

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: P244387

Luminaire Tested: **LD8B15D010 ER8B15835 8LBM0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244387  
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 ER8B15835 8LBM0H  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1502.0 lumens  
Efficiency: N/A  
Efficacy: 104.3 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

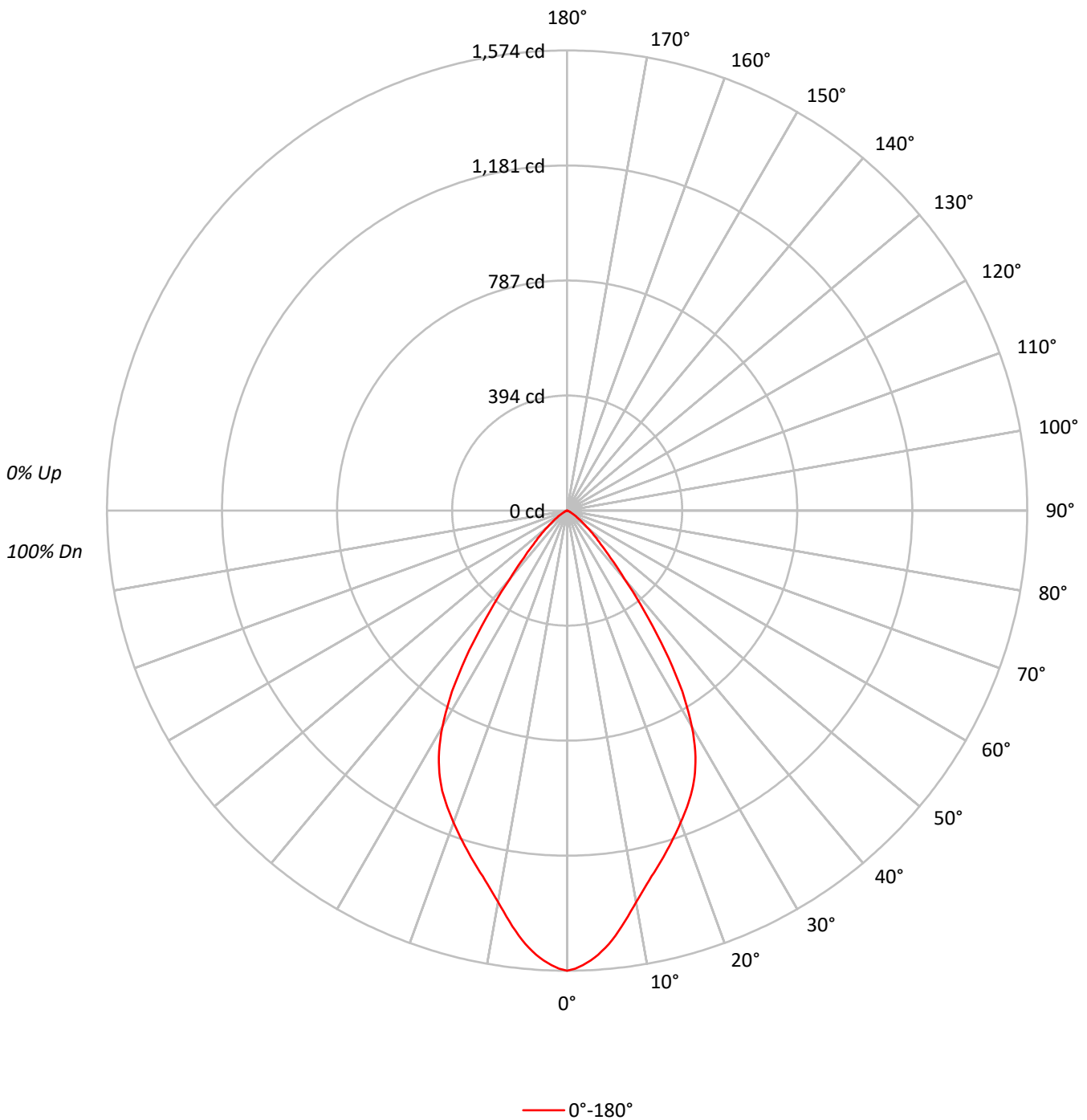
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	48533
5°	46474
10°	42584
15°	39624
20°	37268
25°	34871
30°	30412
35°	21977
40°	12322
45°	7091
50°	4337
55°	2468
60°	1283
65°	657
70°	352
75°	214
80°	124
85°	142



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.6	9.2
10°-20°	348.9	23.2
20°-30°	465.6	31.0
30°-40°	358.9	23.9
40°-50°	133.8	8.9
50°-60°	43.8	2.9
60°-70°	10.1	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°	953.1	63.5
0°-40°	1312.0	87.3
0°-60°	1489.6	99.2
0°-90°	1502.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1502.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1574	
5°	1501	139
15°	1241	349
25°	1025	466
35°	584	359
45°	163	134
55°	46	44
65°	9	10
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1573.9
1°	1567.1
2°	1555.6
3°	1540.9
4°	1522.9
5°	1501.4
6°	1477.0
7°	1449.0
8°	1419.2
9°	1388.4
10°	1360.0
11°	1332.8
12°	1307.3
13°	1283.9
14°	1262.4
15°	1241.2
16°	1219.7
17°	1198.9
18°	1177.4
19°	1156.2
20°	1135.7
21°	1114.6
22°	1094.1
23°	1072.6
24°	1050.0
25°	1024.9
26°	997.2
27°	966.7
28°	933.0
29°	895.3
30°	854.1
32.5°	733.1
35°	583.8
37.5°	432.4
40°	306.1
42.5°	219.3
45°	162.6
47.5°	122.4
50°	90.4
52.5°	64.6
55°	45.9
57.5°	31.6
60°	20.8
62.5°	13.6
65°	9.0



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**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)