

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: P246534

Luminaire Tested: **LD8B10D010 ER8B10827 8LBW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246534  
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: LD8B10D010 ER8B10827 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: 1084.0 lumens  
Efficiency: N/A  
Efficacy: 106.3 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

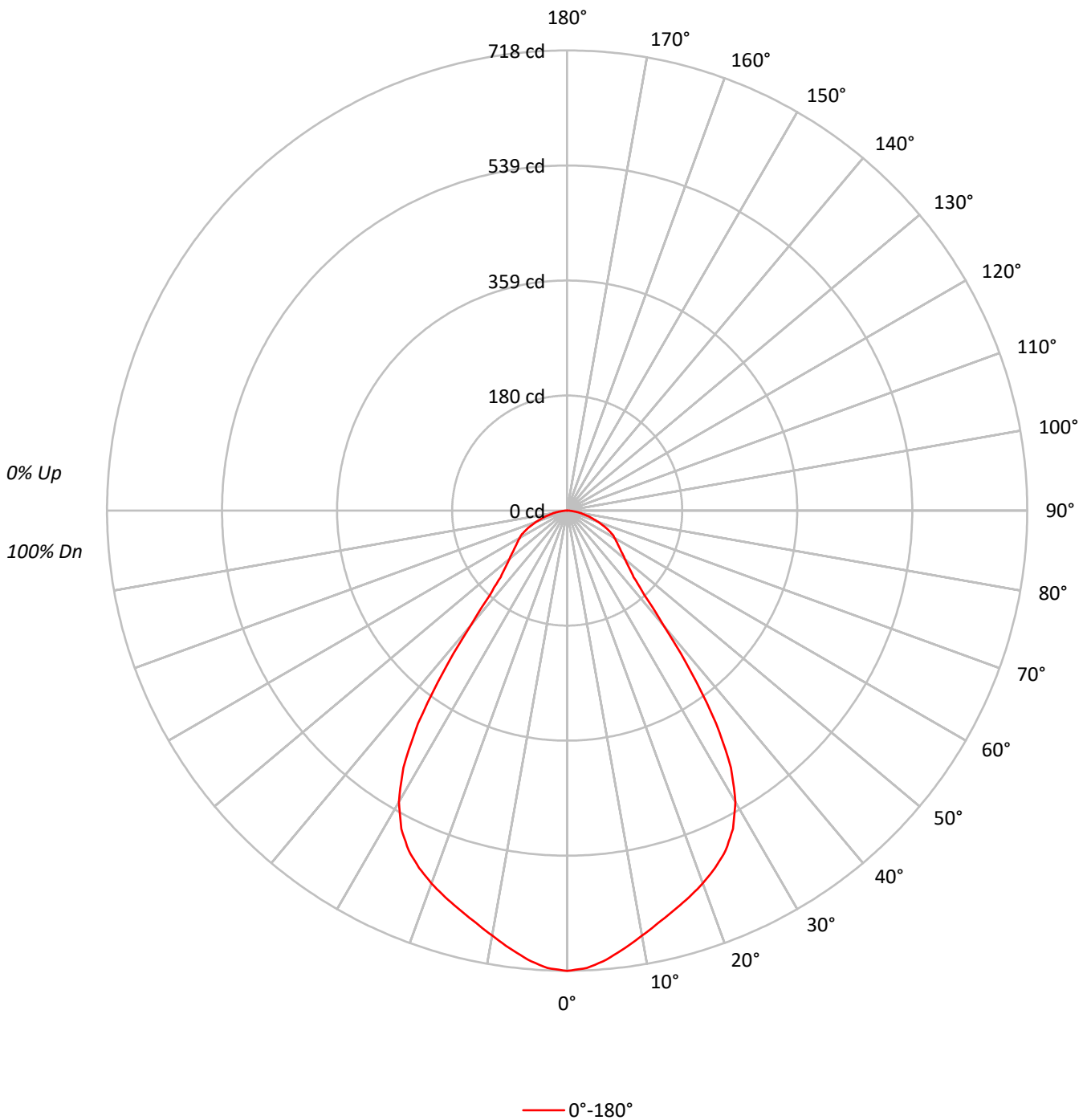
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	22147
5°	21773
10°	21089
15°	20601
20°	20309
25°	19911
30°	18694
35°	15261
40°	9452
45°	6402
50°	5642
55°	5322
60°	5279
65°	5115
70°	4589
75°	3967
80°	3356
85°	2689



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.2	6.1
10°-20°	182.3	16.8
20°-30°	267.3	24.7
30°-40°	244.3	22.5
40°-50°	121.0	11.2
50°-60°	89.4	8.3
60°-70°	68.7	6.3
70°-80°	35.8	3.3
80°-90°	9.0	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°	515.7	47.6
0°-40°	760.1	70.1
0°-60°	970.5	89.5
0°-90°	1084.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1084.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	718	
5°	703	66
15°	645	182
25°	585	267
35°	405	244
45°	147	121
55°	99	89
65°	70	69
75°	33	36
85°	8	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	718.2
2.5°	714.4
5°	703.4
7.5°	688.7
10°	673.5
12.5°	658.7
15°	645.3
17.5°	632.6
20°	618.9
22.5°	603.4
25°	585.2
27.5°	560.1
30°	525.0
32.5°	475.8
35°	405.4
37.5°	318.0
40°	234.8
42.5°	177.8
45°	146.8
47.5°	130.0
50°	117.6
52.5°	107.6
55°	99.0
57.5°	91.8
60°	85.6
62.5°	79.1
65°	70.1
67.5°	60.5
70°	50.9
72.5°	41.9
75°	33.3
77.5°	25.8
80°	18.9
82.5°	13.1
85°	7.6
87.5°	2.8
90°	0.0

(END OF REPORT)