

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: P250770

Luminaire Tested: **LD8B200D010 ER8B200940 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250770
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 ER8B200940 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
90 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19060.9 lumens
Efficiency: N/A
Efficacy: 85.4 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

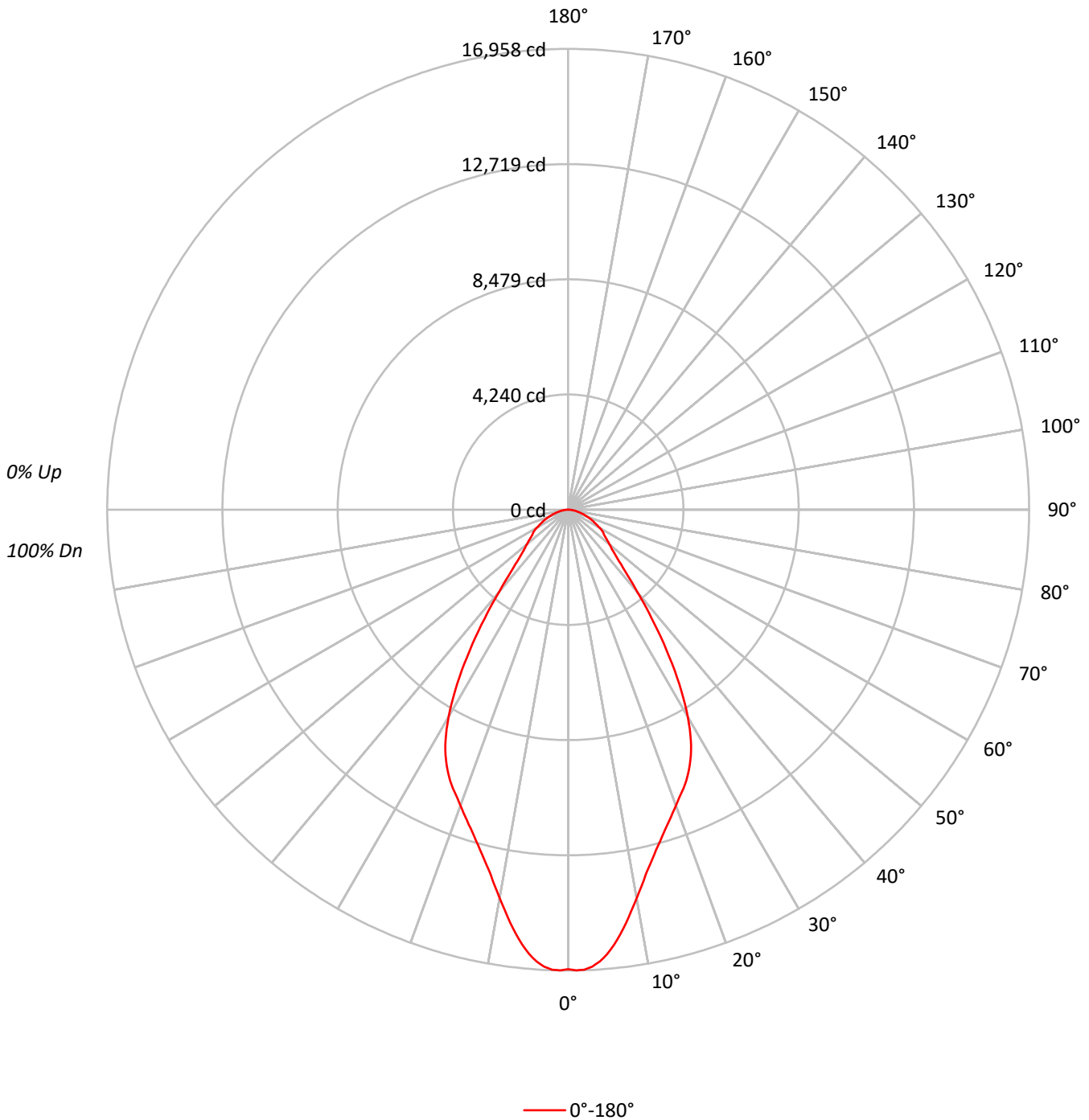
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	521383
5°	508180
10°	454312
15°	408265
20°	380211
25°	358189
30°	313193
35°	237279
40°	159386
45°	112311
50°	95240
55°	86868
60°	82302
65°	74038
70°	66619
75°	59786
80°	52883
85°	50736



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1502.7	7.9
10°-20°	3606.6	18.9
20°-30°	4779.4	25.1
30°-40°	3919.1	20.6
40°-50°	2087.4	11.0
50°-60°	1469.1	7.7
60°-70°	1013.1	5.3
70°-80°	527.6	2.8
80°-90°	156.0	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°	9888.6	51.9
0°-40°	13807.8	72.4
0°-60°	17364.2	91.1
0°-90°	19060.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19060.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16908	
5°	16417	###
15°	12789	3607
25°	10528	4779
35°	6303	3919
45°	2575	2087
55°	1616	1469
65°	1015	1013
75°	502	528
85°	143	156
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	16908.1
1°	16957.7
2°	16935.6
3°	16836.3
4°	16665.5
5°	16417.2
6°	16108.5
7°	15739.0
8°	15341.9
9°	14917.2
10°	14509.2
11°	14117.6
12°	13720.5
13°	13389.6
14°	13075.4
15°	12788.6
16°	12518.4
17°	12270.2
18°	12038.5
19°	11807.0
20°	11586.4
21°	11371.3
22°	11183.8
23°	10990.8
24°	10764.7
25°	10527.5
26°	10257.4
27°	9954.0
28°	9612.1
29°	9231.6
30°	8795.9
31°	8338.2
32°	7858.5
33°	7345.6
34°	6832.7
35°	6303.2
37.5°	5051.4
40°	3959.5
42.5°	3126.9
45°	2575.4
47.5°	2211.5
50°	1985.3
52.5°	1786.8
55°	1615.8
57.5°	1511.0



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CANDELA DISTRIBUTION (continued):

	0°
60°	1334.5
62.5°	1163.6
65°	1014.7
67.5°	882.3
70°	738.9
72.5°	617.6
75°	501.8
77.5°	363.9
80°	297.8
82.5°	215.1
85°	143.4
87.5°	66.1
90°	0.0

(END OF REPORT)