

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: P246577

Luminaire Tested: **LD8B15D010 ER8B15935 8LBW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246577  
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 ER8B15935 8LBW0MW  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 3500 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1335.1 lumens  
Efficiency: N/A  
Efficacy: 92.7 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

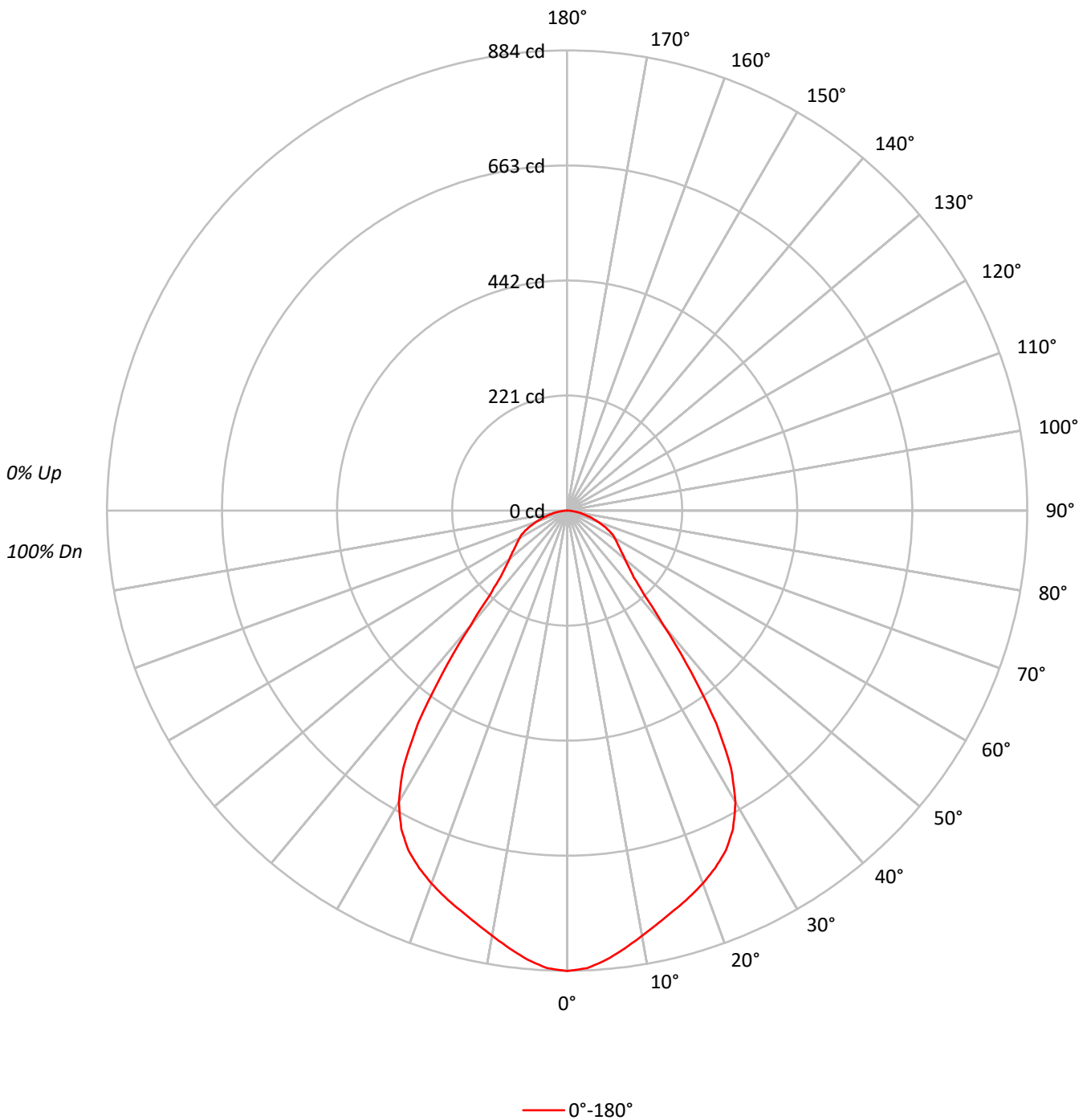
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	27275
5°	26816
10°	25973
15°	25373
20°	25012
25°	24521
30°	23023
35°	18792
40°	11641
45°	7885
50°	6946
55°	6554
60°	6500
65°	6304
70°	5653
75°	4897
80°	4138
85°	3290



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.5	6.1
10°-20°	224.5	16.8
20°-30°	329.2	24.7
30°-40°	300.9	22.5
40°-50°	149.0	11.2
50°-60°	110.1	8.3
60°-70°	84.7	6.3
70°-80°	44.2	3.3
80°-90°	11.0	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°	635.2	47.6
0°-40°	936.1	70.1
0°-60°	1195.2	89.5
0°-90°	1335.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1335.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	884	
5°	866	81
15°	795	224
25°	721	329
35°	499	301
45°	181	149
55°	122	110
65°	86	85
75°	41	44
85°	9	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	884.5
2.5°	879.9
5°	866.3
7.5°	848.1
10°	829.5
12.5°	811.3
15°	794.8
17.5°	779.1
20°	762.2
22.5°	743.1
25°	720.7
27.5°	689.8
30°	646.6
32.5°	586.0
35°	499.2
37.5°	391.7
40°	289.2
42.5°	218.9
45°	180.8
47.5°	160.1
50°	144.8
52.5°	132.5
55°	121.9
57.5°	113.1
60°	105.4
62.5°	97.4
65°	86.4
67.5°	74.5
70°	62.7
72.5°	51.7
75°	41.1
77.5°	31.8
80°	23.3
82.5°	16.1
85°	9.3
87.5°	3.4
90°	0.0

(END OF REPORT)