

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: P244380

Luminaire Tested: **LD8B10D010 ER8B10830 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244380
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27951)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B10D010 ER8B10830 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1066.0 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

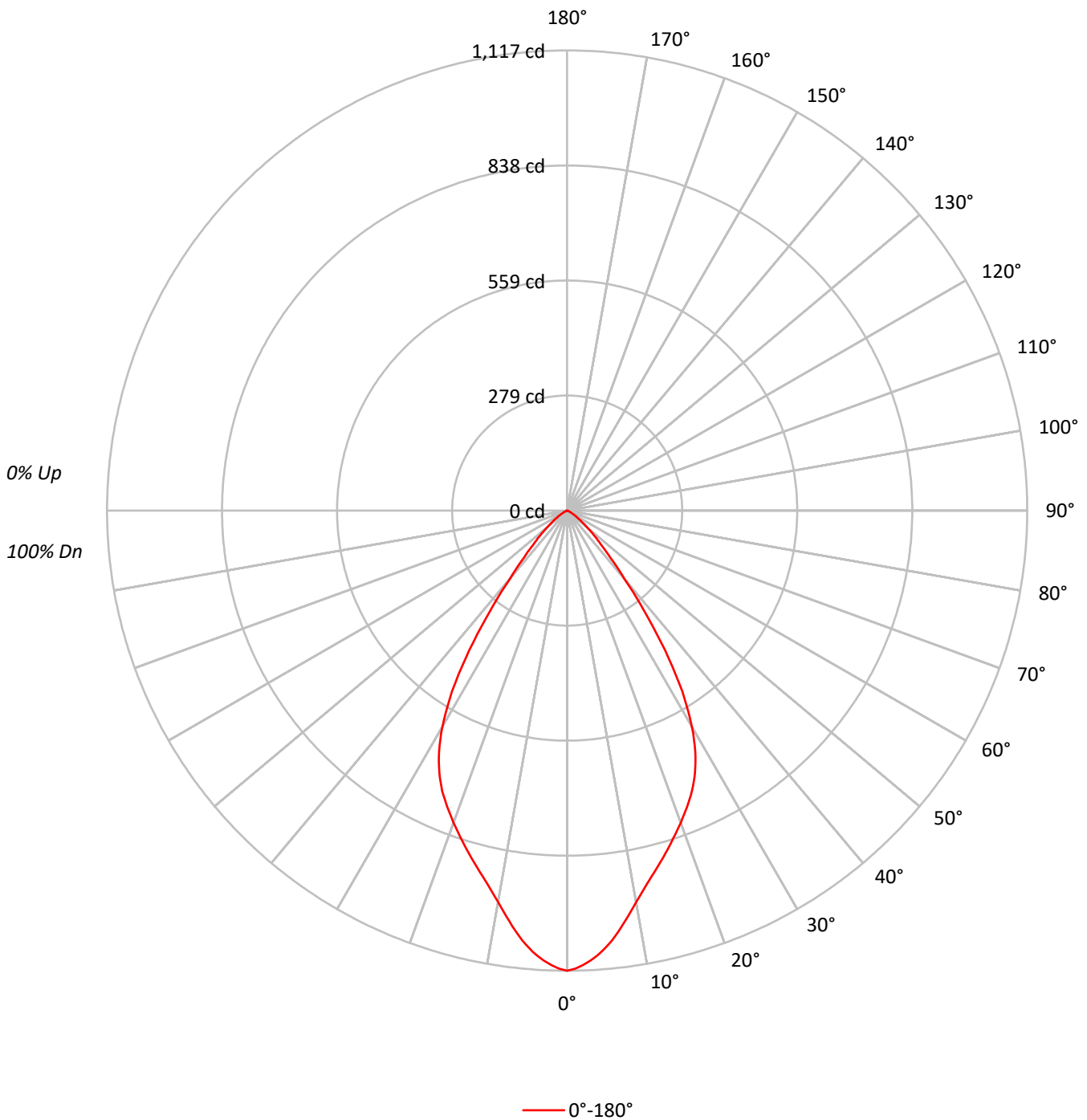
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	82		86	83	80	79
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		80	77	74	73
5	90	82	75	71	89	81	75	70	79	74	70		77	73	69		75	72	69	67
6	85	76	70	65	84	75	69	65	74	68	64		72	68	64		71	67	64	62
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67	62	59	58
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59	55	51	50
10	69	59	53	49	68	58	53	49	58	52	48		57	52	48		56	51	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34444
5°	32985
10°	30222
15°	28122
20°	26452
25°	24749
30°	21581
35°	15600
40°	8743
45°	5032
50°	3080
55°	1753
60°	913
65°	467
70°	252
75°	155
80°	89
85°	106



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.4	9.2
10°-20°	247.6	23.2
20°-30°	330.4	31.0
30°-40°	254.7	23.9
40°-50°	95.0	8.9
50°-60°	31.1	2.9
60°-70°	7.2	0.7
70°-80°	1.5	0.1
80°-90°	0.2	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°	676.5	63.5
0°-40°	931.2	87.3
0°-60°	1057.2	99.2
0°-90°	1066.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1066.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1117	
5°	1066	98
15°	881	248
25°	727	330
35°	414	255
45°	115	95
55°	33	31
65°	6	7
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1117.0
1°	1112.2
2°	1104.0
3°	1093.6
4°	1080.9
5°	1065.6
6°	1048.3
7°	1028.4
8°	1007.3
9°	985.4
10°	965.2
11°	945.9
12°	927.8
13°	911.2
14°	896.0
15°	880.9
16°	865.7
17°	850.9
18°	835.6
19°	820.6
20°	806.1
21°	791.0
22°	776.5
23°	761.2
24°	745.2
25°	727.4
26°	707.8
27°	686.1
28°	662.2
29°	635.4
30°	606.1
32.5°	520.3
35°	414.4
37.5°	306.9
40°	217.2
42.5°	155.6
45°	115.4
47.5°	86.8
50°	64.2
52.5°	45.8
55°	32.6
57.5°	22.4
60°	14.8
62.5°	9.7
65°	6.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.3
70°	2.8
72.5°	1.8
75°	1.3
77.5°	0.8
80°	0.5
82.5°	0.3
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)