

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: P244446

Luminaire Tested: **LD8B10D010 ER8B10827 8LBS0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244446  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-13)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B10D010 ER8B10827 8LBS0H  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1159.0 lumens  
Efficiency: N/A  
Efficacy: 113.6 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.23  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

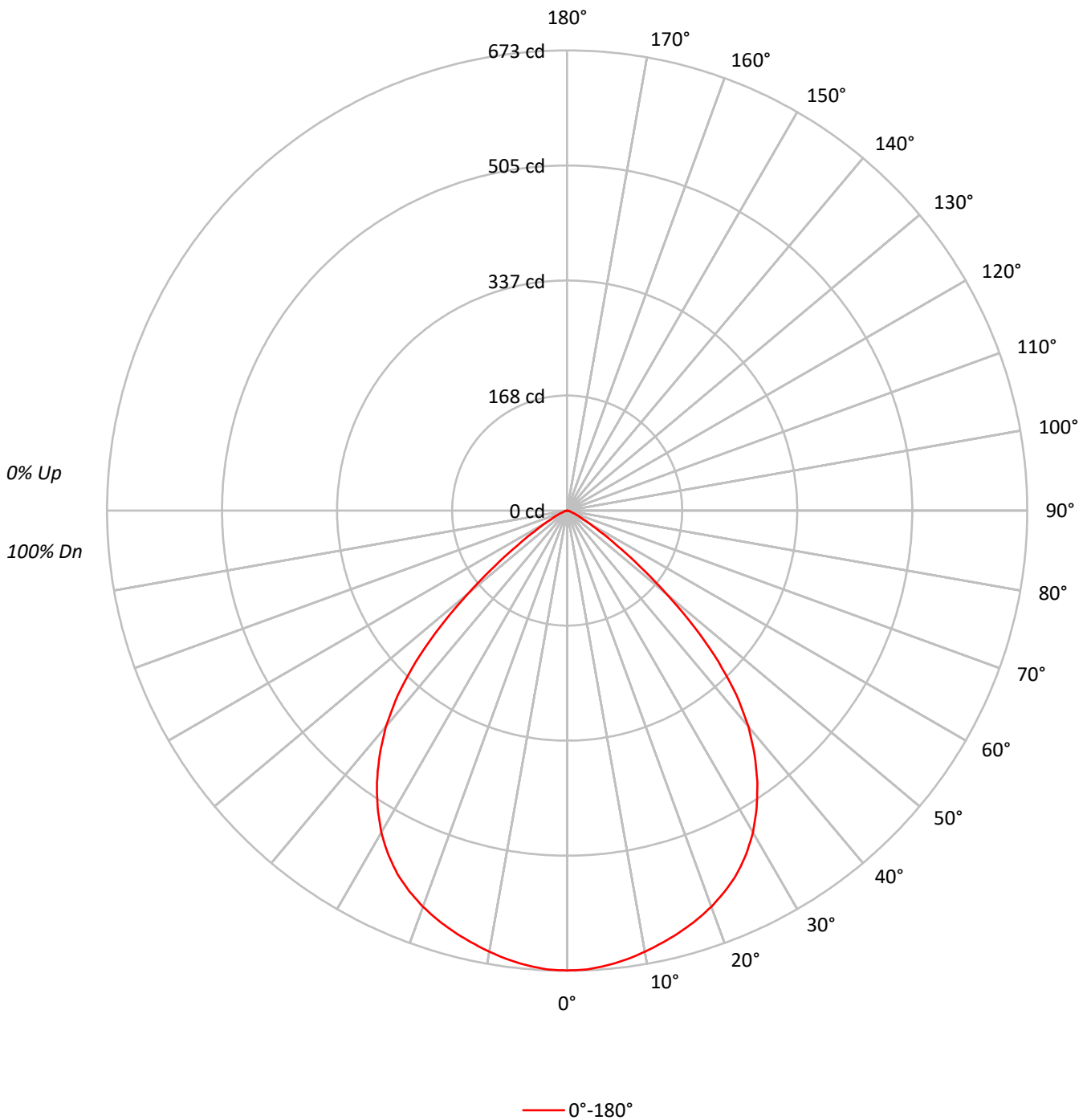
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	102	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77		83	79	76		81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69		76	72	68		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	61	56	78	68	61	56	66	60	56		65	59	55		63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46		55	50	46		54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42		51	46	42		51	45	42	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°	20741
5°	20671
10°	20516
15°	20371
20°	20231
25°	19965
30°	19349
35°	18257
40°	16593
45°	13654
50°	9100
55°	4742
60°	2233
65°	1175
70°	586
75°	405
80°	302
85°	248



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.3	5.5
10°-20°	180.1	15.5
20°-30°	269.4	23.2
30°-40°	301.3	26.0
40°-50°	236.4	20.4
50°-60°	86.3	7.4
60°-70°	17.6	1.5
70°-80°	3.8	0.3
80°-90°	0.8	0.1
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°	512.8	44.2
0°-40°	814.2	70.2
0°-60°	1136.9	98.1
0°-90°	1159.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1159.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	673	
5°	668	63
15°	638	180
25°	587	269
35°	485	301
45°	313	236
55°	88	86
65°	16	18
75°	3	4
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	672.6
2.5°	671.6
5°	667.8
7.5°	662.3
10°	655.2
12.5°	647.0
15°	638.1
17.5°	628.2
20°	616.5
22.5°	602.9
25°	586.8
27.5°	567.0
30°	543.4
32.5°	515.7
35°	485.0
37.5°	450.4
40°	412.2
42.5°	366.7
45°	313.1
47.5°	252.6
50°	189.7
52.5°	132.9
55°	88.2
57.5°	56.4
60°	36.2
62.5°	23.9
65°	16.1
67.5°	10.3
70°	6.5
72.5°	4.4
75°	3.4
77.5°	2.4
80°	1.7
82.5°	1.0
85°	0.7
87.5°	0.3
90°	0.0

(END OF REPORT)