

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: P246589

Luminaire Tested: **LD8B15D010 ER8B15950 8LBW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246589  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-48)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B15D010 ER8B15950 8LBW0MW  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 5000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1444.0 lumens  
Efficiency: N/A  
Efficacy: 100.3 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

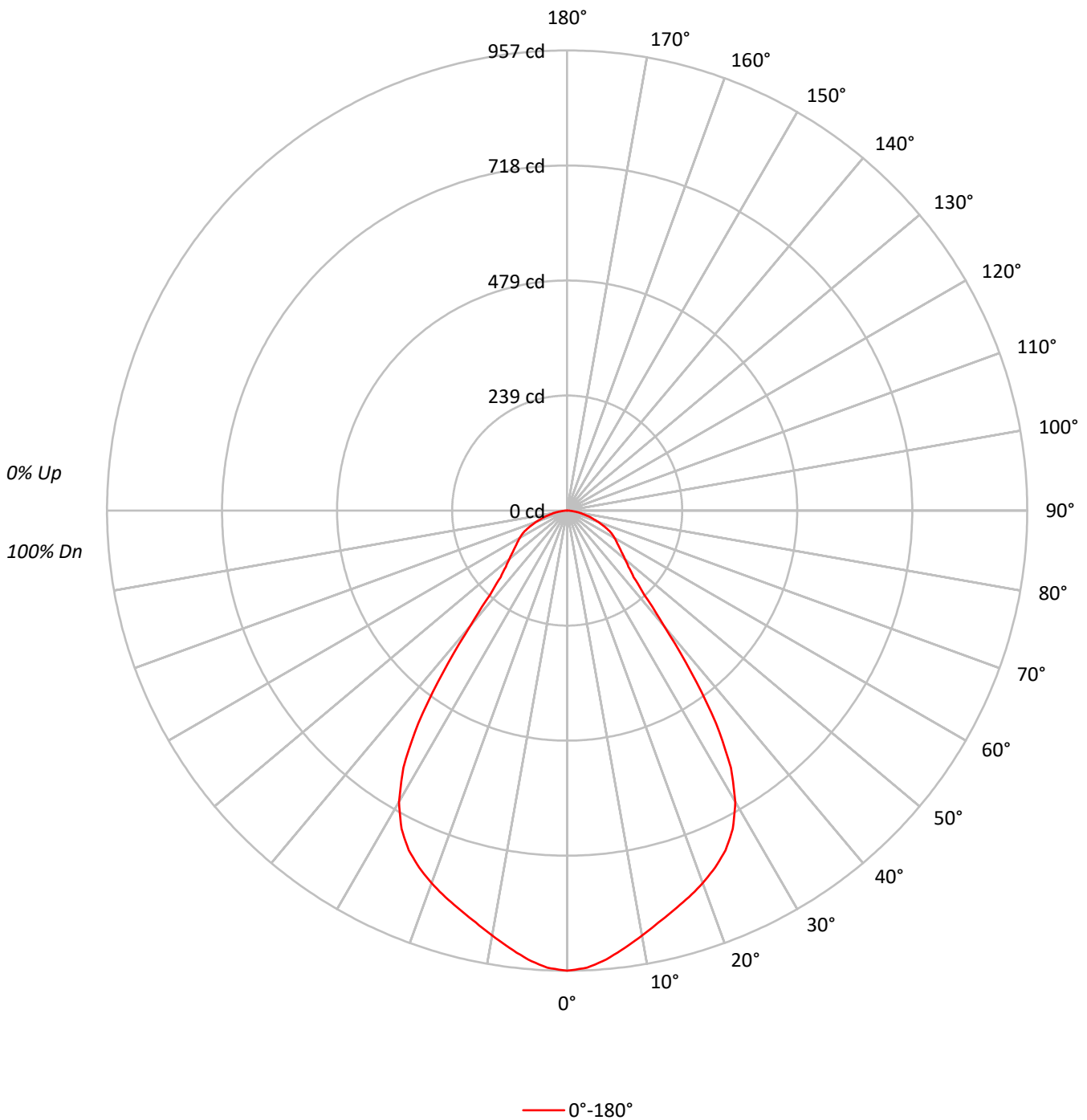
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P246589

CATALOG NUMBER: LD8B15D010 ER8B15950 8LBW0MW

### Luminous Intensity Polar Plot





TEST NUMBER: P246589

CATALOG NUMBER: LD8B15D010 ER8B15950 8LBW0MW

**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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84		88	85	82		86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74		81	76	73		78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66		74	69	65		72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		67	62	58	56
6	79	67	60	54	77	66	59	54	65	58	54		63	58	53		62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49		59	53	49		57	52	48	47
8	69	58	50	45	68	57	50	45	56	50	45		55	49	45		54	48	45	43
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

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

	0°
0°	29504
5°	29007
10°	28093
15°	27445
20°	27053
25°	26522
30°	24903
35°	20328
40°	12591
45°	8530
50°	7513
55°	7091
60°	7031
65°	6815
70°	6113
75°	5290
80°	4475
85°	3573



TEST NUMBER: P246589

CATALOG NUMBER: LD8B15D010 ER8B15950 8LBW0MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.1	6.1
10°-20°	242.8	16.8
20°-30°	356.1	24.7
30°-40°	325.5	22.5
40°-50°	161.1	11.2
50°-60°	119.2	8.3
60°-70°	91.6	6.3
70°-80°	47.7	3.3
80°-90°	11.9	0.8
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°	687.0	47.6
0°-40°	1012.5	70.1
0°-60°	1292.8	89.5
0°-90°	1444.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1444.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	957	
5°	937	88
15°	860	243
25°	780	356
35°	540	325
45°	196	161
55°	132	119
65°	93	92
75°	44	48
85°	10	12
90°	0	



TEST NUMBER: P246589

CATALOG NUMBER: LD8B15D010 ER8B15950 8LBW0MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	956.8
2.5°	951.7
5°	937.1
7.5°	917.4
10°	897.2
12.5°	877.5
15°	859.7
17.5°	842.7
20°	824.4
22.5°	803.8
25°	779.5
27.5°	746.1
30°	699.4
32.5°	633.9
35°	540.0
37.5°	423.6
40°	312.8
42.5°	236.8
45°	195.6
47.5°	173.1
50°	156.6
52.5°	143.4
55°	131.9
57.5°	122.3
60°	114.0
62.5°	105.3
65°	93.4
67.5°	80.6
70°	67.8
72.5°	55.9
75°	44.4
77.5°	34.3
80°	25.2
82.5°	17.4
85°	10.1
87.5°	3.7
90°	0.0

(END OF REPORT)