

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: P244327

Luminaire Tested: **LD8B15D010 ER8B15850 8LBN0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244327  
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 ER8B15850 8LBN0H  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1434.0 lumens  
Efficiency: N/A  
Efficacy: 99.6 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

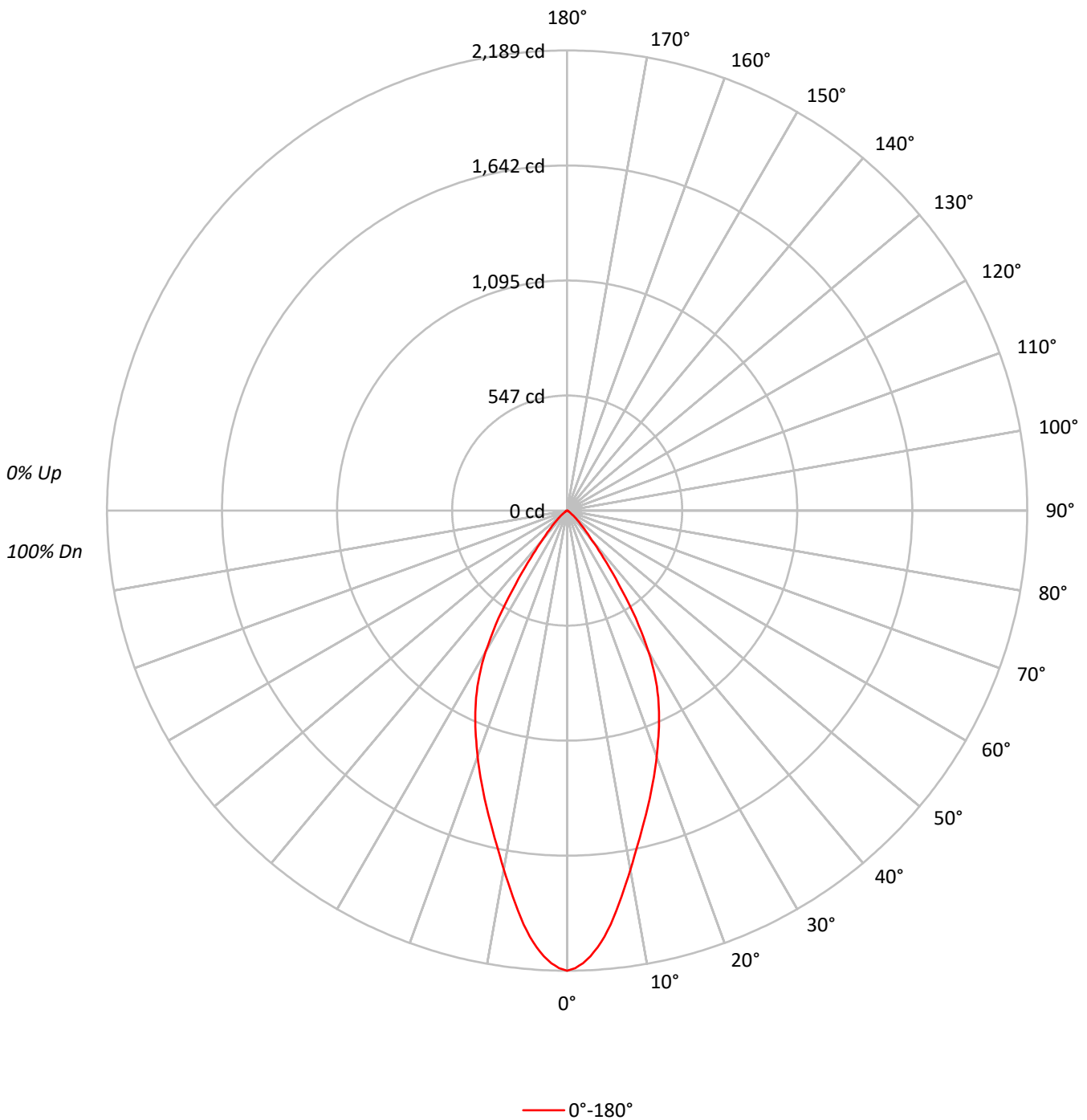
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	67501
5°	62961
10°	54273
15°	46970
20°	40858
25°	35113
30°	27592
35°	16097
40°	7427
45°	3842
50°	1929
55°	935
60°	475
65°	285
70°	135
75°	119
80°	89
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.1	12.8
10°-20°	411.4	28.7
20°-30°	467.7	32.6
30°-40°	274.7	19.2
40°-50°	73.7	5.1
50°-60°	17.5	1.2
60°-70°	4.0	0.3
70°-80°	0.9	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°	1063.2	74.1
0°-40°	1337.9	93.3
0°-60°	1429.0	99.7
0°-90°	1434.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1434.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2189	
5°	2034	184
15°	1471	411
25°	1032	468
35°	428	275
45°	88	74
55°	17	17
65°	4	4
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2189.0
1°	2176.9
2°	2154.6
3°	2123.2
4°	2082.5
5°	2034.0
6°	1979.3
7°	1917.3
8°	1855.3
9°	1792.9
10°	1733.3
11°	1675.2
12°	1620.5
13°	1569.6
14°	1518.7
15°	1471.3
16°	1424.8
17°	1378.8
18°	1334.2
19°	1289.2
20°	1245.1
21°	1201.1
22°	1158.9
23°	1117.3
24°	1074.7
25°	1032.0
26°	988.0
27°	940.0
28°	889.7
29°	834.4
30°	774.9
32.5°	607.8
35°	427.6
37.5°	281.9
40°	184.5
42.5°	127.4
45°	88.1
47.5°	60.5
50°	40.2
52.5°	26.2
55°	17.4
57.5°	11.6
60°	7.7
62.5°	5.3
65°	3.9



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2.4
70°	1.5
72.5°	1.0
75°	1.0
77.5°	0.5
80°	0.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)