

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: P247724

Luminaire Tested: **LD8B100D010 ER8B100830 8LBS0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247724  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-88)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B100D010 ER8B100830 8LBS0MW  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 3000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11577.9 lumens  
Efficiency: N/A  
Efficacy: 108.9 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.24  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

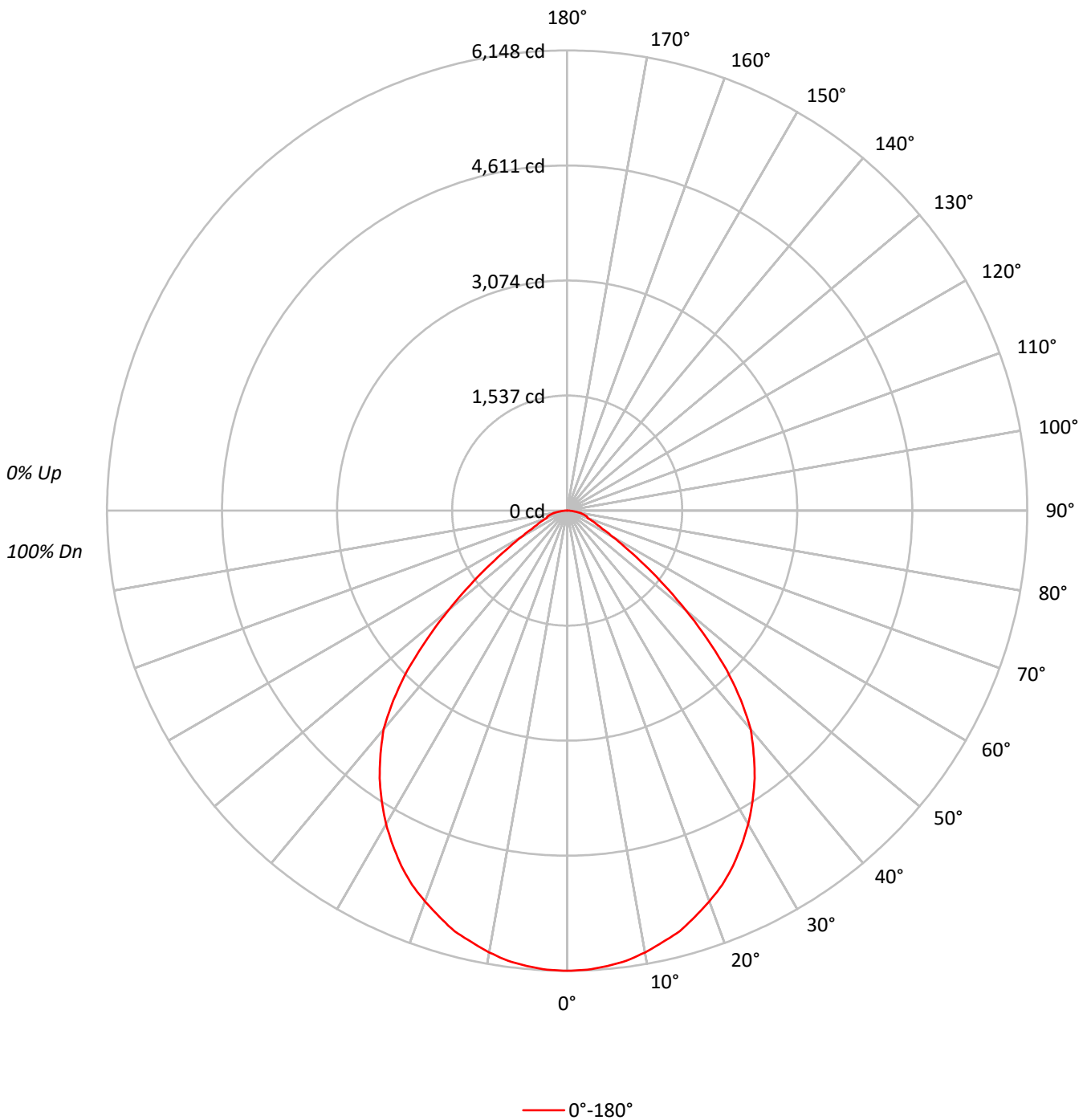
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	104	101	109	105	102	100	101	99	96	97	95	94	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	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	57	55
6	77	66	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37
10	60	47	40	36	58	47	40	35	46	40	35	45	39	35	44	39	35	33

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

	0°
0°	189582
5°	189108
10°	187694
15°	185738
20°	182312
25°	178273
30°	172283
35°	164452
40°	153569
45°	131547
50°	98910
55°	67046
60°	43621
65°	32002
70°	26137
75°	29631
80°	31059
85°	25191



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	579.8	5.0
10°-20°	1636.7	14.1
20°-30°	2407.9	20.8
30°-40°	2719.7	23.5
40°-50°	2290.5	19.8
50°-60°	1155.6	10.0
60°-70°	452.7	3.9
70°-80°	255.6	2.2
80°-90°	79.5	0.7
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°	4624.3	39.9
0°-40°	7344.1	63.4
0°-60°	10790.1	93.2
0°-90°	11577.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11577.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6148	
5°	6109	580
15°	5818	1637
25°	5240	2408
35°	4369	2720
45°	3016	2290
55°	1247	1156
65°	439	453
75°	249	256
85°	71	80
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6148.0
2.5°	6141.8
5°	6109.3
7.5°	6066.8
10°	5994.3
12.5°	5904.4
15°	5818.1
17.5°	5686.9
20°	5555.7
22.5°	5413.3
25°	5239.6
27.5°	5043.4
30°	4838.5
32.5°	4608.5
35°	4368.6
37.5°	4093.7
40°	3815.0
42.5°	3435.2
45°	3016.5
47.5°	2536.7
50°	2061.8
52.5°	1633.2
55°	1247.1
57.5°	939.7
60°	707.3
62.5°	539.8
65°	438.6
67.5°	357.4
70°	289.9
72.5°	279.9
75°	248.7
77.5°	207.4
80°	174.9
82.5°	111.2
85°	71.2
87.5°	22.5
90°	0.0

(END OF REPORT)