

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: P248032

Luminaire Tested: **LD8B200D010 ER8B200850 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248032
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: LD8B200D010 ER8B200850 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: 20702.0 lumens
Efficiency: N/A
Efficacy: 92.7 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

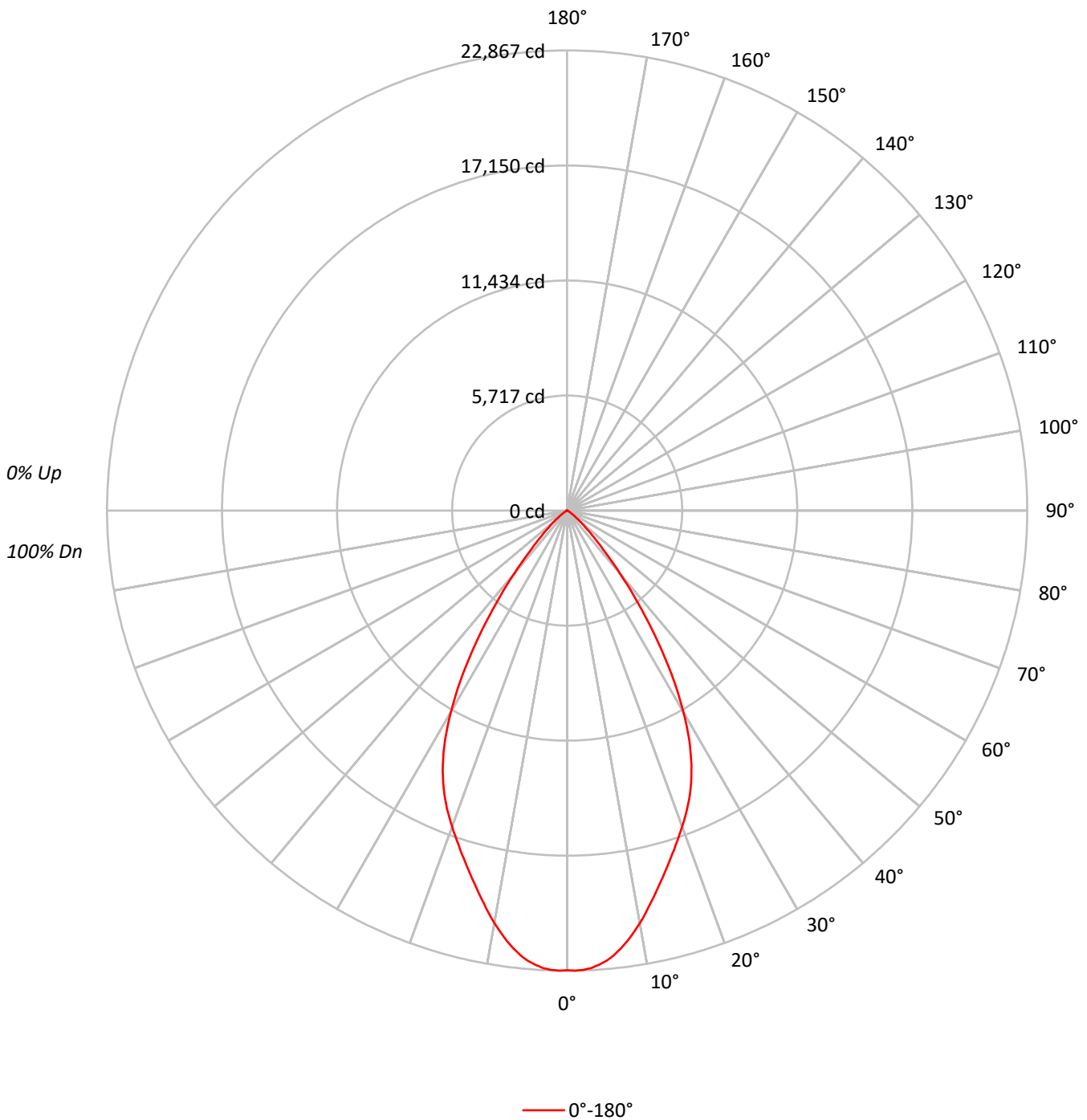
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	704163
5°	695096
10°	651622
15°	595886
20°	548567
25°	497089
30°	411617
35°	288682
40°	164284
45°	80572
50°	39765
55°	18026
60°	8585
65°	4619
70°	568
75°	751
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2089.7	10.1
10°-20°	5239.8	25.3
20°-30°	6614.5	32.0
30°-40°	4758.3	23.0
40°-50°	1574.9	7.6
50°-60°	343.0	1.7
60°-70°	70.8	0.3
70°-80°	7.5	0.0
80°-90°	3.5	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°	13944.1	67.4
0°-40°	18702.4	90.3
0°-60°	20620.3	99.6
0°-90°	20702.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20702.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22836	
5°	22456	###
15°	18666	5240
25°	14610	6615
35°	7669	4758
45°	1848	1575
55°	335	343
65°	63	71
75°	6	7
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	22835.5
1°	22867.0
2°	22841.7
3°	22765.8
4°	22626.6
5°	22455.7
6°	22221.6
7°	21918.0
8°	21582.5
9°	21215.6
10°	20810.6
11°	20399.4
12°	19950.1
13°	19519.8
14°	19083.3
15°	18665.7
16°	18254.3
17°	17862.0
18°	17469.9
19°	17096.4
20°	16716.8
21°	16330.9
22°	15951.2
23°	15539.9
24°	15097.1
25°	14609.9
26°	14097.3
27°	13527.8
28°	12926.8
29°	12256.0
30°	11560.1
31°	10826.1
32°	10054.2
33°	9244.3
34°	8453.3
35°	7668.7
37.5°	5757.9
40°	4081.2
42.5°	2765.1
45°	1847.6
47.5°	1240.1
50°	828.9
52.5°	499.9
55°	335.3
57.5°	234.1



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CANDELA DISTRIBUTION (continued):

	0°
60°	139.2
62.5°	94.9
65°	63.3
67.5°	57.0
70°	6.3
72.5°	12.7
75°	6.3
77.5°	6.3
80°	0.0
82.5°	12.7
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)