

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: P244441

Luminaire Tested: **LD8B15D010 ER8B15930 8LBM0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244441  
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 ER8B15930 8LBM0H  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1239.8 lumens  
Efficiency: N/A  
Efficacy: 86.1 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.93  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

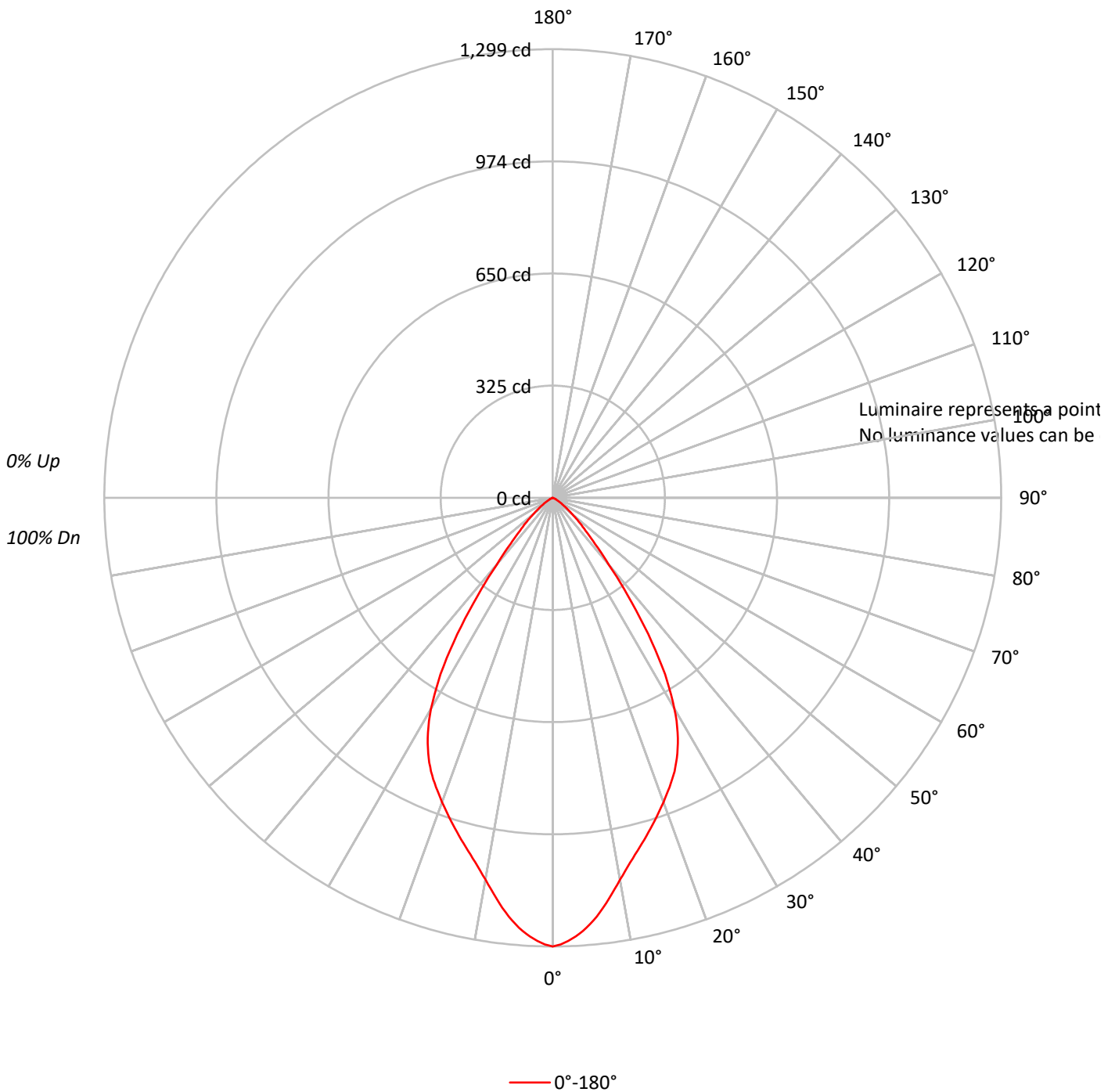
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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):**





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.4	9.2
10°-20°	288.0	23.2
20°-30°	384.3	31.0
30°-40°	296.2	23.9
40°-50°	110.4	8.9
50°-60°	36.2	2.9
60°-70°	8.3	0.7
70°-80°	1.7	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°	786.8	63.5
0°-40°	1083.0	87.4
0°-60°	1229.6	99.2
0°-90°	1239.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1239.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1299	
5°	1239	114
15°	1025	288
25°	846	384
35°	482	296
45°	134	110
55°	38	36
65°	7	8
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1299.1
1°	1293.5
2°	1284.1
3°	1271.9
4°	1257.1
5°	1239.4
6°	1219.2
7°	1196.1
8°	1171.6
9°	1146.0
10°	1122.7
11°	1100.1
12°	1079.1
13°	1059.8
14°	1042.1
15°	1024.6
16°	1006.8
17°	989.6
18°	971.9
19°	954.4
20°	937.5
21°	920.0
22°	903.2
23°	885.4
24°	866.8
25°	846.0
26°	823.2
27°	798.0
28°	770.1
29°	739.1
30°	705.0
32.5°	605.1
35°	481.9
37.5°	356.9
40°	252.7
42.5°	180.9
45°	134.2
47.5°	101.0
50°	74.7
52.5°	53.4
55°	37.9
57.5°	26.1
60°	17.2
62.5°	11.2
65°	7.4



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	5.0
70°	3.3
72.5°	2.0
75°	1.5
77.5°	0.9
80°	0.6
82.5°	0.3
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)