

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: P245802

Luminaire Tested: **LD8B10D010 ER8B10927 8LBS0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245802  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-16)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B10D010 ER8B10927 8LBS0GPH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 2700 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 881.9 lumens  
Efficiency: N/A  
Efficacy: 86.5 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

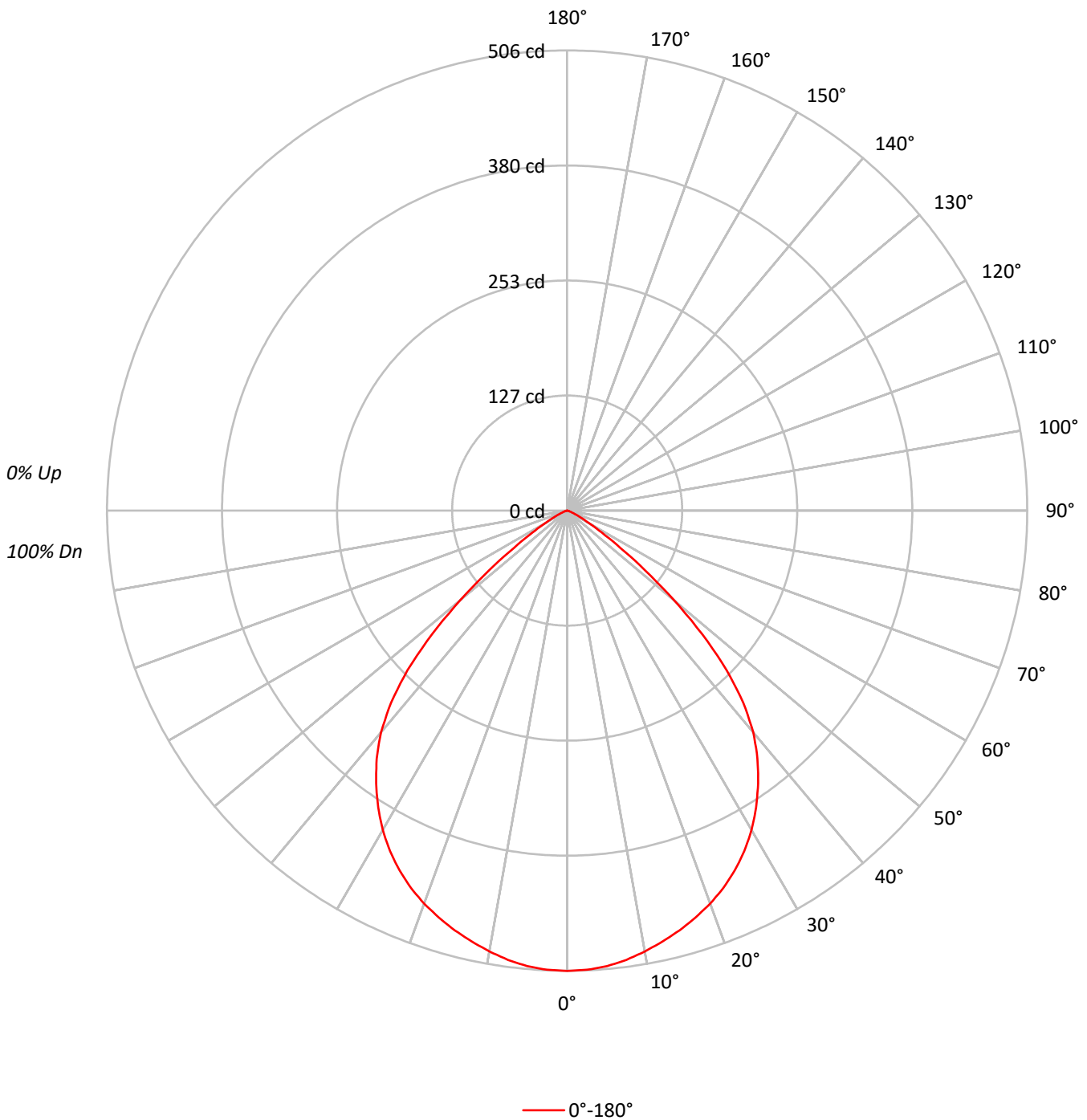
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	88	83	78	86	81	77		83	79	76		81	77	74	73
4	91	82	75	70	89	81	74	69	78	73	69		76	72	68		74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61		70	65	61		68	64	60	58
6	79	69	61	56	78	68	61	56	66	60	55		64	59	55		63	58	54	53
7	74	63	56	50	73	62	55	50	61	55	50		59	54	50		58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45		55	49	45		54	49	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	38	60	49	43	38	48	42	38		48	42	38		47	42	38	36

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

	0°
0°	15609
5°	15564
10°	15412
15°	15253
20°	15092
25°	14845
30°	14442
35°	13782
40°	12817
45°	10819
50°	7345
55°	3833
60°	1721
65°	839
70°	334
75°	203
80°	160
85°	106



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.7	5.4
10°-20°	134.8	15.3
20°-30°	200.6	22.7
30°-40°	228.0	25.9
40°-50°	186.5	21.1
50°-60°	69.5	7.9
60°-70°	12.7	1.4
70°-80°	1.9	0.2
80°-90°	0.3	0.0
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°	383.0	43.4
0°-40°	611.1	69.3
0°-60°	867.0	98.3
0°-90°	881.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	881.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	506	
5°	503	48
15°	478	135
25°	436	201
35°	366	228
45°	248	186
55°	71	69
65°	12	13
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	506.2
2.5°	505.4
5°	502.8
7.5°	498.3
10°	492.2
12.5°	485.2
15°	477.8
17.5°	469.1
20°	459.9
22.5°	449.0
25°	436.3
27.5°	422.0
30°	405.6
32.5°	386.8
35°	366.1
37.5°	343.9
40°	318.4
42.5°	286.7
45°	248.1
47.5°	201.7
50°	153.1
52.5°	107.9
55°	71.3
57.5°	44.9
60°	27.9
62.5°	17.9
65°	11.5
67.5°	6.6
70°	3.7
72.5°	2.2
75°	1.7
77.5°	1.1
80°	0.9
82.5°	0.3
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)