

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: P248043

Luminaire Tested: **LD8B175D010 ER8B175940 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248043
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13941)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175940 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
90 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15444.0 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

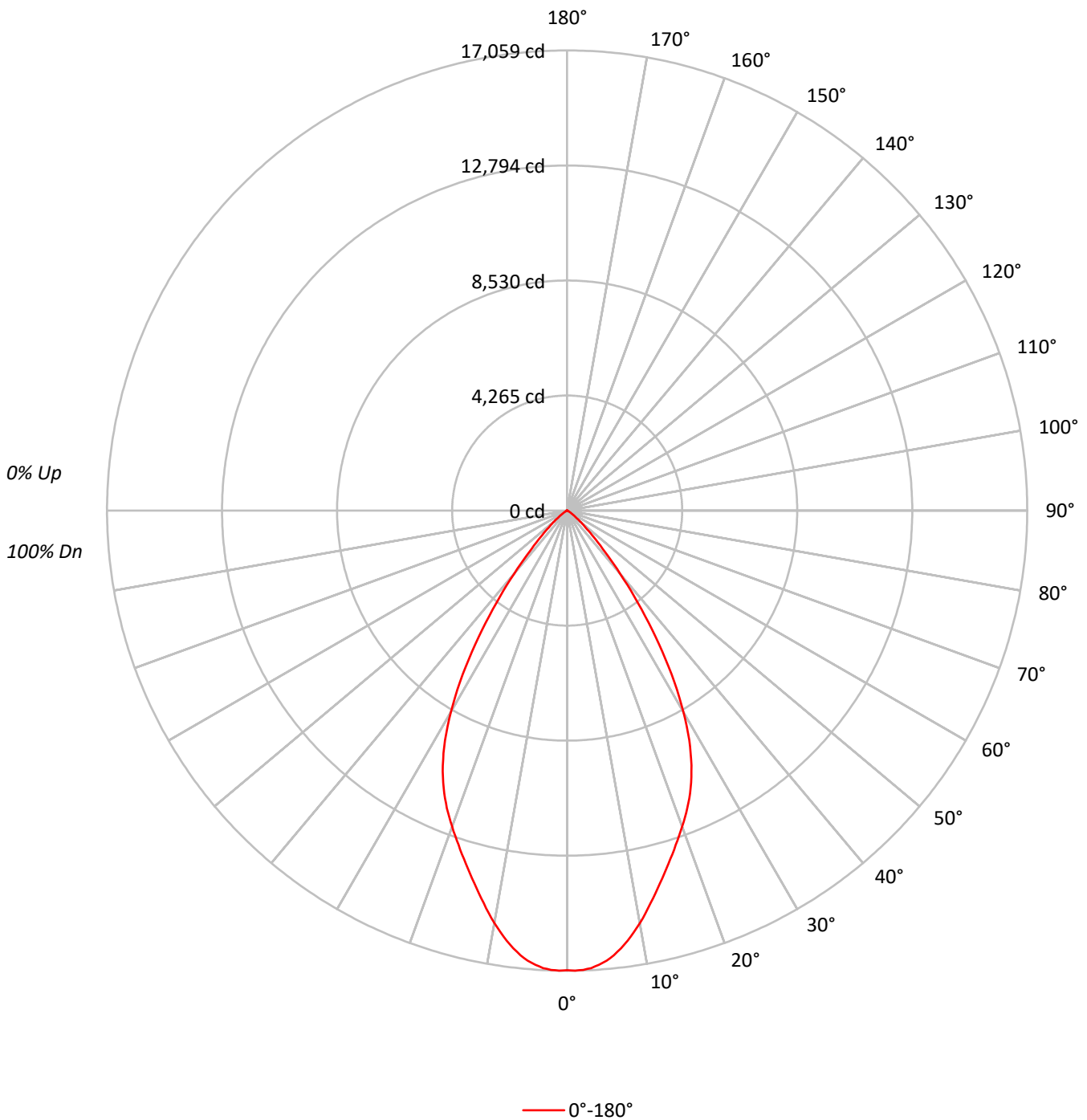
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92		95	92	90		92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84		89	86	83		87	84	82	80
4	97	89	83	79	95	88	82	78	86	81	77		84	80	77		82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72		79	74	71		77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66		74	69	66		73	69	65	64
7	82	73	67	62	81	72	66	62	71	66	62		70	65	61		68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58		66	61	57		65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54		62	57	54		61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51		59	54	51		58	54	50	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	525315
5°	518552
10°	486119
15°	444540
20°	409240
25°	370836
30°	307072
35°	215362
40°	122557
45°	60111
50°	29666
55°	13451
60°	6402
65°	3444
70°	424
75°	560
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1558.9	10.1
10°-20°	3909.0	25.3
20°-30°	4934.5	32.0
30°-40°	3549.8	23.0
40°-50°	1174.9	7.6
50°-60°	255.9	1.7
60°-70°	52.8	0.3
70°-80°	5.6	0.0
80°-90°	2.6	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°	10402.5	67.4
0°-40°	13952.3	90.3
0°-60°	15383.0	99.6
0°-90°	15444.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15444.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17036	
5°	16752	###
15°	13925	3909
25°	10899	4935
35°	5721	3550
45°	1378	1175
55°	250	256
65°	47	53
75°	5	6
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17035.6
1°	17059.2
2°	17040.2
3°	16983.6
4°	16879.8
5°	16752.3
6°	16577.6
7°	16351.2
8°	16100.9
9°	15827.1
10°	15525.0
11°	15218.2
12°	14883.1
13°	14562.1
14°	14236.4
15°	13924.9
16°	13618.0
17°	13325.3
18°	13032.8
19°	12754.2
20°	12471.0
21°	12183.1
22°	11899.9
23°	11593.0
24°	11262.7
25°	10899.2
26°	10516.8
27°	10092.0
28°	9643.6
29°	9143.2
30°	8624.0
31°	8076.4
32°	7500.5
33°	6896.4
34°	6306.3
35°	5721.0
37.5°	4295.5
40°	3044.6
42.5°	2062.8
45°	1378.4
47.5°	925.1
50°	618.4
52.5°	372.9
55°	250.2
57.5°	174.6



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CANDELA DISTRIBUTION (continued):

	0°
60°	103.8
62.5°	70.8
65°	47.2
67.5°	42.5
70°	4.7
72.5°	9.5
75°	4.7
77.5°	4.7
80°	0.0
82.5°	9.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)