

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: P244392

Luminaire Tested: **LD8B10D010 ER8B10840 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244392
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 ER8B10840 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1101.0 lumens
Efficiency: N/A
Efficacy: 107.9 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

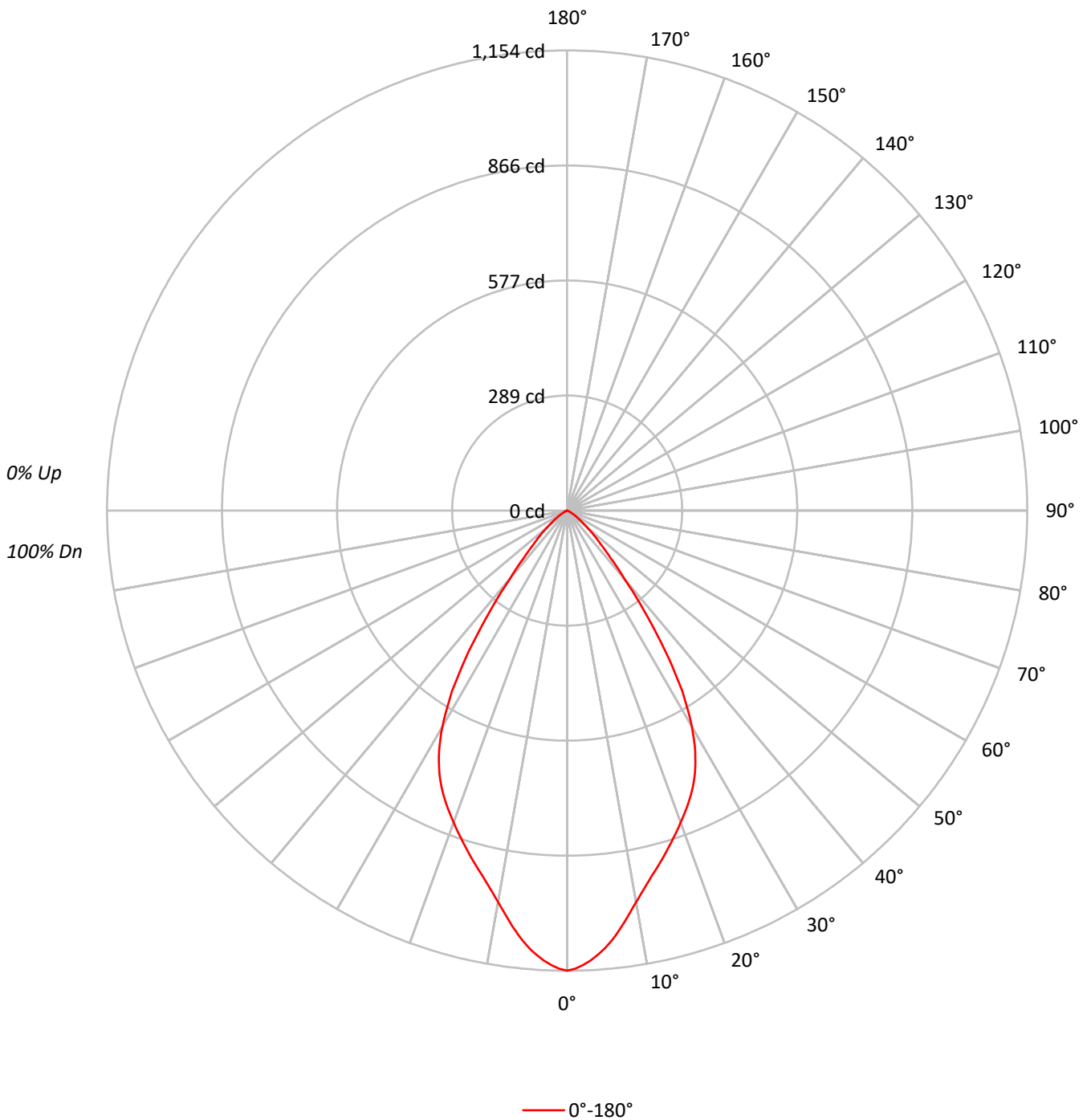
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244392

CATALOG NUMBER: LD8B10D010 ER8B10840 8LBM0H

Luminous Intensity Polar Plot





TEST NUMBER: P244392

CATALOG NUMBER: LD8B10D010 ER8B10840 8LBM0H

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°	35576
5°	34068
10°	31215
15°	29048
20°	27319
25°	25559
30°	22290
35°	16112
40°	9033
45°	5198
50°	3181
55°	1812
60°	944
65°	482
70°	261
75°	155
80°	89
85°	106



TEST NUMBER: P244392

CATALOG NUMBER: LD8B10D010 ER8B10840 8LBM0H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.6	9.2
10°-20°	255.8	23.2
20°-30°	341.3	31.0
30°-40°	263.1	23.9
40°-50°	98.1	8.9
50°-60°	32.1	2.9
60°-70°	7.4	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°	698.7	63.5
0°-40°	961.7	87.3
0°-60°	1091.9	99.2
0°-90°	1101.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1101.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1154	
5°	1101	102
15°	910	256
25°	751	341
35°	428	263
45°	119	98
55°	34	32
65°	7	7
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P244392

CATALOG NUMBER: LD8B10D010 ER8B10840 8LBM0H

CANDELA DISTRIBUTION (FULL):

0°	
0°	1153.7
1°	1148.7
2°	1140.3
3°	1129.5
4°	1116.3
5°	1100.6
6°	1082.7
7°	1062.2
8°	1040.3
9°	1017.7
10°	996.9
11°	976.9
12°	958.3
13°	941.2
14°	925.4
15°	909.9
16°	894.1
17°	878.8
18°	863.0
19°	847.5
20°	832.5
21°	817.0
22°	802.0
23°	786.2
24°	769.7
25°	751.2
26°	731.0
27°	708.6
28°	683.9
29°	656.3
30°	626.0
32.5°	537.4
35°	428.0
37.5°	317.0
40°	224.4
42.5°	160.7
45°	119.2
47.5°	89.7
50°	66.3
52.5°	47.3
55°	33.7
57.5°	23.1
60°	15.3
62.5°	10.0
65°	6.6



TEST NUMBER: P244392

CATALOG NUMBER: LD8B10D010 ER8B10840 8LBM0H

CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.5
70°	2.9
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)