

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: P248028

Luminaire Tested: **LD8B175D010 ER8B175840 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248028
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 ER8B175840 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17226.0 lumens
Efficiency: N/A
Efficacy: 97.2 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

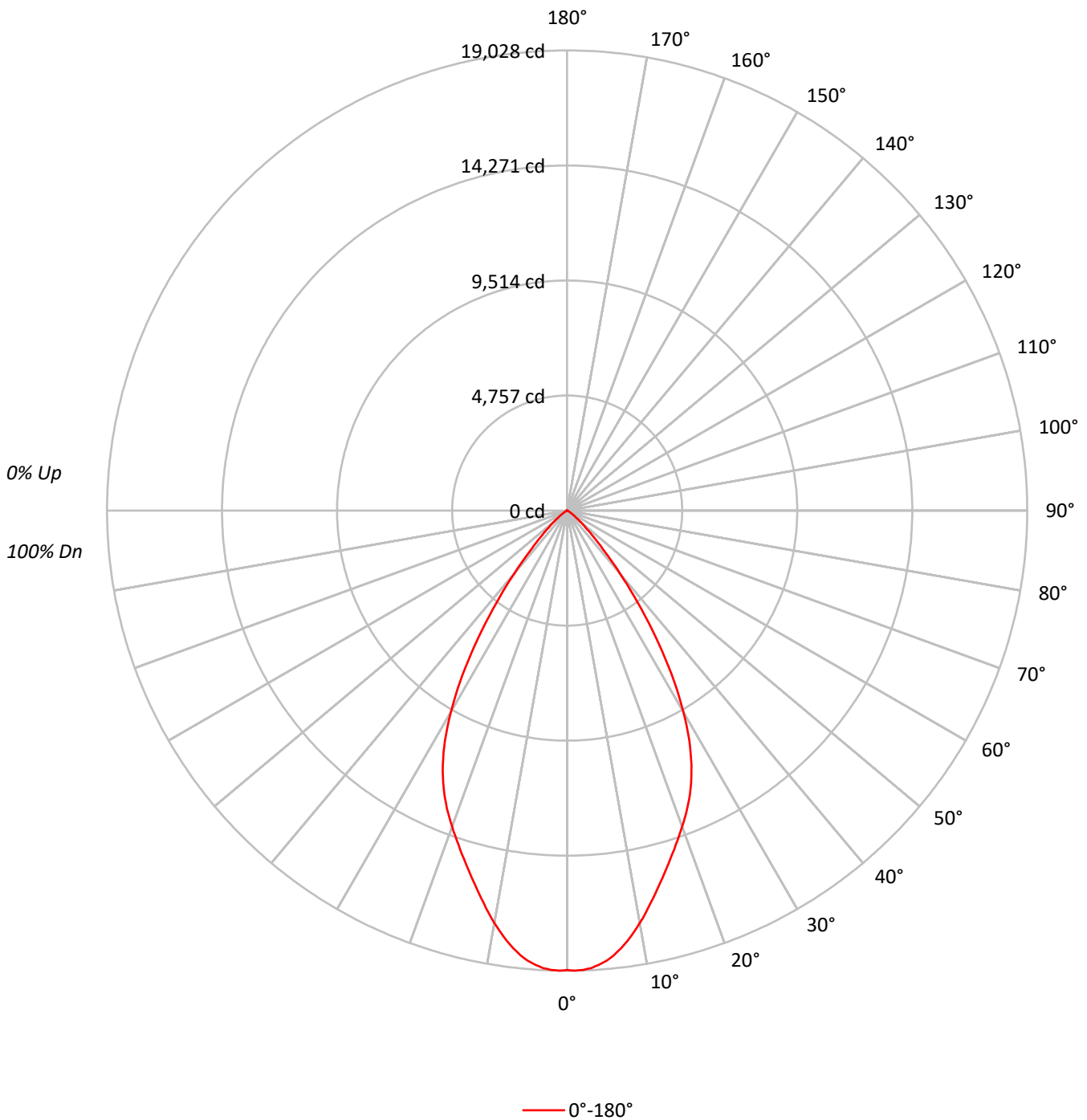
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93					93			
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86					86			
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80					80			
4	97	89	83	79	95	88	82	78	86	81	77	84	80	77	82	78	76	74					74			
5	92	83	77	73	90	82	76	72	80	75	72	79	74	71	77	73	70	69					69			
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64					64			
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60					60			
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56					56			
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52					52			
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49					49			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	585927
5°	578384
10°	542208
15°	495832
20°	456461
25°	413624
30°	342504
35°	240211
40°	136698
45°	67045
50°	33087
55°	14999
60°	7142
65°	3845
70°	478
75°	631
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1738.8	10.1
10°-20°	4360.0	25.3
20°-30°	5503.9	32.0
30°-40°	3959.4	23.0
40°-50°	1310.4	7.6
50°-60°	285.4	1.7
60°-70°	58.9	0.3
70°-80°	6.3	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°	11602.8	67.4
0°-40°	15562.1	90.3
0°-60°	17158.0	99.6
0°-90°	17226.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17226.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19001	
5°	18685	###
15°	15532	4360
25°	12157	5504
35°	6381	3959
45°	1537	1310
55°	279	285
65°	53	59
75°	5	6
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19001.2
1°	19027.5
2°	19006.4
3°	18943.3
4°	18827.5
5°	18685.2
6°	18490.5
7°	18237.8
8°	17958.7
9°	17653.3
10°	17316.3
11°	16974.2
12°	16600.3
13°	16242.3
14°	15879.0
15°	15531.6
16°	15189.3
17°	14862.9
18°	14536.6
19°	14225.8
20°	13910.0
21°	13588.8
22°	13272.9
23°	12930.6
24°	12562.2
25°	12156.8
26°	11730.3
27°	11256.4
28°	10756.3
29°	10198.1
30°	9619.1
31°	9008.3
32°	8366.0
33°	7692.1
34°	7034.0
35°	6381.1
37.5°	4791.1
40°	3395.9
42.5°	2300.8
45°	1537.4
47.5°	1031.9
50°	689.7
52.5°	416.0
55°	279.0
57.5°	194.8



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CANDELA DISTRIBUTION (continued):

	0°
60°	115.8
62.5°	79.0
65°	52.7
67.5°	47.4
70°	5.3
72.5°	10.6
75°	5.3
77.5°	5.3
80°	0.0
82.5°	10.6
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)