

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: P250559

Luminaire Tested: **LD8B175D010 ER8B175835 8LBM0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250559
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13928)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175835 8LBM0B
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 3500 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11544.0 lumens
Efficiency: N/A
Efficacy: 65.1 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.87
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

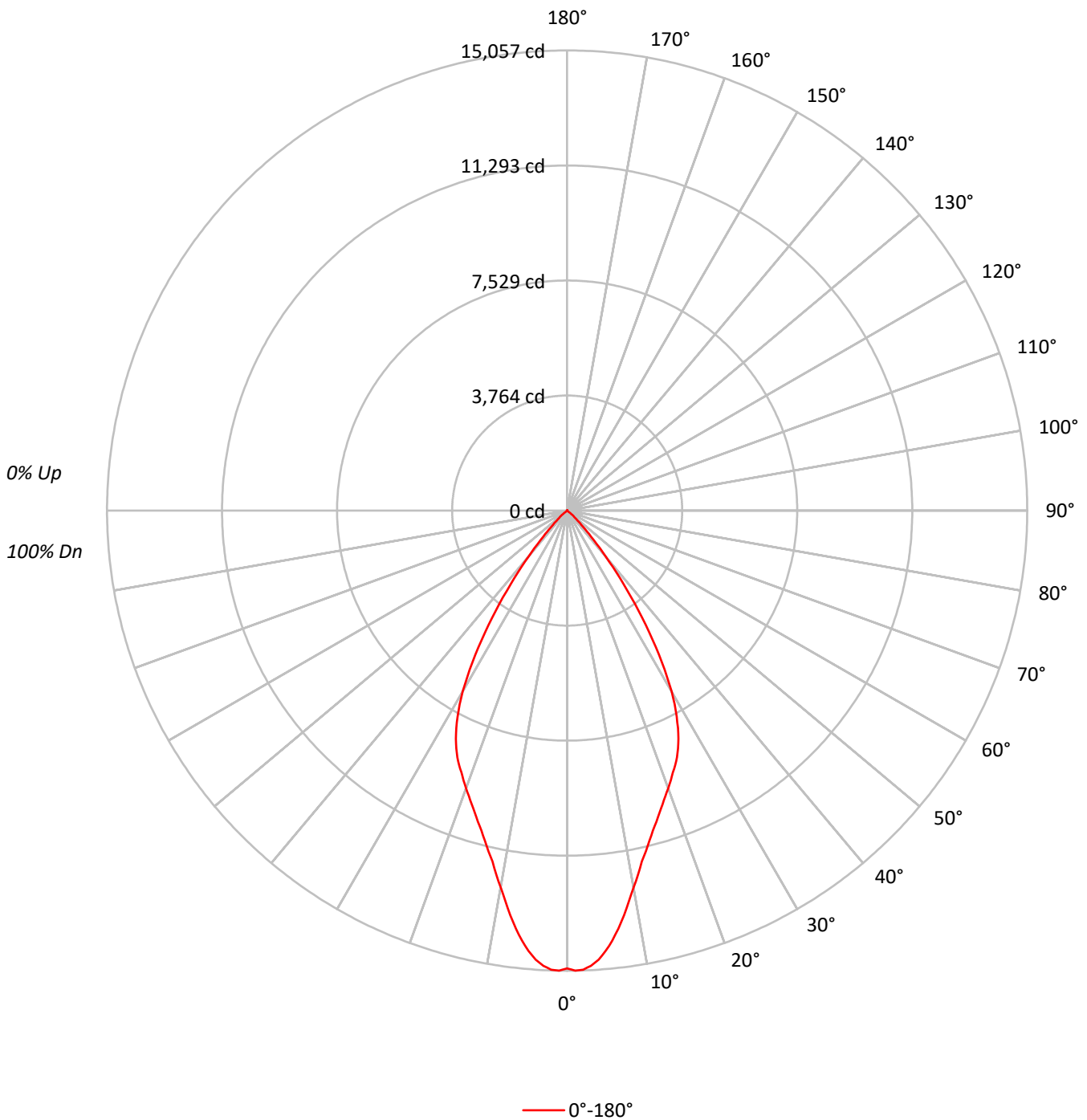
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71
6	88	79	74	69	87	79	73	69	77	72	69	76	71	68	74	71	68	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	70	66	63	62
8	80	70	64	60	79	70	64	60	69	64	60	68	63	60	67	63	60	58
9	76	66	61	57	75	66	60	57	65	60	56	64	60	56	63	59	56	55
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	461888
5°	447767
10°	392155
15°	346217
20°	317252
25°	292117
30°	243133
35°	161490
40°	78596
45°	28464
50°	8563
55°	602
60°	0
65°	409
70°	0
75°	0
80°	994
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1315.6	11.4
10°-20°	3055.4	26.5
20°-30°	3876.2	33.6
30°-40°	2655.5	23.0
40°-50°	605.2	5.2
50°-60°	30.2	0.3
60°-70°	1.4	0.0
70°-80°	2.2	0.0
80°-90°	2.3	0.0
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°	8247.3	71.4
0°-40°	10902.8	94.4
0°-60°	11538.1	99.9
0°-90°	11544.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11544.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14979	
5°	14466	###
15°	10845	3055
25°	8586	3876
35°	4290	2655
45°	653	605
55°	11	30
65°	6	1
75°	0	2
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14978.7
1°	15056.8
2°	15028.8
3°	14917.3
4°	14727.6
5°	14465.5
6°	14147.4
7°	13779.3
8°	13372.0
9°	12936.8
10°	12524.1
11°	12144.7
12°	11737.5
13°	11441.9
14°	11129.4
15°	10845.0
16°	10588.3
17°	10337.2
18°	10102.9
19°	9874.2
20°	9667.8
21°	9455.8
22°	9238.2
23°	9048.6
24°	8836.6
25°	8585.6
26°	8306.6
27°	7983.1
28°	7637.2
29°	7252.3
30°	6828.3
31°	6348.5
32°	5852.0
33°	5333.2
34°	4803.2
35°	4289.9
37.5°	3029.2
40°	1952.5
42.5°	1149.2
45°	652.7
47.5°	351.5
50°	178.5
52.5°	33.4
55°	11.2
57.5°	5.6



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CANDELA DISTRIBUTION (continued):

	0°
60°	0.0
62.5°	0.0
65°	5.6
67.5°	0.0
70°	0.0
72.5°	5.6
75°	0.0
77.5°	0.0
80°	5.6
82.5°	0.0
85°	0.0
87.5°	5.6
90°	0.0

(END OF REPORT)