

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 ER8B175930 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 ER8B175930 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: 14774.8 lumens
Efficiency: N/A
Efficacy: 83.4 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

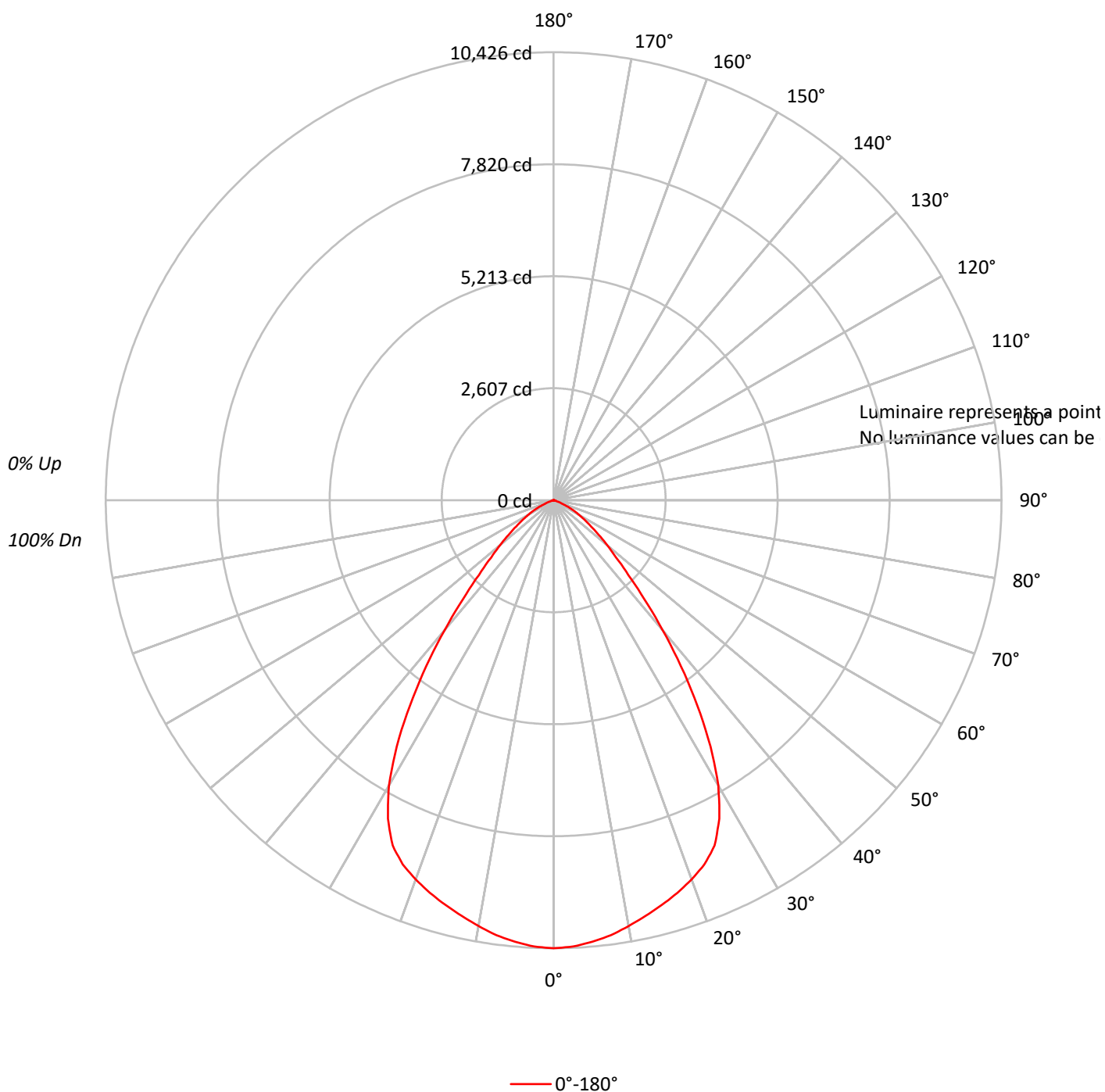
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





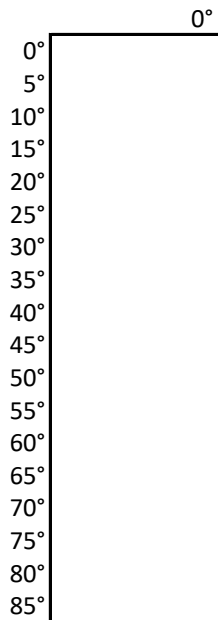
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
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°	976.9	6.6
10°-20°	2751.3	18.6
20°-30°	4017.8	27.2
30°-40°	3613.4	24.5
40°-50°	1976.2	13.4
50°-60°	979.7	6.6
60°-70°	386.9	2.6
70°-80°	62.3	0.4
80°-90°	10.2	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°	7746.0	52.4
0°-40°	11359.5	76.9
0°-60°	14315.4	96.9
0°-90°	14774.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14774.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10426	
5°	10316	977
15°	9748	2751
25°	8867	4018
35°	5832	3613
45°	2460	1976
55°	1063	980
65°	387	387
75°	48	62
85°	13	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10425.7
2.5°	10396.8
5°	10315.7
7.5°	10210.4
10°	10062.1
12.5°	9904.5
15°	9747.9
17.5°	9580.1
20°	9389.8
22.5°	9172.6
25°	8866.8
27.5°	8352.1
30°	7664.9
32.5°	6798.9
35°	5832.0
37.5°	4866.9
40°	3944.8
42.5°	3114.1
45°	2460.5
47.5°	1972.0
50°	1627.9
52.5°	1324.9
55°	1062.9
57.5°	858.7
60°	687.2
62.5°	543.6
65°	387.0
67.5°	230.3
70°	138.9
72.5°	78.4
75°	47.5
77.5°	30.7
80°	22.4
82.5°	7.5
85°	13.0
87.5°	5.6
90°	0.0

(END OF REPORT)