

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: P246535

Luminaire Tested: **LD8B15D010 ER8B15827 8LBW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246535  
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 ER8B15827 8LBW0MW  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 2700 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1468.9 lumens  
Efficiency: N/A  
Efficacy: 102.0 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

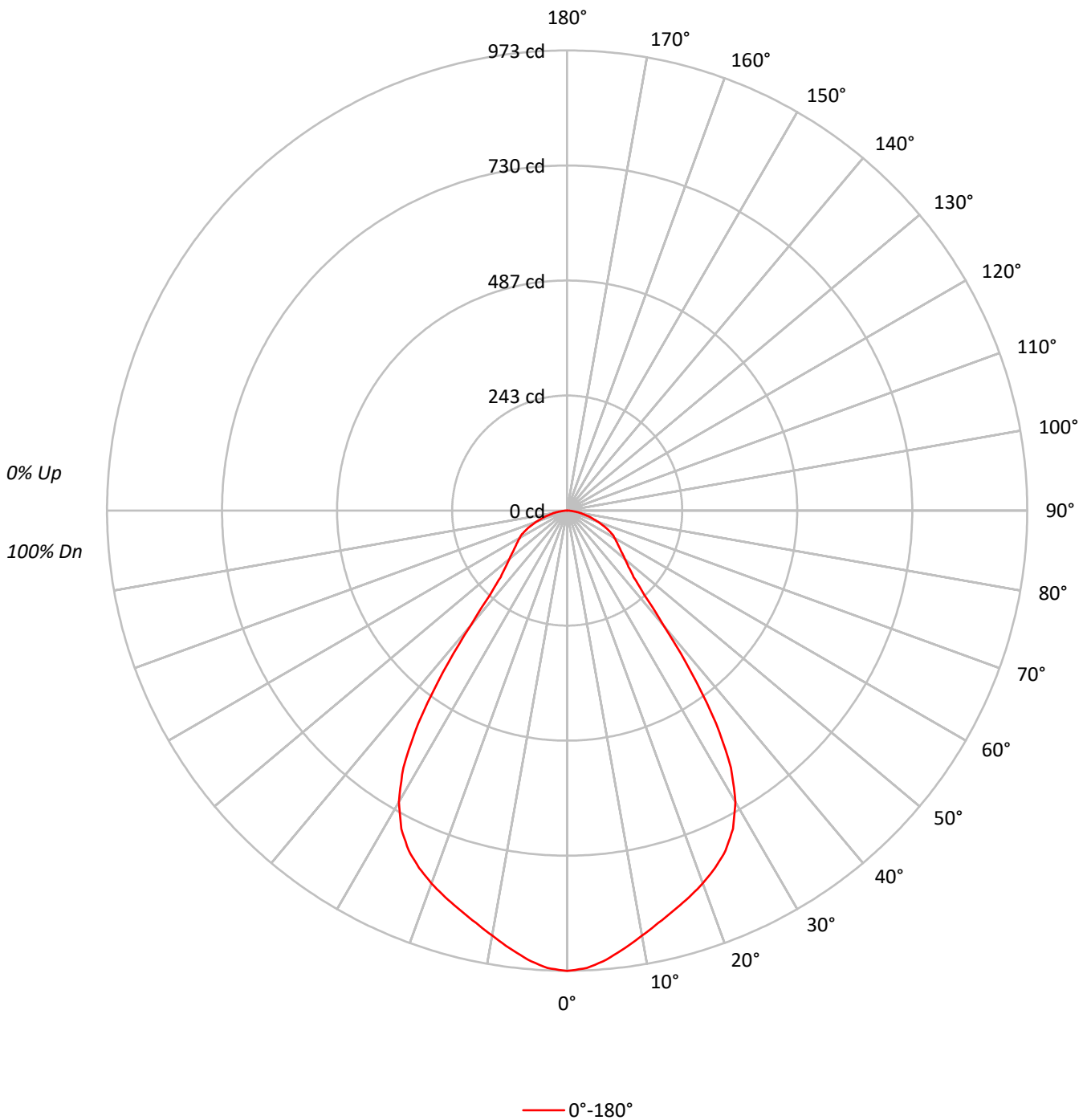
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P246535

CATALOG NUMBER: LD8B15D010 ER8B15827 8LBW0MW

### Luminous Intensity Polar Plot





TEST NUMBER: P246535

CATALOG NUMBER: LD8B15D010 ER8B15827 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°	30013
5°	29509
10°	28578
15°	27918
20°	27522
25°	26981
30°	25334
35°	20678
40°	12809
45°	8674
50°	7642
55°	7215
60°	7154
65°	6932
70°	6221
75°	5385
80°	4546
85°	3644



TEST NUMBER: P246535

CATALOG NUMBER: LD8B15D010 ER8B15827 8LBW0MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.7	6.1
10°-20°	247.0	16.8
20°-30°	362.2	24.7
30°-40°	331.1	22.5
40°-50°	163.9	11.2
50°-60°	121.2	8.3
60°-70°	93.2	6.3
70°-80°	48.5	3.3
80°-90°	12.1	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°	698.9	47.6
0°-40°	1030.0	70.1
0°-60°	1315.1	89.5
0°-90°	1468.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1468.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	973	
5°	953	90
15°	874	247
25°	793	362
35°	549	331
45°	199	164
55°	134	121
65°	95	93
75°	45	49
85°	10	12
90°	0	



TEST NUMBER: P246535

CATALOG NUMBER: LD8B15D010 ER8B15827 8LBW0MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	973.3
2.5°	968.2
5°	953.3
7.5°	933.2
10°	912.7
12.5°	892.7
15°	874.5
17.5°	857.3
20°	838.7
22.5°	817.7
25°	793.0
27.5°	759.0
30°	711.5
32.5°	644.8
35°	549.3
37.5°	431.0
40°	318.2
42.5°	240.9
45°	198.9
47.5°	176.1
50°	159.3
52.5°	145.8
55°	134.2
57.5°	124.4
60°	116.0
62.5°	107.2
65°	95.0
67.5°	82.0
70°	69.0
72.5°	56.8
75°	45.2
77.5°	34.9
80°	25.6
82.5°	17.7
85°	10.3
87.5°	3.7
90°	0.0

(END OF REPORT)