

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: P250552

Luminaire Tested: **LD8B175D010 ER8B175830 8LBM0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250552
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 ER8B175830 8LBM0B
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 3000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11101.1 lumens
Efficiency: N/A
Efficacy: 62.6 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

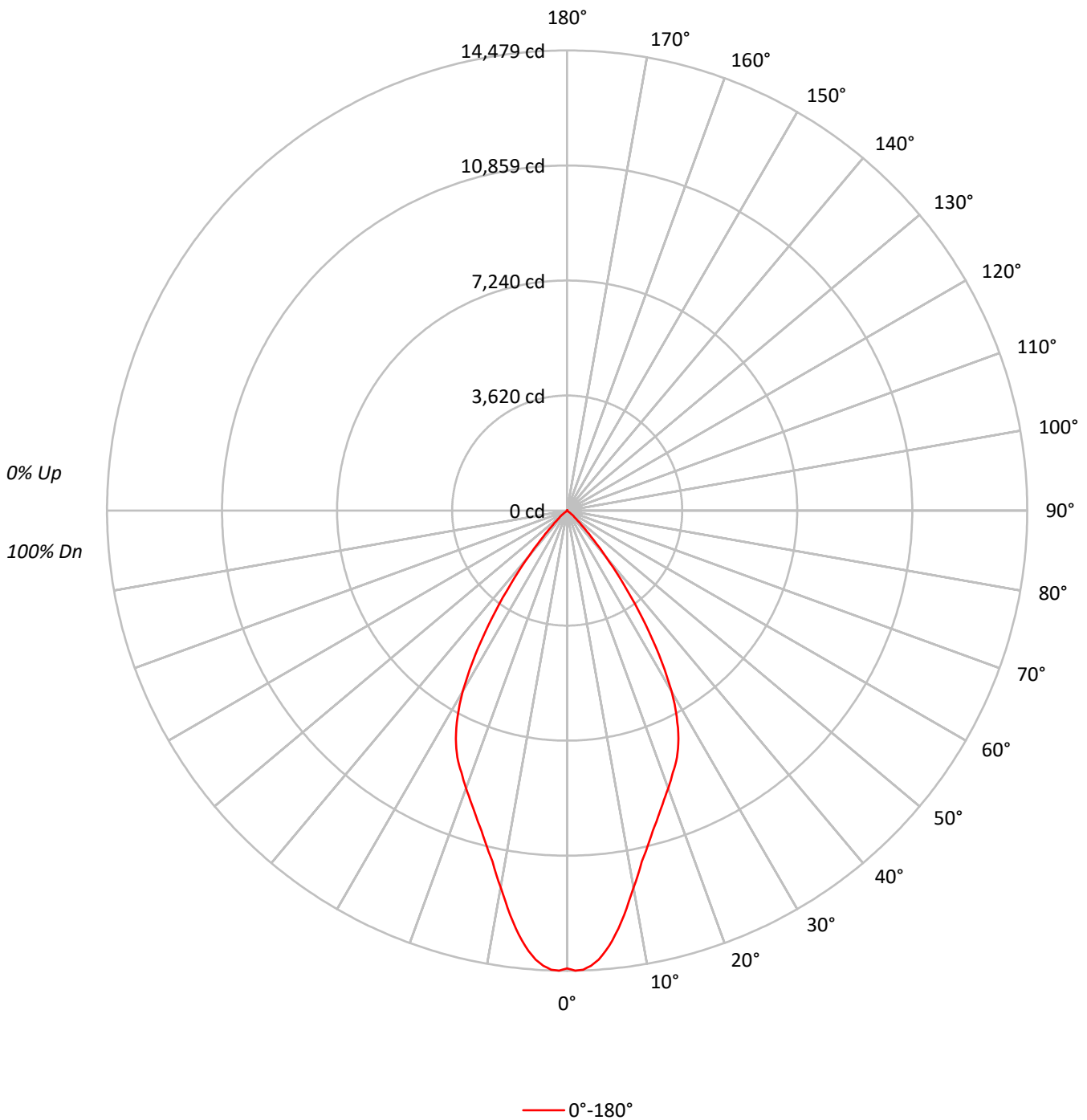
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	444163
5°	430584
10°	377103
15°	332930
20°	305077
25°	280906
30°	233804
35°	155294
40°	75581
45°	27373
50°	8237
55°	581
60°	0
65°	394
70°	0
75°	0
80°	959
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1265.2	11.4
10°-20°	2938.1	26.5
20°-30°	3727.5	33.6
30°-40°	2553.6	23.0
40°-50°	581.9	5.2
50°-60°	29.0	0.3
60°-70°	1.3	0.0
70°-80°	2.1	0.0
80°-90°	2.2	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°	7930.8	71.4
0°-40°	10484.4	94.4
0°-60°	11095.4	99.9
0°-90°	11101.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11101.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14404	
5°	13910	###
15°	10429	2938
25°	8256	3727
35°	4125	2554
45°	628	582
55°	11	29
65°	5	1
75°	0	2
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14403.9
1°	14479.0
2°	14452.1
3°	14344.9
4°	14162.4
5°	13910.4
6°	13604.5
7°	13250.5
8°	12858.8
9°	12440.4
10°	12043.4
11°	11678.7
12°	11287.1
13°	11002.8
14°	10702.3
15°	10428.8
16°	10182.0
17°	9940.5
18°	9715.2
19°	9495.2
20°	9296.8
21°	9092.9
22°	8883.7
23°	8701.4
24°	8497.5
25°	8256.1
26°	7987.8
27°	7676.7
28°	7344.1
29°	6974.0
30°	6566.3
31°	6104.9
32°	5627.5
33°	5128.5
34°	4618.9
35°	4125.3
37.5°	2913.0
40°	1877.6
42.5°	1105.1
45°	627.7
47.5°	338.0
50°	171.7
52.5°	32.2
55°	10.8
57.5°	5.4



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CANDELA DISTRIBUTION (continued):

	0°
60°	0.0
62.5°	0.0
65°	5.4
67.5°	0.0
70°	0.0
72.5°	5.4
75°	0.0
77.5°	0.0
80°	5.4
82.5°	0.0
85°	0.0
87.5°	5.4
90°	0.0

(END OF REPORT)