

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: P244720

Luminaire Tested: **LD8B40D010 ER8B40950 8LBW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244720  
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: LD8B40D010 ER8B40950 8LBW0WMH  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 5000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3947.0 lumens  
Efficiency: N/A  
Efficacy: 96.5 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

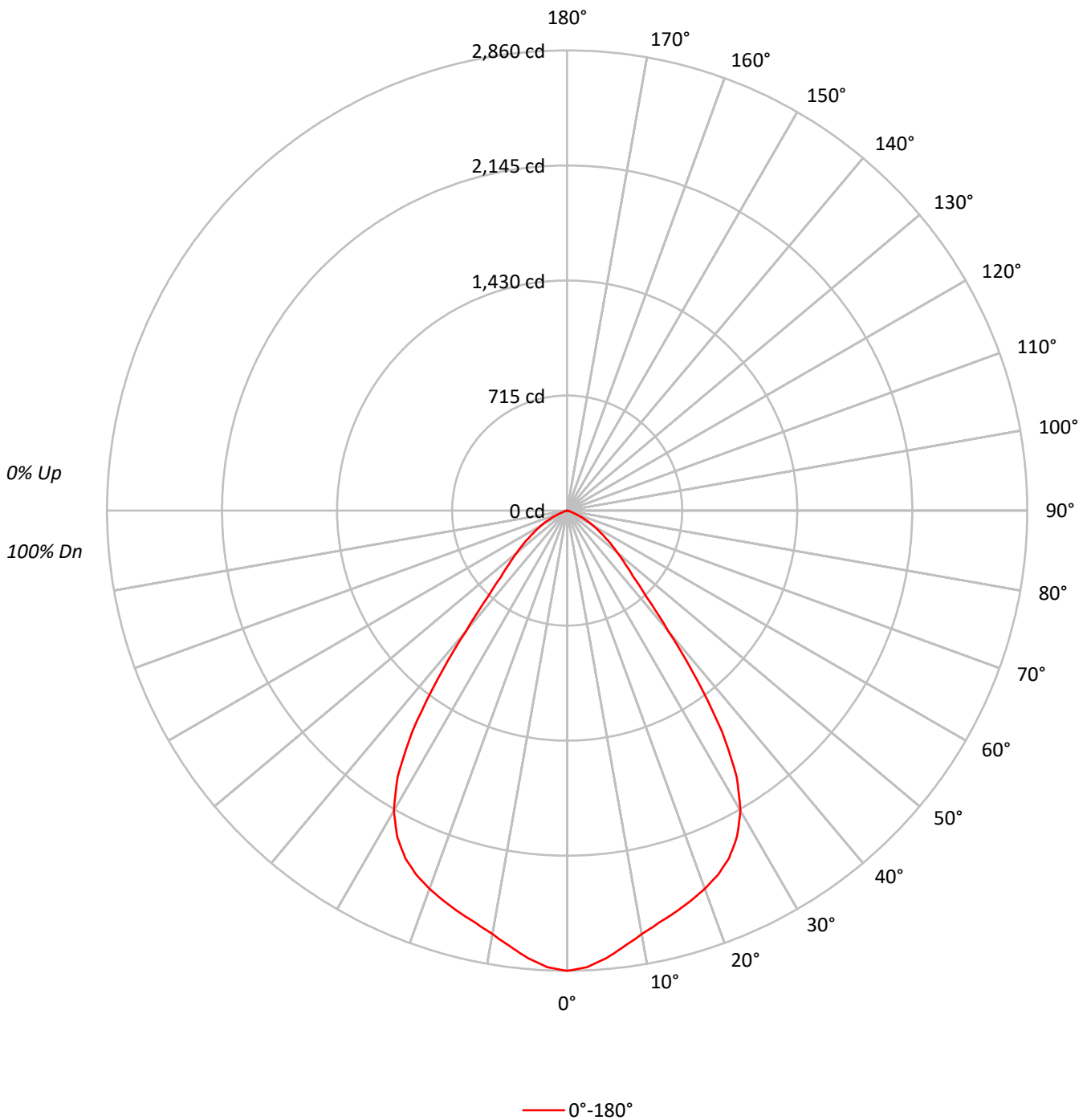
Input Watts (W): 40.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	88204
5°	86430
10°	83694
15°	82565
20°	82074
25°	81035
30°	76679
35°	63246
40°	39489
45°	25394
50°	19693
55°	15161
60°	11483
65°	7464
70°	3192
75°	1561
80°	693
85°	460



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	262.6	6.7
10°-20°	730.7	18.5
20°-30°	1088.3	27.6
30°-40°	1010.7	25.6
40°-50°	477.4	12.1
50°-60°	256.5	6.5
60°-70°	103.0	2.6
70°-80°	16.2	0.4
80°-90°	1.6	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°	2081.6	52.7
0°-40°	3092.4	78.3
0°-60°	3826.2	96.9
0°-90°	3947.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3947.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2860	
5°	2792	263
15°	2586	731
25°	2382	1088
35°	1680	1011
45°	582	477
55°	282	256
65°	102	103
75°	13	16
85°	1	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2860.4
2.5°	2840.7
5°	2792.2
7.5°	2730.6
10°	2672.9
12.5°	2625.7
15°	2586.3
17.5°	2545.7
20°	2501.1
22.5°	2449.9
25°	2381.7
27.5°	2286.0
30°	2153.5
32.5°	1959.4
35°	1680.1
37.5°	1323.3
40°	981.0
42.5°	730.5
45°	582.3
47.5°	486.6
50°	410.5
52.5°	342.3
55°	282.0
57.5°	229.5
60°	186.2
62.5°	145.6
65°	102.3
67.5°	60.3
70°	35.4
72.5°	21.0
75°	13.1
77.5°	7.9
80°	3.9
82.5°	2.6
85°	1.3
87.5°	0.0
90°	0.0

(END OF REPORT)