

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: P251503

Luminaire Tested: **LD8B70D010 ER8B709727 8LBS0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251503  
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: LD8B70D010 ER8B709727 8LBS0MW  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 2700 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5824.0 lumens  
Efficiency: N/A  
Efficacy: 76.7 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.27  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

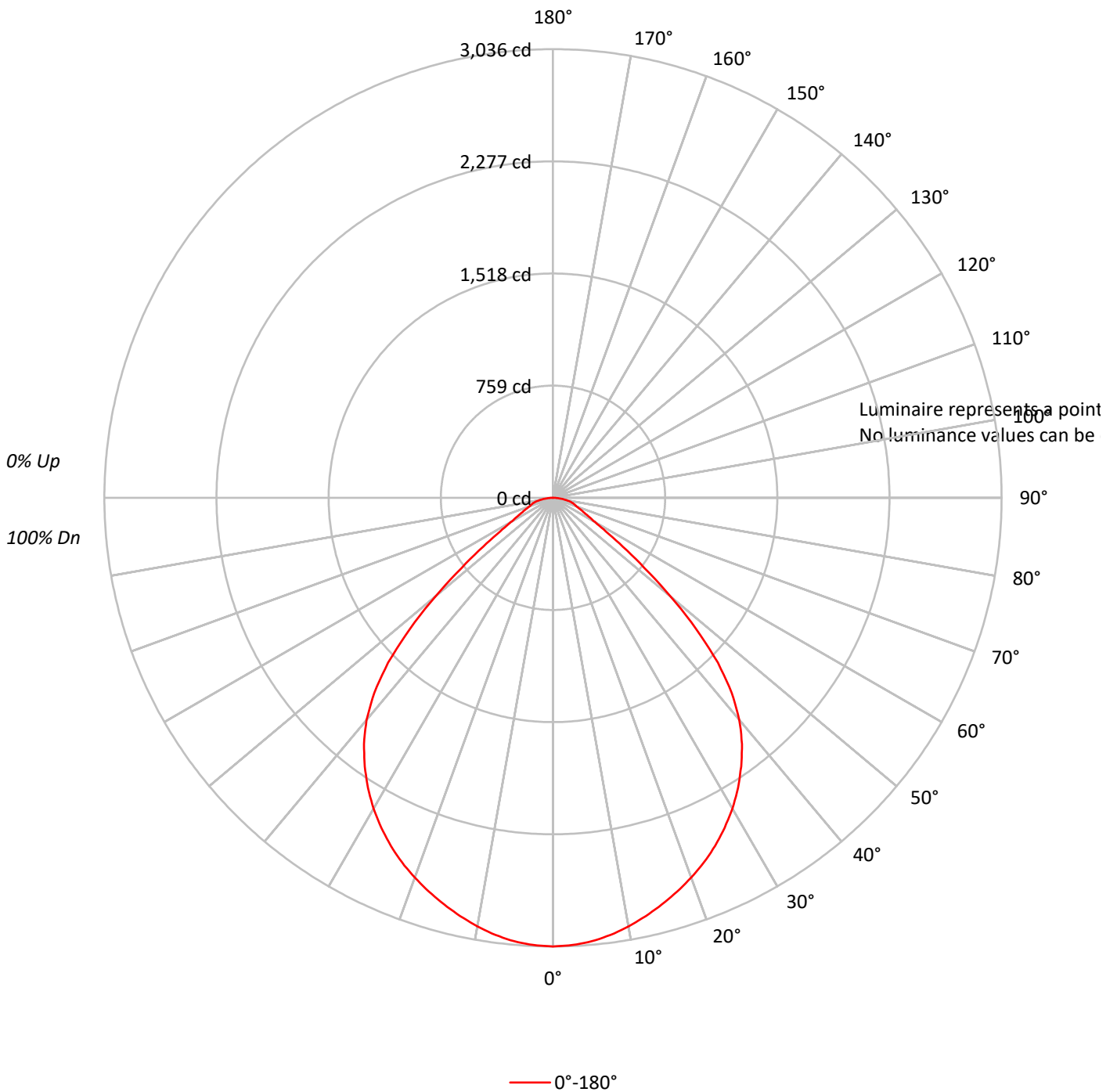
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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):**





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	285.4	4.9
10°-20°	803.5	13.8
20°-30°	1195.3	20.5
30°-40°	1383.5	23.8
40°-50°	1187.2	20.4
50°-60°	545.9	9.4
60°-70°	231.7	4.0
70°-80°	143.6	2.5
80°-90°	47.9	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°	2284.2	39.2
0°-40°	3667.7	63.0
0°-60°	5400.8	92.7
0°-90°	5824.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5824.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3036	
5°	3013	285
15°	2848	804
25°	2598	1195
35°	2220	1384
45°	1578	1187
55°	576	546
65°	227	232
75°	139	144
85°	42	48
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3036.3
2.5°	3029.5
5°	3012.6
7.5°	2983.8
10°	2944.8
12.5°	2899.1
15°	2848.2
17.5°	2794.0
20°	2734.7
22.5°	2670.3
25°	2597.5
27.5°	2516.1
30°	2428.0
32.5°	2329.8
35°	2219.6
37.5°	2101.0
40°	1962.1
42.5°	1790.9
45°	1577.5
47.5°	1314.8
50°	1037.0
52.5°	779.4
55°	576.1
57.5°	423.6
60°	327.0
62.5°	267.7
65°	227.0
67.5°	194.9
70°	169.4
72.5°	154.2
75°	138.9
77.5°	118.6
80°	94.9
82.5°	67.8
85°	42.4
87.5°	18.6
90°	0.0

(END OF REPORT)