

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: P251497

Luminaire Tested: **LSR8B70D010 EC8B70935 8LBS0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251497  
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 EC8B70935 8LBS0MW  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 3500 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7134.0 lumens  
Efficiency: N/A  
Efficacy: 94.0 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

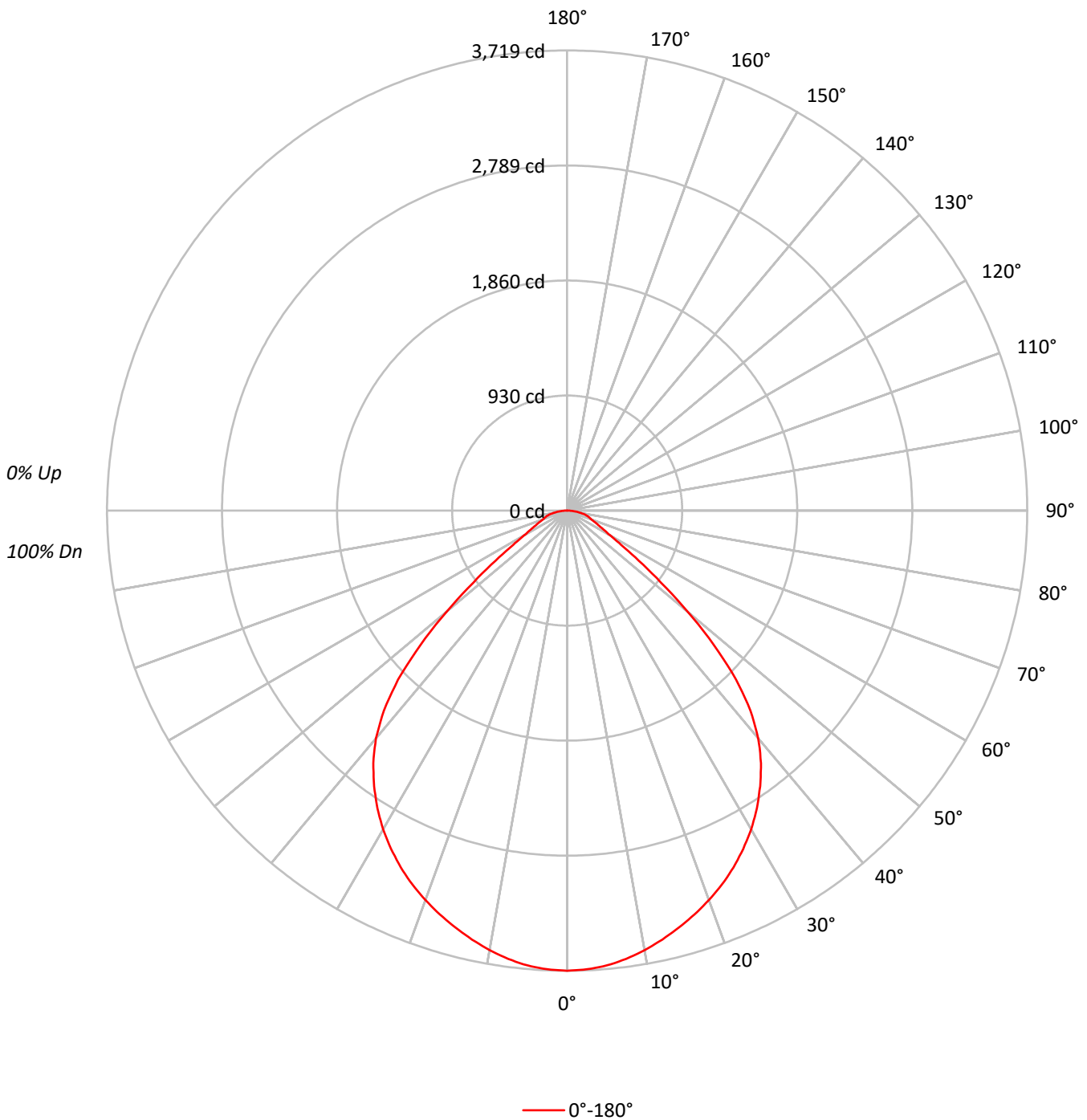
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	114690
5°	114227
10°	112949
15°	111380
20°	109925
25°	108255
30°	105901
35°	102351
40°	96746
45°	84266
50°	60935
55°	37939
60°	24706
65°	20292
70°	18708
75°	20278
80°	20635
85°	18363



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	349.6	4.9
10°-20°	984.2	13.8
20°-30°	1464.1	20.5
30°-40°	1694.7	23.8
40°-50°	1454.2	20.4
50°-60°	668.7	9.4
60°-70°	283.9	4.0
70°-80°	175.9	2.5
80°-90°	58.7	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°	2798.0	39.2
0°-40°	4492.7	63.0
0°-60°	6615.6	92.7
0°-90°	7134.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7134.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3719	
5°	3690	350
15°	3489	984
25°	3182	1464
35°	2719	1695
45°	1932	1454
55°	706	669
65°	278	284
75°	170	176
85°	52	59
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3719.3
2.5°	3711.0
5°	3690.2
7.5°	3654.9
10°	3607.2
12.5°	3551.1
15°	3488.9
17.5°	3422.5
20°	3349.8
22.5°	3271.0
25°	3181.7
27.5°	3082.1
30°	2974.2
32.5°	2853.8
35°	2718.9
37.5°	2573.6
40°	2403.4
42.5°	2193.8
45°	1932.3
47.5°	1610.6
50°	1270.2
52.5°	954.7
55°	705.7
57.5°	518.9
60°	400.6
62.5°	327.9
65°	278.1
67.5°	238.7
70°	207.5
72.5°	188.9
75°	170.2
77.5°	145.3
80°	116.2
82.5°	83.0
85°	51.9
87.5°	22.8
90°	0.0

(END OF REPORT)