015.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14015.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9890	
5°	9785	927
15°	9247	2610
25°	8411	3811
35°	5532	3428
45°	2334	1875
55°	1008	929
65°	367	367
75°	45	59
85°	12	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9889.8
2.5°	9862.3
5°	9785.4
7.5°	9685.5
10°	9544.8
12.5°	9395.3
15°	9246.8
17.5°	9087.6
20°	8907.2
22.5°	8701.1
25°	8410.9
27.5°	7922.8
30°	7271.0
32.5°	6449.3
35°	5532.2
37.5°	4616.8
40°	3742.1
42.5°	2954.0
45°	2334.0
47.5°	1870.5
50°	1544.2
52.5°	1256.7
55°	1008.2
57.5°	814.6
60°	651.8
62.5°	515.6
65°	367.1
67.5°	218.5
70°	131.7
72.5°	74.2
75°	45.1
77.5°	29.1
80°	21.3
82.5°	7.1
85°	12.4
87.5°	5.3
90°	0.0

(END OF REPORT)