

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: P248016

Luminaire Tested: **LD8B175D010 ER8B1759730 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248016
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 ER8B1759730 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13180.0 lumens
Efficiency: N/A
Efficacy: 74.4 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

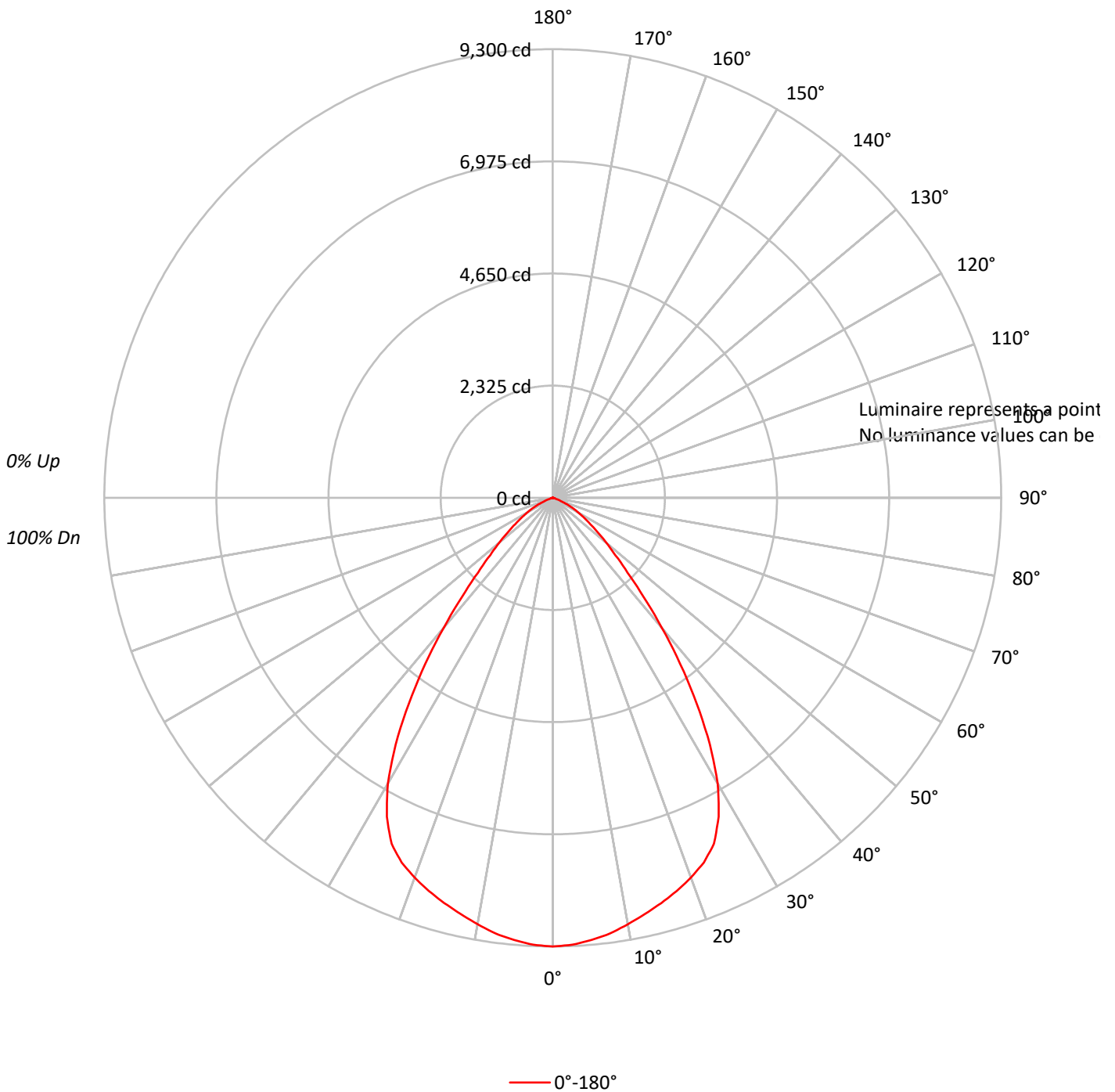
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	871.5	6.6
10°-20°	2454.3	18.6
20°-30°	3584.1	27.2
30°-40°	3223.4	24.5
40°-50°	1762.9	13.4
50°-60°	874.0	6.6
60°-70°	345.1	2.6
70°-80°	55.6	0.4
80°-90°	9.1	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°	6909.9	52.4
0°-40°	10133.3	76.9
0°-60°	12770.2	96.9
0°-90°	13180.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13180.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9300	
5°	9202	871
15°	8696	2454
25°	7910	3584
35°	5202	3223
45°	2195	1763
55°	948	874
65°	345	345
75°	42	56
85°	12	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9300.4
2.5°	9274.6
5°	9202.2
7.5°	9108.3
10°	8976.0
12.5°	8835.4
15°	8695.7
17.5°	8546.0
20°	8376.3
22.5°	8182.5
25°	7909.7
27.5°	7450.6
30°	6837.6
32.5°	6065.0
35°	5202.5
37.5°	4341.6
40°	3519.0
42.5°	2778.0
45°	2194.9
47.5°	1759.1
50°	1452.2
52.5°	1181.9
55°	948.2
57.5°	766.0
60°	613.0
62.5°	484.9
65°	345.2
67.5°	205.4
70°	123.9
72.5°	69.9
75°	42.4
77.5°	27.4
80°	20.0
82.5°	6.7
85°	11.6
87.5°	5.0
90°	0.0

(END OF REPORT)