

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: P250090

Luminaire Tested: **LD8B175D010 ER8B175935 8LBNOWH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250090
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13946)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175935 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 3500 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14077.0 lumens
Efficiency: N/A
Efficacy: 79.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.66
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

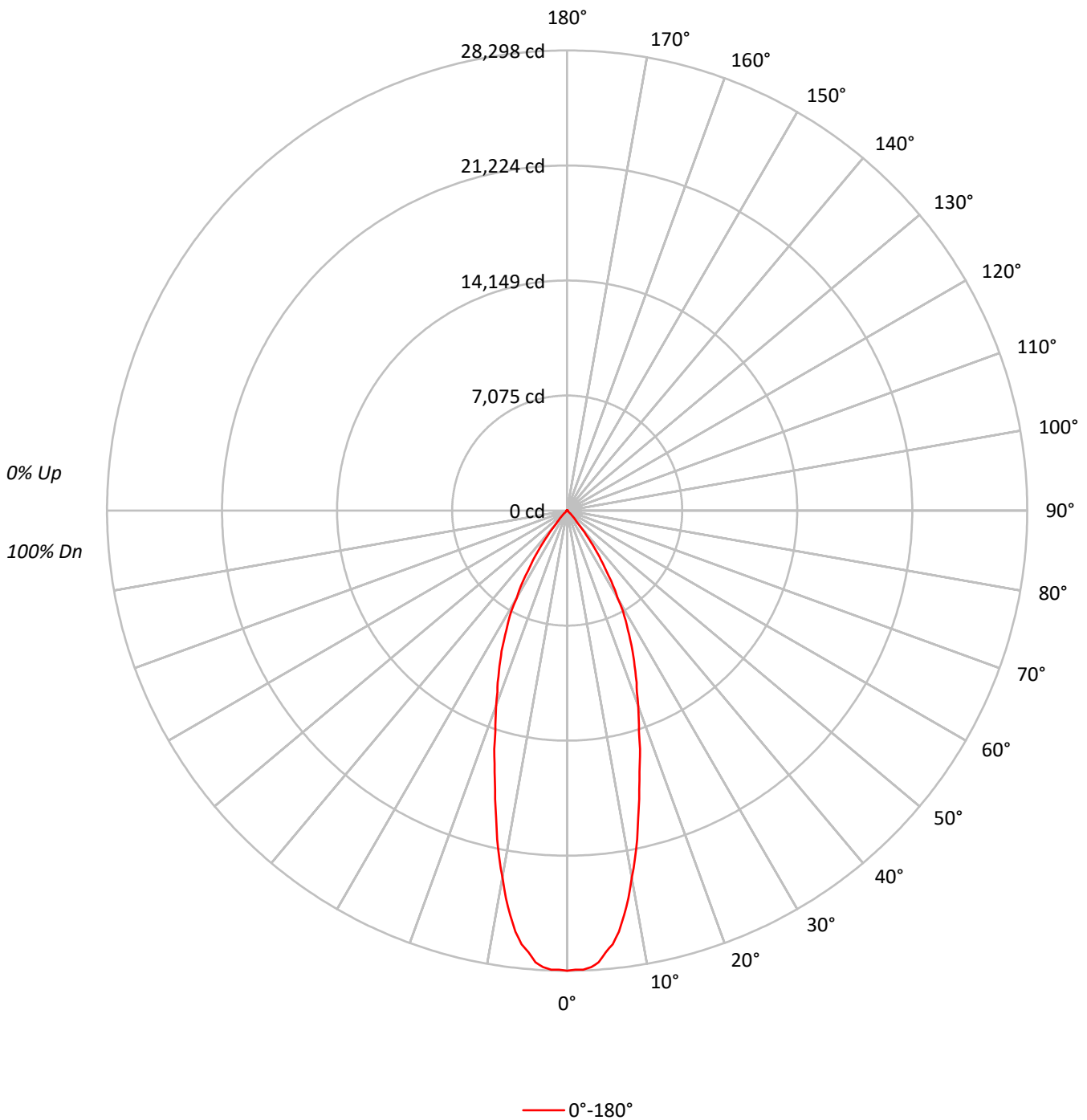
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	85
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76
6	92	84	79	75	90	83	78	74	82	77	74	80	76	74	79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65
9	81	72	67	64	80	72	67	64	71	66	63	70	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	63	60	67	63	60	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	872612
5°	843865
10°	717653
15°	547741
20°	418612
25°	324393
30°	221249
35°	129989
40°	39747
45°	15634
50°	235
55°	263
60°	302
65°	722
70°	1334
75°	1180
80°	870
85°	5236



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2471.4	17.6
10°-20°	4789.1	34.0
20°-30°	4311.7	30.6
30°-40°	2133.2	15.2
40°-50°	324.5	2.3
50°-60°	13.3	0.1
60°-70°	17.1	0.1
70°-80°	6.5	0.0
80°-90°	10.1	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°	11572.2	82.2
0°-40°	13705.5	97.4
0°-60°	14043.3	99.8
0°-90°	14077.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14077.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	28298	
5°	27262	###
15°	17158	4789
25°	9534	4312
35°	3453	2133
45°	358	325
55°	5	13
65°	10	17
75°	10	6
85°	15	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	28298.2
1°	28239.3
2°	28253.8
3°	28111.4
4°	27851.2
5°	27261.8
6°	26809.8
7°	26092.7
8°	25130.0
9°	24127.8
10°	22919.4
11°	21838.8
12°	20679.7
13°	19397.6
14°	18292.4
15°	17157.6
16°	16189.9
17°	15335.4
18°	14284.1
19°	13512.9
20°	12756.6
21°	11970.5
22°	11395.9
23°	10727.8
24°	10113.8
25°	9534.2
26°	8851.4
27°	8237.5
28°	7687.3
29°	7083.1
30°	6213.7
31°	5722.6
32°	5103.6
33°	4425.7
34°	3909.9
35°	3453.1
37.5°	2185.7
40°	987.4
42.5°	673.0
45°	358.5
47.5°	201.3
50°	4.9
52.5°	19.7
55°	4.9
57.5°	29.6



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CANDELA DISTRIBUTION (continued):

	0°
60°	4.9
62.5°	24.6
65°	9.9
67.5°	24.6
70°	14.8
72.5°	4.9
75°	9.9
77.5°	0.0
80°	4.9
82.5°	19.7
85°	14.8
87.5°	0.0
90°	0.0

(END OF REPORT)