

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: P251015

Luminaire Tested: **LSR8B70D010 EC8B70840 8LBW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251015  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-44)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B70D010 EC8B70840 8LBW0WMH  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 4000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7275.0 lumens  
Efficiency: N/A  
Efficacy: 95.8 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.06  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

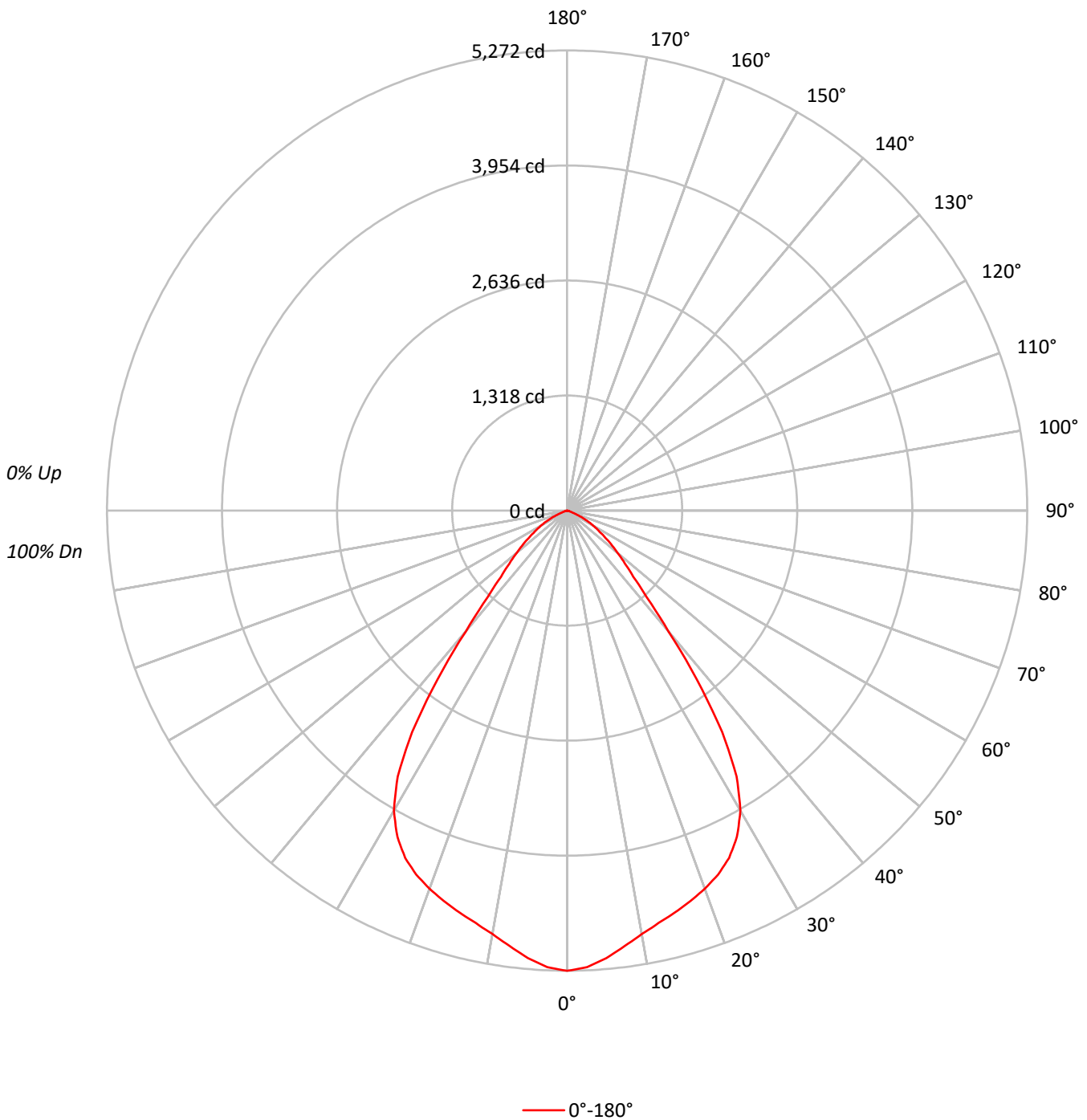
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	65	54	47	42	63	53	47	42	52	46	42	51	46	42	51	46	42	41

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

	0°
0°	162575
5°	159305
10°	154262
15°	152182
20°	151275
25°	149362
30°	141334
35°	116569
40°	72787
45°	46806
50°	36296
55°	27940
60°	21172
65°	13761
70°	5887
75°	2883
80°	1296
85°	849



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	484.1	6.7
10°-20°	1346.8	18.5
20°-30°	2006.0	27.6
30°-40°	1862.9	25.6
40°-50°	879.9	12.1
50°-60°	472.7	6.5
60°-70°	189.8	2.6
70°-80°	29.9	0.4
80°-90°	2.9	0.0
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°	3836.8	52.7
0°-40°	5699.7	78.3
0°-60°	7052.4	96.9
0°-90°	7275.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7275.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5272	
5°	5146	484
15°	4767	1347
25°	4390	2006
35°	3097	1863
45°	1073	880
55°	520	473
65°	189	190
75°	24	30
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5272.2
2.5°	5236.0
5°	5146.5
7.5°	5032.9
10°	4926.6
12.5°	4839.5
15°	4767.0
17.5°	4692.1
20°	4609.9
22.5°	4515.6
25°	4389.9
27.5°	4213.4
30°	3969.3
32.5°	3611.5
35°	3096.6
37.5°	2439.1
40°	1808.2
42.5°	1346.5
45°	1073.3
47.5°	896.8
50°	756.6
52.5°	630.9
55°	519.7
57.5°	423.0
60°	343.3
62.5°	268.3
65°	188.6
67.5°	111.2
70°	65.3
72.5°	38.7
75°	24.2
77.5°	14.5
80°	7.3
82.5°	4.8
85°	2.4
87.5°	0.0
90°	0.0

(END OF REPORT)