

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: P248050

Luminaire Tested: **LD8B200D010 ER8B200927 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248050
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 ER8B200927 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16010.0 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

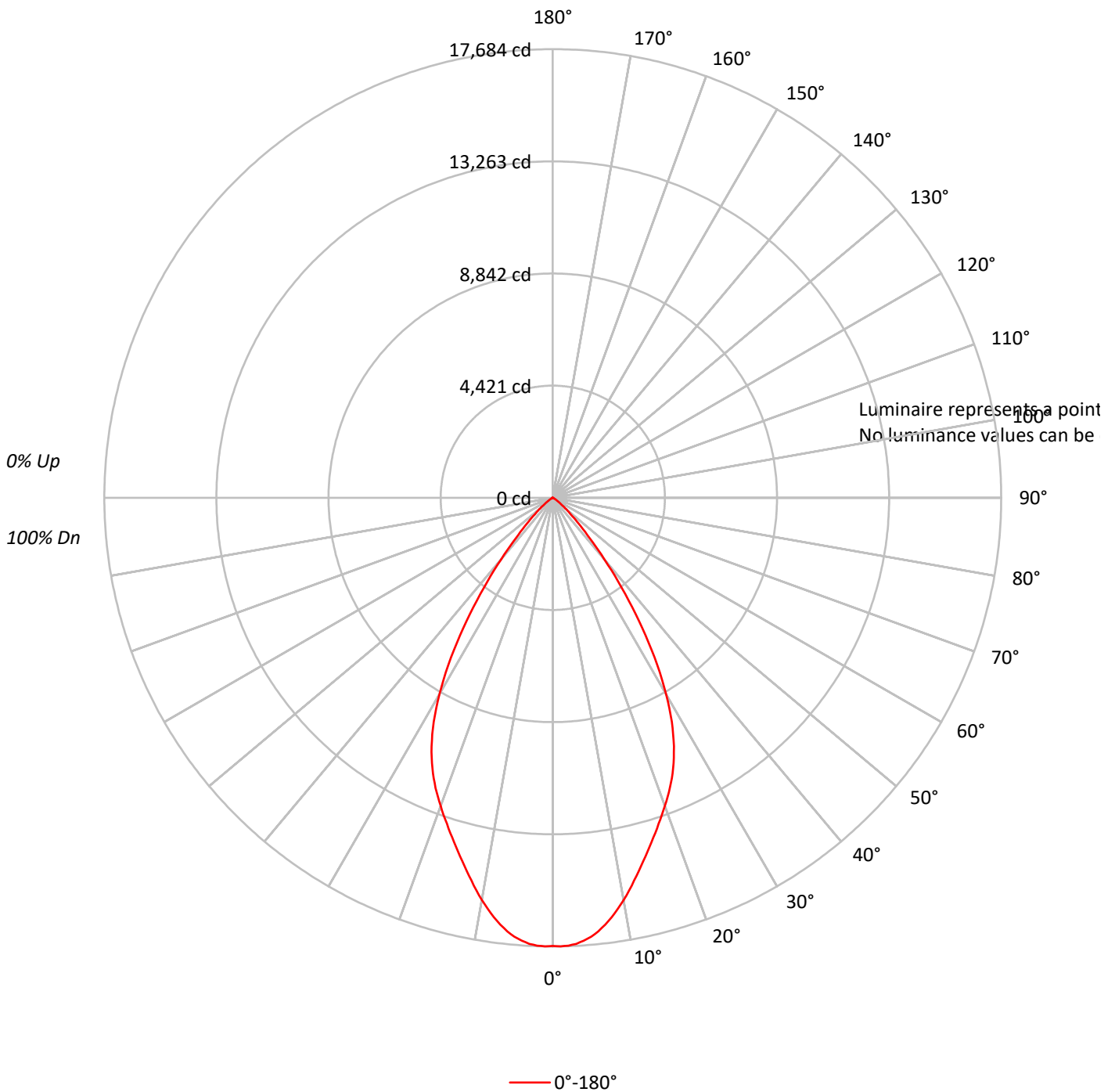
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1616.1	10.1
10°-20°	4052.2	25.3
20°-30°	5115.3	32.0
30°-40°	3679.9	23.0
40°-50°	1218.0	7.6
50°-60°	265.3	1.7
60°-70°	54.7	0.3
70°-80°	5.9	0.0
80°-90°	2.7	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°	10783.6	67.4
0°-40°	14463.5	90.3
0°-60°	15946.7	99.6
0°-90°	16010.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16010.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17660	
5°	17366	###
15°	14435	4052
25°	11298	5115
35°	5931	3680
45°	1429	1218
55°	259	265
65°	49	55
75°	5	6
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	17659.8
1°	17684.2
2°	17664.5
3°	17605.9
4°	17498.2
5°	17366.1
6°	17185.0
7°	16950.3
8°	16690.8
9°	16407.0
10°	16093.8
11°	15775.9
12°	15428.4
13°	15095.7
14°	14758.0
15°	14435.1
16°	14117.0
17°	13813.5
18°	13510.4
19°	13221.6
20°	12927.9
21°	12629.5
22°	12335.8
23°	12017.8
24°	11675.4
25°	11298.5
26°	10902.2
27°	10461.7
28°	9997.0
29°	9478.1
30°	8940.0
31°	8372.4
32°	7775.3
33°	7149.0
34°	6537.4
35°	5930.6
37.5°	4452.9
40°	3156.2
42.5°	2138.4
45°	1428.9
47.5°	959.1
50°	641.0
52.5°	386.6
55°	259.3
57.5°	181.0



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CANDELA DISTRIBUTION (continued):

	0°
60°	107.7
62.5°	73.4
65°	48.9
67.5°	44.1
70°	5.0
72.5°	9.8
75°	5.0
77.5°	5.0
80°	0.0
82.5°	9.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)