

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: P250999

Luminaire Tested: **LD8B70D010 ER8B70935 8LBS0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250999  
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: LD8B70D010 ER8B70935 8LBS0H  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7038.0 lumens  
Efficiency: N/A  
Efficacy: 92.7 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

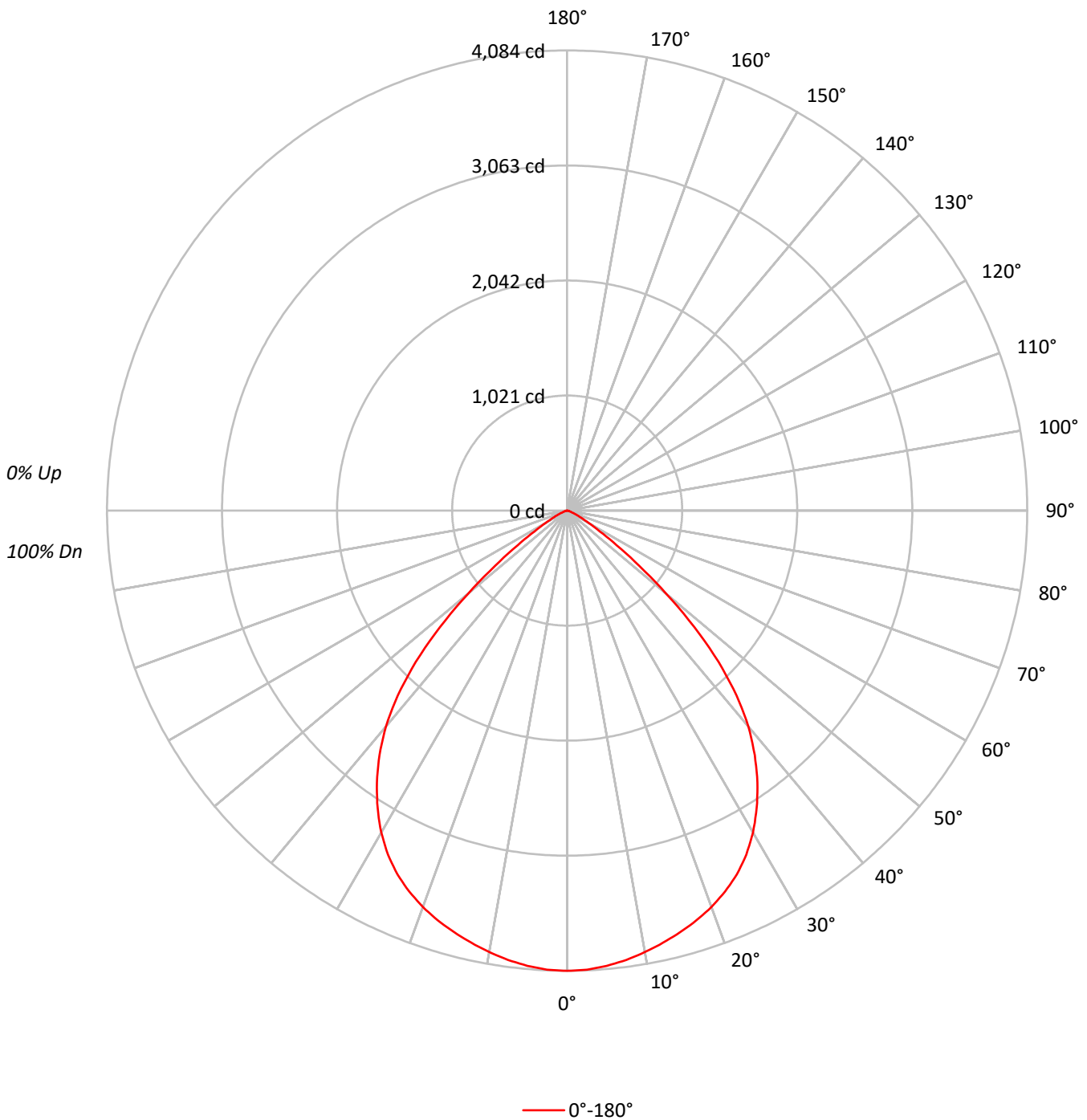
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	125945
5°	125528
10°	124575
15°	123696
20°	122861
25°	121242
30°	117495
35°	110862
40°	100752
45°	82901
50°	55255
55°	28784
60°	13568
65°	7114
70°	3552
75°	2478
80°	1847
85°	1486



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	384.7	5.5
10°-20°	1093.6	15.5
20°-30°	1636.0	23.2
30°-40°	1829.9	26.0
40°-50°	1435.5	20.4
50°-60°	523.8	7.4
60°-70°	106.8	1.5
70°-80°	23.0	0.3
80°-90°	4.8	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°	3114.3	44.2
0°-40°	4944.1	70.2
0°-60°	6903.4	98.1
0°-90°	7038.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7038.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4084	
5°	4055	385
15°	3875	1094
25°	3563	1636
35°	2945	1830
45°	1901	1436
55°	535	524
65°	98	107
75°	21	23
85°	4	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4084.3
2.5°	4078.1
5°	4055.3
7.5°	4022.1
10°	3978.5
12.5°	3928.7
15°	3874.7
17.5°	3814.5
20°	3744.0
22.5°	3661.0
25°	3563.4
27.5°	3443.1
30°	3299.8
32.5°	3131.7
35°	2945.0
37.5°	2735.3
40°	2502.9
42.5°	2226.9
45°	1901.0
47.5°	1533.7
50°	1151.8
52.5°	807.3
55°	535.4
57.5°	342.4
60°	220.0
62.5°	145.3
65°	97.5
67.5°	62.3
70°	39.4
72.5°	27.0
75°	20.8
77.5°	14.5
80°	10.4
82.5°	6.2
85°	4.2
87.5°	2.1
90°	0.0

(END OF REPORT)