

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: P251487

Luminaire Tested: **LSR8B70D010 EC8B70835 8LBS0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251487  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-18)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B70D010 EC8B70835 8LBS0MW  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3500 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8365.0 lumens  
Efficiency: N/A  
Efficacy: 110.2 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.27  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

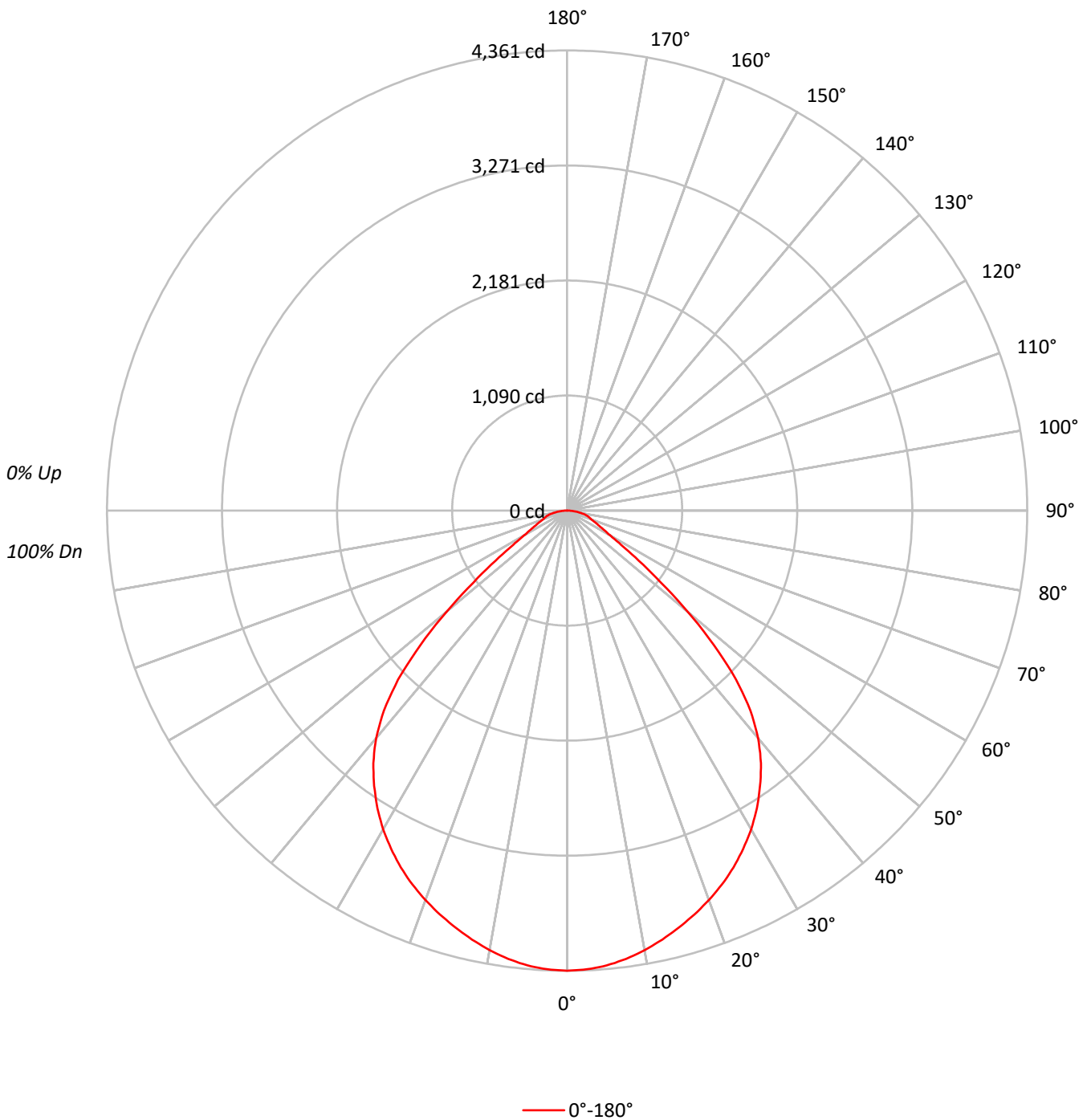
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	98	96	97	95	93	94	92	91	89
2	103	97	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	67	63	61
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33

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

	0°
0°	134477
5°	133938
10°	132437
15°	130598
20°	128892
25°	126934
30°	124175
35°	120010
40°	113440
45°	98805
50°	71451
55°	44482
60°	28968
65°	23794
70°	21945
75°	23781
80°	24204
85°	21511



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	409.9	4.9
10°-20°	1154.1	13.8
20°-30°	1716.8	20.5
30°-40°	1987.1	23.8
40°-50°	1705.1	20.4
50°-60°	784.1	9.4
60°-70°	332.9	4.0
70°-80°	206.2	2.5
80°-90°	68.8	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°	3280.7	39.2
0°-40°	5267.9	63.0
0°-60°	7757.1	92.7
0°-90°	8365.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8365.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4361	
5°	4327	410
15°	4091	1154
25°	3731	1717
35°	3188	1987
45°	2266	1705
55°	827	784
65°	326	333
75°	200	206
85°	61	69
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4361.0
2.5°	4351.3
5°	4327.0
7.5°	4285.6
10°	4229.6
12.5°	4163.9
15°	4090.9
17.5°	4013.0
20°	3927.8
22.5°	3835.4
25°	3730.7
27.5°	3613.9
30°	3487.4
32.5°	3346.2
35°	3188.0
37.5°	3017.7
40°	2818.1
42.5°	2572.3
45°	2265.7
47.5°	1888.5
50°	1489.4
52.5°	1119.5
55°	827.4
57.5°	608.4
60°	469.7
62.5°	384.5
65°	326.1
67.5°	279.9
70°	243.4
72.5°	221.5
75°	199.6
77.5°	170.4
80°	136.3
82.5°	97.3
85°	60.8
87.5°	26.8
90°	0.0

(END OF REPORT)