

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: P248031

Luminaire Tested: **LD8B175D010 ER8B175850 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248031
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 ER8B175850 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17563.0 lumens
Efficiency: N/A
Efficacy: 99.1 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

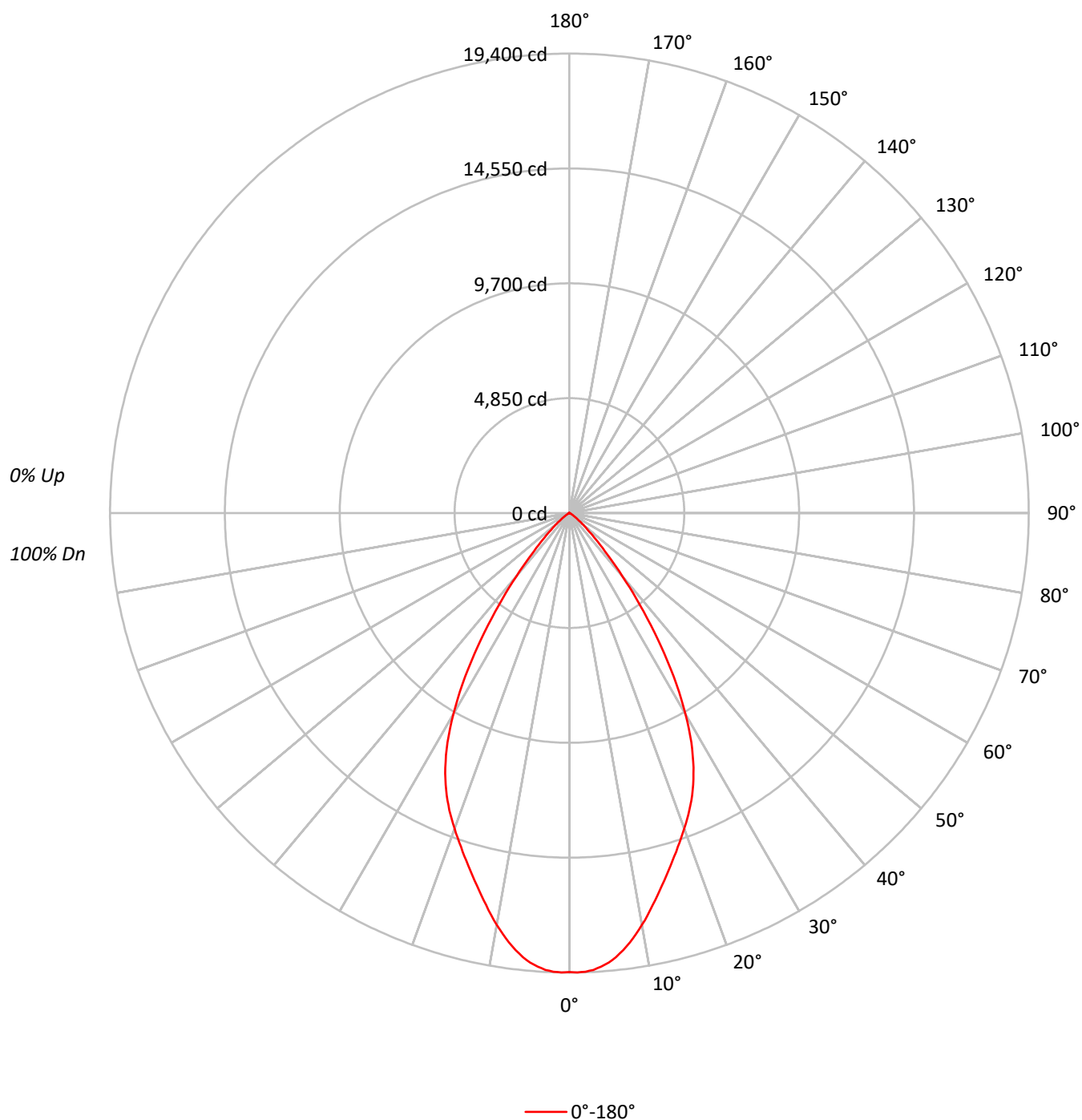
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0		
RW	70	50	30	10		70	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°	597392
5°	589700
10°	552817
15°	505534
20°	465390
25°	421715
30°	349206
35°	244909
40°	139375
45°	68357
50°	33734
55°	15295
60°	7284
65°	3918
70°	487
75°	643
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1772.8	10.1
10°-20°	4445.3	25.3
20°-30°	5611.6	32.0
30°-40°	4036.8	23.0
40°-50°	1336.1	7.6
50°-60°	291.0	1.7
60°-70°	60.0	0.3
70°-80°	6.4	0.0
80°-90°	2.9	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°	11829.8	67.4
0°-40°	15866.6	90.3
0°-60°	17493.7	99.6
0°-90°	17563.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17563.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19373	
5°	19051	###
15°	15836	4445
25°	12395	5612
35°	6506	4037
45°	1568	1336
55°	284	291
65°	54	60
75°	5	6
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19373.0
1°	19399.8
2°	19378.2
3°	19313.9
4°	19195.8
5°	19050.8
6°	18852.2
7°	18594.6
8°	18310.0
9°	17998.7
10°	17655.1
11°	17306.3
12°	16925.1
13°	16560.1
14°	16189.7
15°	15835.5
16°	15486.5
17°	15153.7
18°	14820.9
19°	14504.2
20°	14182.1
21°	13854.6
22°	13532.6
23°	13183.6
24°	12808.0
25°	12394.6
26°	11959.7
27°	11476.7
28°	10966.8
29°	10397.7
30°	9807.3
31°	9184.6
32°	8529.7
33°	7842.6
34°	7171.6
35°	6505.9
37.5°	4884.8
40°	3462.4
42.5°	2345.8
45°	1567.5
47.5°	1052.1
50°	703.2
52.5°	424.1
55°	284.5
57.5°	198.6



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CANDELA DISTRIBUTION (continued):

	0°
60°	118.1
62.5°	80.5
65°	53.7
67.5°	48.3
70°	5.4
72.5°	10.8
75°	5.4
77.5°	5.4
80°	0.0
82.5°	10.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)