

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: P244393

Luminaire Tested: **LD8B15D010 ER8B15840 8LBM0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244393  
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: LD8B15D010 ER8B15840 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: 1492.1 lumens  
Efficiency: N/A  
Efficacy: 103.6 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

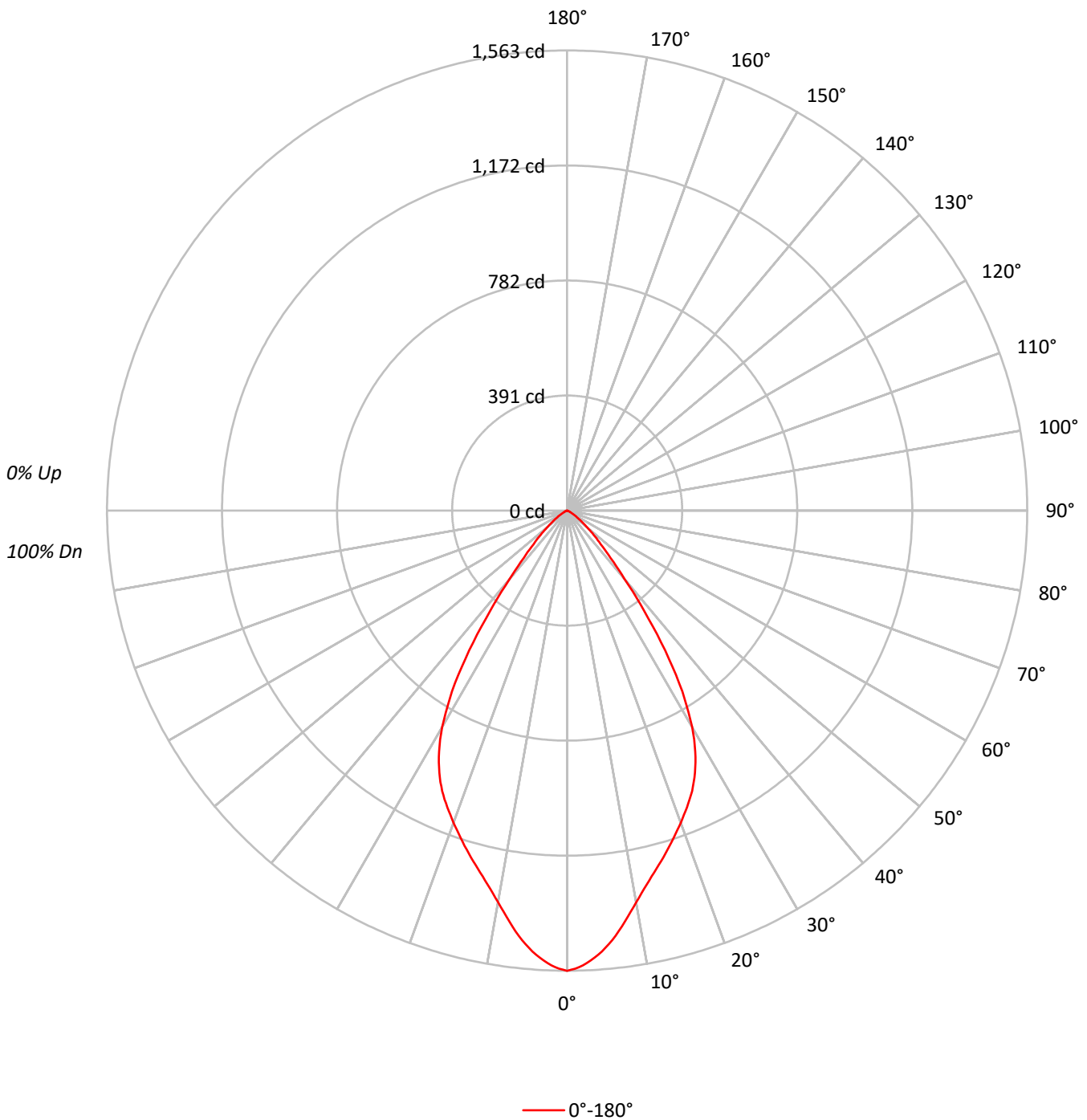
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P244393

CATALOG NUMBER: LD8B15D010 ER8B15840 8LBM0H

### Luminous Intensity Polar Plot





TEST NUMBER: P244393

CATALOG NUMBER: LD8B15D010 ER8B15840 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°	48209
5°	46165
10°	42303
15°	39362
20°	37022
25°	34637
30°	30209
35°	21834
40°	12241
45°	7043
50°	4308
55°	2452
60°	1277
65°	649
70°	352
75°	214
80°	124
85°	142



TEST NUMBER: P244393

CATALOG NUMBER: LD8B15D010 ER8B15840 8LBM0H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.7	9.2
10°-20°	346.6	23.2
20°-30°	462.5	31.0
30°-40°	356.5	23.9
40°-50°	132.9	8.9
50°-60°	43.5	2.9
60°-70°	10.0	0.7
70°-80°	2.0	0.1
80°-90°	0.3	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°	946.8	63.5
0°-40°	1303.3	87.3
0°-60°	1479.7	99.2
0°-90°	1492.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1492.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1563	
5°	1491	138
15°	1233	347
25°	1018	462
35°	580	356
45°	162	133
55°	46	43
65°	9	10
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P244393

CATALOG NUMBER: LD8B15D010 ER8B15840 8LBM0H

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1563.4
1°	1556.6
2°	1545.2
3°	1530.6
4°	1512.8
5°	1491.4
6°	1467.2
7°	1439.4
8°	1409.8
9°	1379.1
10°	1351.0
11°	1323.9
12°	1298.6
13°	1275.4
14°	1254.0
15°	1233.0
16°	1211.6
17°	1190.9
18°	1169.5
19°	1148.5
20°	1128.2
21°	1107.2
22°	1086.8
23°	1065.4
24°	1043.0
25°	1018.0
26°	990.6
27°	960.3
28°	926.8
29°	889.4
30°	848.4
32.5°	728.2
35°	580.0
37.5°	429.5
40°	304.1
42.5°	217.8
45°	161.5
47.5°	121.6
50°	89.8
52.5°	64.2
55°	45.6
57.5°	31.4
60°	20.7
62.5°	13.5
65°	8.9



TEST NUMBER: P244393

CATALOG NUMBER: LD8B15D010 ER8B15840 8LBM0H

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	6.1
70°	3.9
72.5°	2.5
75°	1.8
77.5°	1.1
80°	0.7
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)