

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: P245359

Luminaire Tested: **LD8B15D010 ER8B15940 8LBS0WH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245359  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-15)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B15D010 ER8B15940 8LBS0WH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 4000 CCT WITH WHEAT TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1461.9 lumens  
Efficiency: N/A  
Efficacy: 101.5 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.23  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

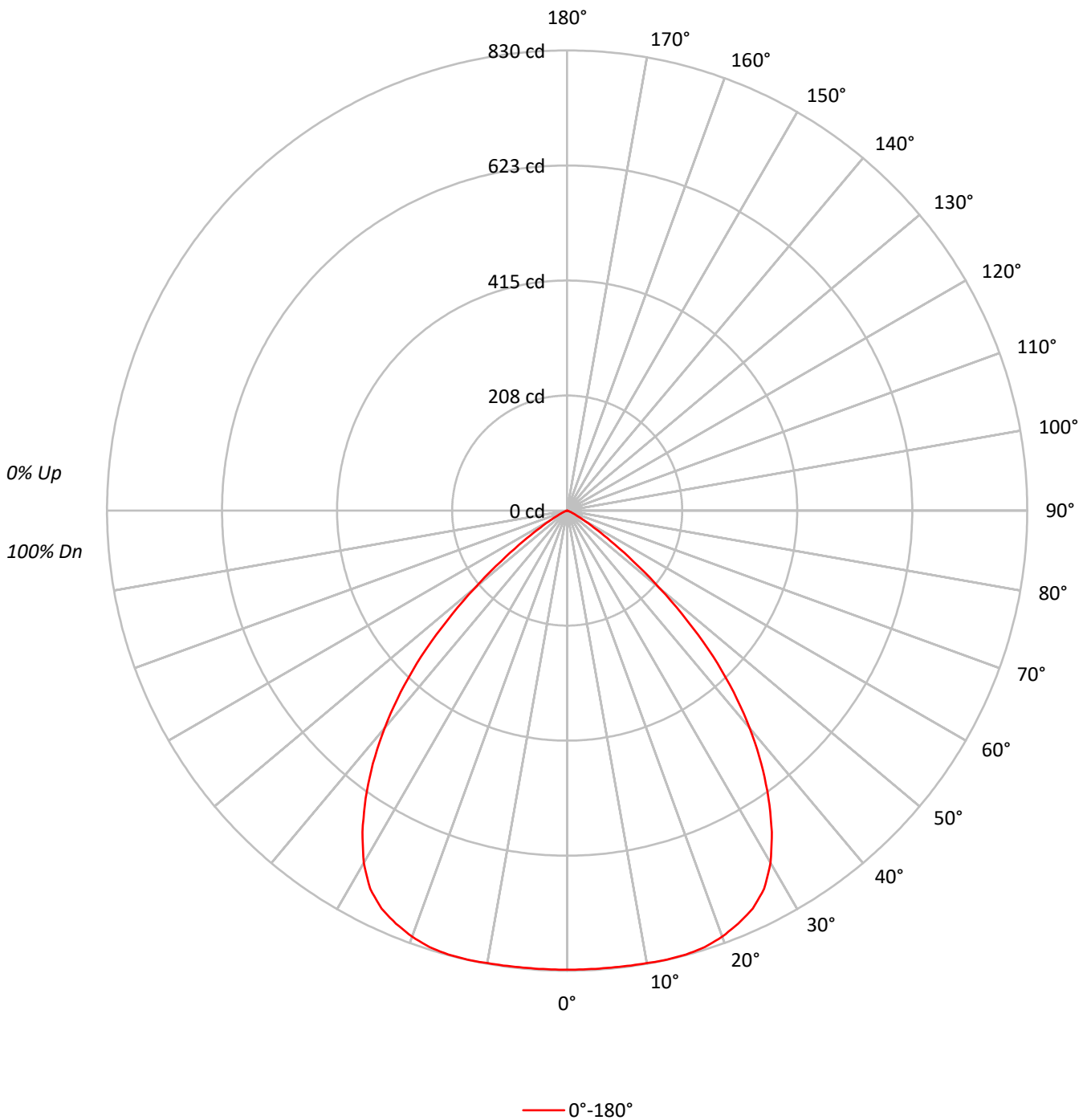
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P245359

CATALOG NUMBER: LD8B15D010 ER8B15940 8LBS0WH

### Luminous Intensity Polar Plot





TEST NUMBER: P245359

CATALOG NUMBER: LD8B15D010 ER8B15940 8LBS0WH

**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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	92	83	76	71	90	82	76	71	79	74	70	77	73	69	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60
6	80	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41
10	63	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38

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

	0°
0°	25536
5°	25633
10°	25955
15°	26462
20°	26840
25°	26950
30°	26125
35°	23844
40°	20626
45°	16240
50°	10472
55°	5140
60°	2115
65°	927
70°	270
75°	95
80°	71
85°	0



TEST NUMBER: P245359

CATALOG NUMBER: LD8B15D010 ER8B15940 8LBS0WH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.1	5.4
10°-20°	234.3	16.0
20°-30°	362.7	24.8
30°-40°	392.9	26.9
40°-50°	282.7	19.3
50°-60°	94.6	6.5
60°-70°	14.3	1.0
70°-80°	1.2	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°	676.0	46.2
0°-40°	1068.9	73.1
0°-60°	1446.3	98.9
0°-90°	1461.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1461.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	828	
5°	828	79
15°	829	234
25°	792	363
35°	633	393
45°	372	283
55°	96	95
65°	13	14
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P245359

CATALOG NUMBER: LD8B15D010 ER8B15940 8LBS0WH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	828.1
2.5°	828.1
5°	828.1
7.5°	828.5
10°	828.9
12.5°	829.8
15°	828.9
17.5°	825.6
20°	817.9
22.5°	806.5
25°	792.1
27.5°	769.3
30°	733.7
32.5°	687.2
35°	633.4
37.5°	575.5
40°	512.4
42.5°	444.7
45°	372.4
47.5°	294.1
50°	218.3
52.5°	149.8
55°	95.6
57.5°	57.1
60°	34.3
62.5°	20.7
65°	12.7
67.5°	6.3
70°	3.0
72.5°	1.3
75°	0.8
77.5°	0.8
80°	0.4
82.5°	0.4
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)