

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: P244492

Luminaire Tested: **LD8B40D010 ER8B40935 8LBS0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244492  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-13)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B40D010 ER8B40935 8LBS0H  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4114.0 lumens  
Efficiency: N/A  
Efficacy: 100.6 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.23  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

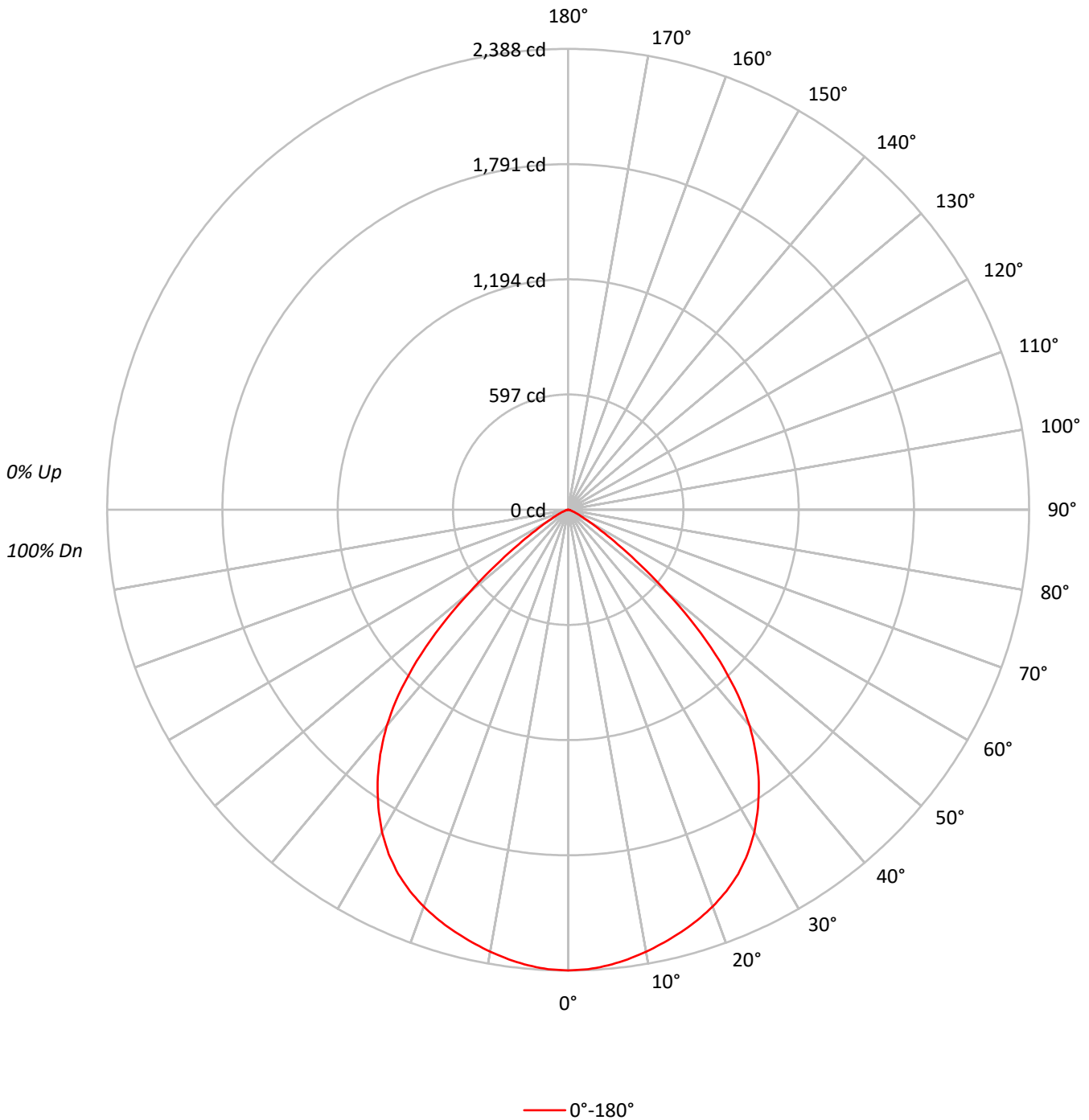
Input Watts (W): 40.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69	76	72	68	74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62	70	65	61	69	64	60	59
6	80	69	61	56	78	68	61	56	66	60	56	65	59	55	63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

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

	0°
0°	73622
5°	73377
10°	72819
15°	72305
20°	71816
25°	70872
30°	68682
35°	64801
40°	58896
45°	48458
50°	32300
55°	16827
60°	7931
65°	4159
70°	2074
75°	1442
80°	1083
85°	849



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	224.9	5.5
10°-20°	639.3	15.5
20°-30°	956.3	23.2
30°-40°	1069.6	26.0
40°-50°	839.1	20.4
50°-60°	306.2	7.4
60°-70°	62.4	1.5
70°-80°	13.4	0.3
80°-90°	2.8	0.1
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°	1820.4	44.2
0°-40°	2890.0	70.2
0°-60°	4035.4	98.1
0°-90°	4114.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4114.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2388	
5°	2370	225
15°	2265	639
25°	2083	956
35°	1721	1070
45°	1111	839
55°	313	306
65°	57	62
75°	12	13
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2387.5
2.5°	2383.8
5°	2370.5
7.5°	2351.1
10°	2325.6
12.5°	2296.5
15°	2264.9
17.5°	2229.8
20°	2188.5
22.5°	2140.0
25°	2083.0
27.5°	2012.6
30°	1928.9
32.5°	1830.6
35°	1721.4
37.5°	1598.9
40°	1463.1
42.5°	1301.7
45°	1111.2
47.5°	896.5
50°	673.3
52.5°	471.9
55°	313.0
57.5°	200.2
60°	128.6
62.5°	84.9
65°	57.0
67.5°	36.4
70°	23.0
72.5°	15.8
75°	12.1
77.5°	8.5
80°	6.1
82.5°	3.6
85°	2.4
87.5°	1.2
90°	0.0

(END OF REPORT)