

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: P244357

Luminaire Tested: **LD8B15D010 ER8B15950 8LBN0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244357  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27944)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B15D010 ER8B15950 8LBN0H  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1306.0 lumens  
Efficiency: N/A  
Efficacy: 90.7 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.79  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

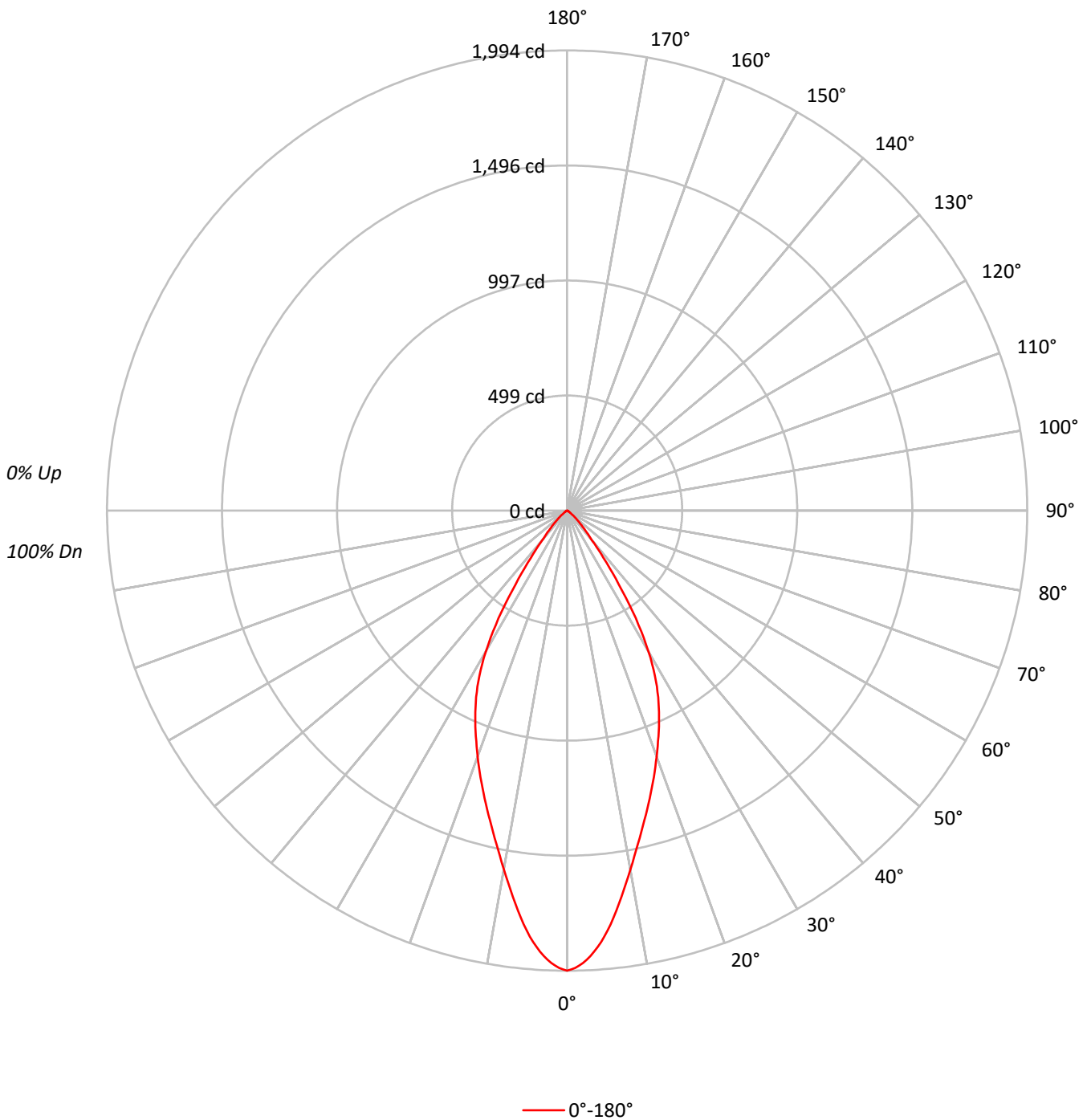
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	80	78	76
5	93	85	79	75	92	84	79	75	82	78	74	81	77	74	79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	69	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58	65	61	58	64	60	57	56
10	74	64	59	55	73	64	58	55	63	58	55	62	58	54	61	57	54	53

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	61475
5°	57342
10°	49429
15°	42778
20°	37213
25°	31979
30°	25128
35°	14662
40°	6763
45°	3502
50°	1756
55°	855
60°	438
65°	255
70°	117
75°	107
80°	71
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	167.6	12.8
10°-20°	374.7	28.7
20°-30°	426.0	32.6
30°-40°	250.2	19.2
40°-50°	67.1	5.1
50°-60°	15.9	1.2
60°-70°	3.6	0.3
70°-80°	0.8	0.1
80°-90°	0.1	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°	968.3	74.1
0°-40°	1218.4	93.3
0°-60°	1301.5	99.7
0°-90°	1306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1306.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1994	
5°	1852	168
15°	1340	375
25°	940	426
35°	390	250
45°	80	67
55°	16	16
65°	4	4
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1993.6
1°	1982.6
2°	1962.3
3°	1933.6
4°	1896.6
5°	1852.5
6°	1802.6
7°	1746.2
8°	1689.7
9°	1632.8
10°	1578.6
11°	1525.6
12°	1475.8
13°	1429.5
14°	1383.2
15°	1340.0
16°	1297.6
17°	1255.7
18°	1215.1
19°	1174.1
20°	1134.0
21°	1093.8
22°	1055.5
23°	1017.5
24°	978.7
25°	939.9
26°	899.8
27°	856.1
28°	810.2
29°	760.0
30°	705.7
32.5°	553.5
35°	389.5
37.5°	256.7
40°	168.0
42.5°	116.0
45°	80.3
47.5°	55.1
50°	36.6
52.5°	23.8
55°	15.9
57.5°	10.6
60°	7.1
62.5°	4.9
65°	3.5



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2.2
70°	1.3
72.5°	0.9
75°	0.9
77.5°	0.4
80°	0.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)