

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: P251095

Luminaire Tested: **LSR8B70D010 EC8B70935 8LBS0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251095  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-14)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B70D010 EC8B70935 8LBS0WMH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 3500 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6901.1 lumens  
Efficiency: N/A  
Efficacy: 90.9 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

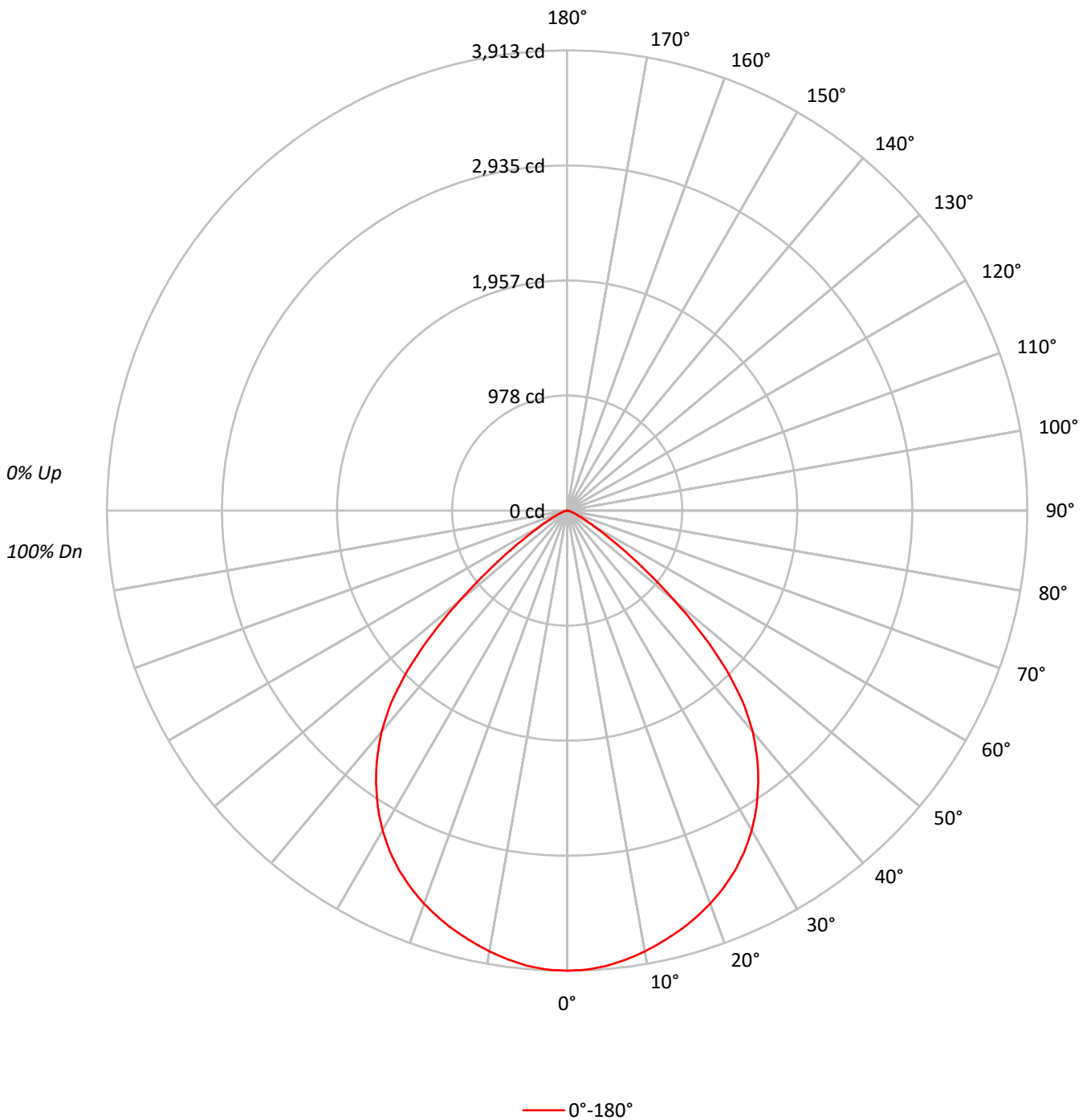
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	74	67	62	83	73	67	61	71	65	61	70	64	60	68	63	60	58
6	79	68	61	55	77	67	60	55	66	59	55	64	58	54	63	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	54	48	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

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

	0°
0°	120656
5°	120281
10°	119202
15°	118020
20°	116750
25°	114906
30°	111752
35°	106661
40°	98848
45°	83459
50°	57256
55°	31579
60°	15875
65°	8938
70°	4869
75°	3467
80°	2220
85°	1486



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	368.3	5.3
10°-20°	1042.6	15.1
20°-30°	1552.3	22.5
30°-40°	1763.3	25.6
40°-50°	1441.3	20.9
50°-60°	564.8	8.2
60°-70°	131.7	1.9
70°-80°	31.7	0.5
80°-90°	5.1	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°	2963.2	42.9
0°-40°	4726.5	68.5
0°-60°	6732.6	97.6
0°-90°	6901.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6901.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3913	
5°	3886	368
15°	3697	1043
25°	3377	1552
35°	2833	1763
45°	1914	1441
55°	587	565
65°	122	132
75°	29	32
85°	4	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3912.8
2.5°	3906.5
5°	3885.8
7.5°	3850.5
10°	3806.9
12.5°	3752.9
15°	3696.9
17.5°	3630.5
20°	3557.8
22.5°	3472.7
25°	3377.2
27.5°	3265.1
30°	3138.5
32.5°	2995.3
35°	2833.4
37.5°	2654.9
40°	2455.6
42.5°	2214.8
45°	1913.8
47.5°	1561.0
50°	1193.5
52.5°	857.3
55°	587.4
57.5°	384.0
60°	257.4
62.5°	176.4
65°	122.5
67.5°	81.0
70°	54.0
72.5°	37.4
75°	29.1
77.5°	20.8
80°	12.5
82.5°	6.2
85°	4.2
87.5°	2.1
90°	0.0

(END OF REPORT)