

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: P250728

Luminaire Tested: **LD8B200D010 ER8B200835 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250728
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13935)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200835 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21400.9 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

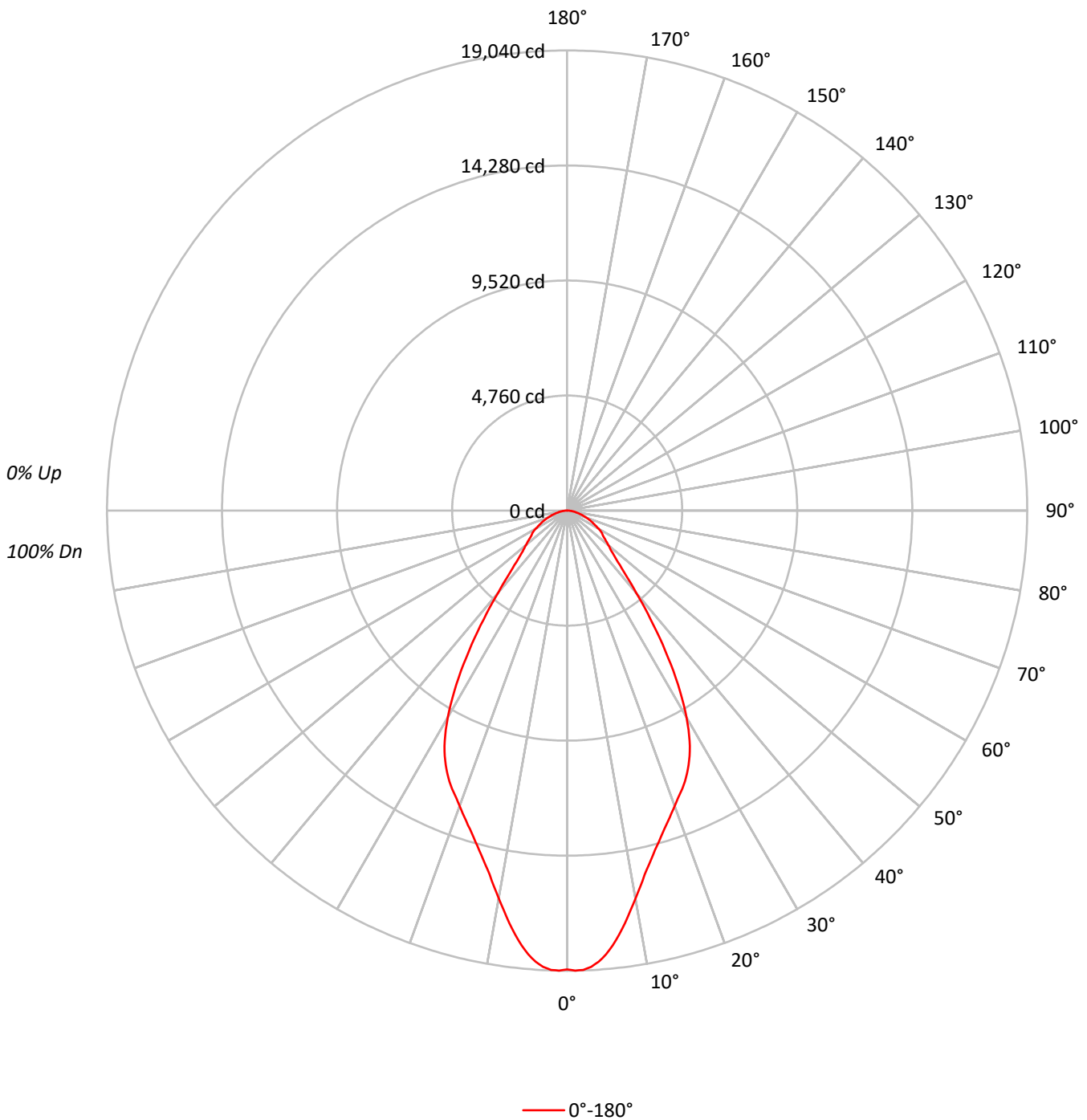
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89					89			
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80					80			
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	71					71			
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65					65			
5	85	75	68	63	83	74	67	62	72	66	62	70	65	61	69	64	60	59					59			
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54					54			
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49					49			
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46					46			
9	67	56	49	44	66	56	49	44	54	48	44	54	48	44	53	48	44	42					42			
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39					39			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	585390
5°	570565
10°	510085
15°	458385
20°	426885
25°	402162
30°	351641
35°	266408
40°	178953
45°	126096
50°	106931
55°	97534
60°	92404
65°	83129
70°	74796
75°	67125
80°	59383
85°	56963



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1687.1	7.9
10°-20°	4049.3	18.9
20°-30°	5366.1	25.1
30°-40°	4400.3	20.6
40°-50°	2343.6	11.0
50°-60°	1649.5	7.7
60°-70°	1137.5	5.3
70°-80°	592.4	2.8
80°-90°	175.2	0.8
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°	11102.6	51.9
0°-40°	15502.9	72.4
0°-60°	19495.9	91.1
0°-90°	21400.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21400.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18984	
5°	18433	###
15°	14359	4049
25°	11820	5366
35°	7077	4400
45°	2892	2344
55°	1814	1649
65°	1139	1137
75°	563	592
85°	161	175
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	18983.8
1°	19039.5
2°	19014.7
3°	18903.2
4°	18711.4
5°	18432.6
6°	18086.0
7°	17671.2
8°	17225.3
9°	16748.5
10°	16290.4
11°	15850.7
12°	15404.9
13°	15033.4
14°	14680.6
15°	14358.6
16°	14055.2
17°	13776.6
18°	13516.4
19°	13256.5
20°	13008.7
21°	12767.3
22°	12556.8
23°	12340.0
24°	12086.3
25°	11819.9
26°	11516.6
27°	11176.0
28°	10792.1
29°	10364.9
30°	9875.7
31°	9361.8
32°	8823.2
33°	8247.4
34°	7671.5
35°	7077.0
37.5°	5671.6
40°	4445.6
42.5°	3510.7
45°	2891.5
47.5°	2482.9
50°	2229.0
52.5°	2006.2
55°	1814.2
57.5°	1696.5



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CANDELA DISTRIBUTION (continued):

	0°
60°	1498.3
62.5°	1306.4
65°	1139.3
67.5°	990.7
70°	829.6
72.5°	693.4
75°	563.4
77.5°	408.6
80°	334.4
82.5°	241.5
85°	161.0
87.5°	74.2
90°	0.0

(END OF REPORT)