

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: P246744

Luminaire Tested: **LD8B10D010 ER8B10930 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246744
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201674)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B10D010 ER8B10930 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 933.9 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

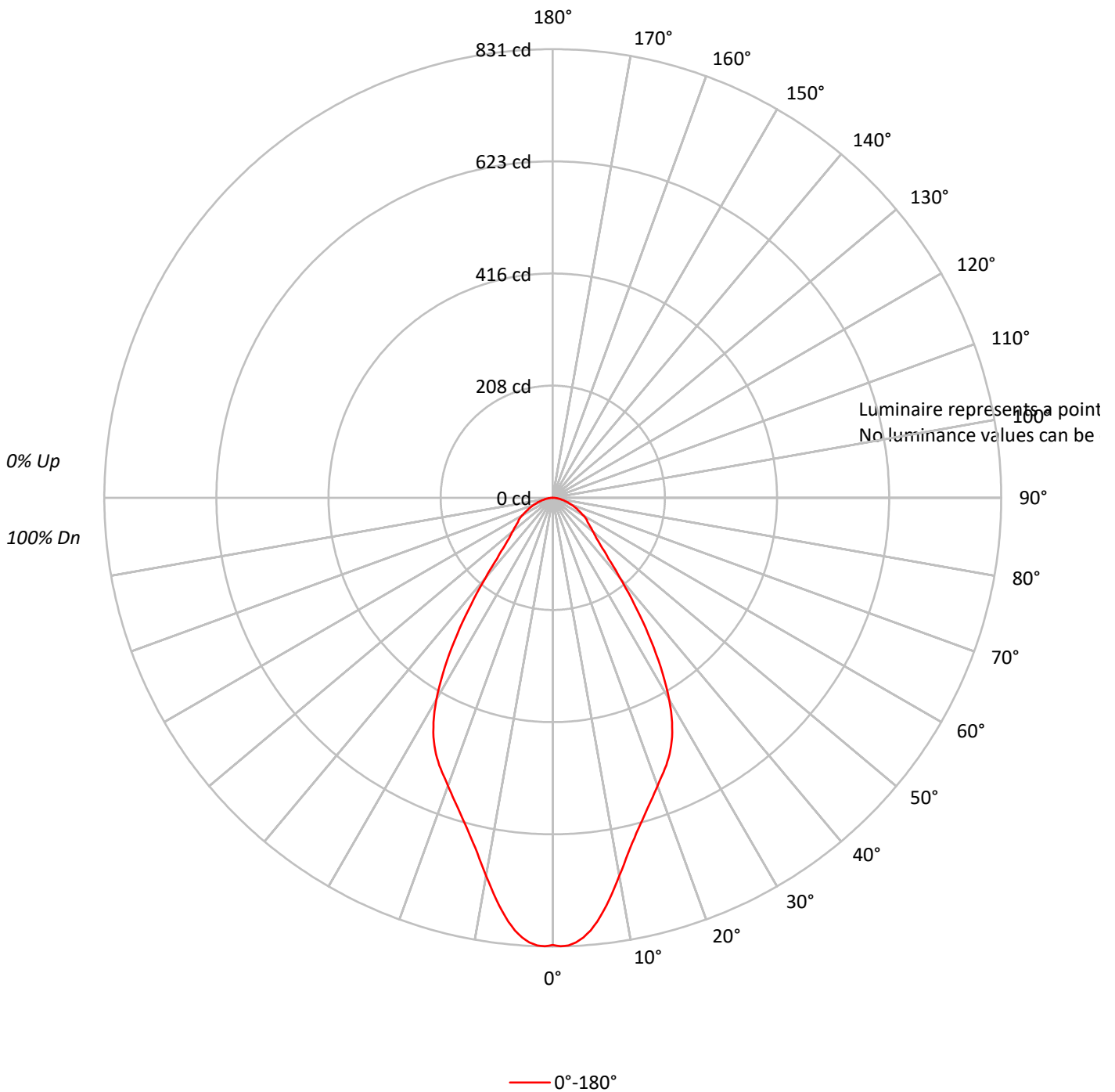
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	74		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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.6	7.9
10°-20°	176.7	18.9
20°-30°	234.1	25.1
30°-40°	192.0	20.6
40°-50°	102.3	10.9
50°-60°	72.0	7.7
60°-70°	49.7	5.3
70°-80°	25.9	2.8
80°-90°	7.7	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°	484.4	51.9
0°-40°	676.4	72.4
0°-60°	850.6	91.1
0°-90°	933.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	933.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	828	
5°	804	74
15°	626	177
25°	516	234
35°	309	192
45°	126	102
55°	79	72
65°	50	50
75°	25	26
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	828.3
1°	830.7
2°	829.7
3°	824.8
4°	816.4
5°	804.3
6°	789.2
7°	771.0
8°	751.5
9°	730.8
10°	710.8
11°	691.7
12°	672.2
13°	655.9
14°	640.5
15°	626.5
16°	613.3
17°	601.1
18°	589.8
19°	578.4
20°	567.6
21°	557.0
22°	547.8
23°	538.4
24°	527.3
25°	515.8
26°	502.5
27°	487.6
28°	470.8
29°	452.2
30°	430.9
31°	408.5
32°	385.0
33°	359.8
34°	334.6
35°	308.8
37.5°	247.4
40°	193.9
42.5°	153.1
45°	126.2
47.5°	108.4
50°	97.3
52.5°	87.6
55°	79.1
57.5°	74.0



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CANDELA DISTRIBUTION (continued):

	0°
60°	65.4
62.5°	57.1
65°	49.8
67.5°	43.3
70°	36.2
72.5°	30.3
75°	24.7
77.5°	17.8
80°	14.6
82.5°	10.5
85°	7.1
87.5°	3.3
90°	0.0

(END OF REPORT)