

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: P250006

Luminaire Tested: **LD8B175D010 ER8B175935 8LBN0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250006
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 ER8B175935 8LBN0WMH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13367.0 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.79
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

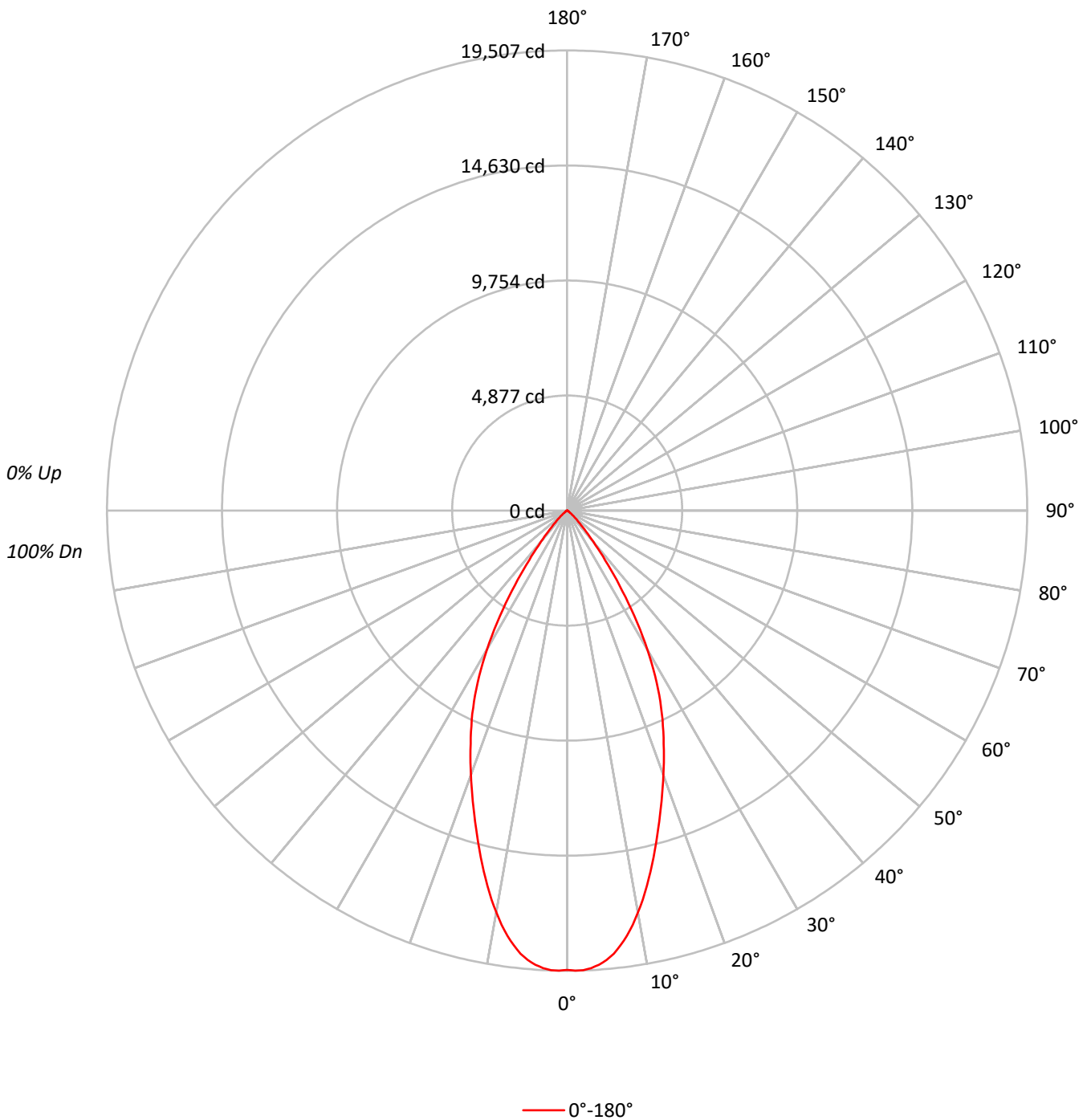
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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):

	0°
0°	600361
5°	592000
10°	541598
15°	465003
20°	391582
25°	323535
30°	242678
35°	144655
40°	68919
45°	30025
50°	13615
55°	6000
60°	3441
65°	2043
70°	2101
75°	0
80°	835
85°	3290



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1767.1	13.2
10°-20°	4054.3	30.3
20°-30°	4307.2	32.2
30°-40°	2457.5	18.4
40°-50°	609.3	4.6
50°-60°	119.8	0.9
60°-70°	36.1	0.3
70°-80°	8.6	0.1
80°-90°	7.0	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°	10128.7	75.8
0°-40°	12586.2	94.2
0°-60°	13315.3	99.6
0°-90°	13367.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13367.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19469	
5°	19125	###
15°	14566	4054
25°	9509	4307
35°	3843	2458
45°	688	609
55°	112	120
65°	28	36
75°	0	9
85°	9	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	19469.3
1°	19506.7
2°	19492.7
3°	19422.9
4°	19302.0
5°	19125.1
6°	18892.6
7°	18571.5
8°	18203.9
9°	17771.5
10°	17296.8
11°	16794.5
12°	16254.7
13°	15705.8
14°	15142.9
15°	14565.9
16°	14021.7
17°	13472.8
18°	12956.3
19°	12430.7
20°	11932.9
22.5°	10699.9
25°	9509.0
27.5°	8229.8
30°	6815.5
32.5°	5298.8
35°	3842.7
37.5°	2647.0
40°	1712.1
42.5°	1084.1
45°	688.5
47.5°	451.4
50°	283.8
52.5°	172.2
55°	111.6
57.5°	88.4
60°	55.8
62.5°	51.1
65°	28.0
67.5°	28.0
70°	23.3
72.5°	14.0
75°	0.0
77.5°	4.7
80°	4.7



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	9.3
85°	9.3
87.5°	4.7
90°	0.0

(END OF REPORT)