

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: P244078

Luminaire Tested: **LD8B40D010 ER8B40927 8LBSOLI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244078  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-12)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B40D010 ER8B40927 8LBSOLI  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 2700 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3885.8 lumens  
Efficiency: N/A  
Efficacy: 95.0 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.24  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

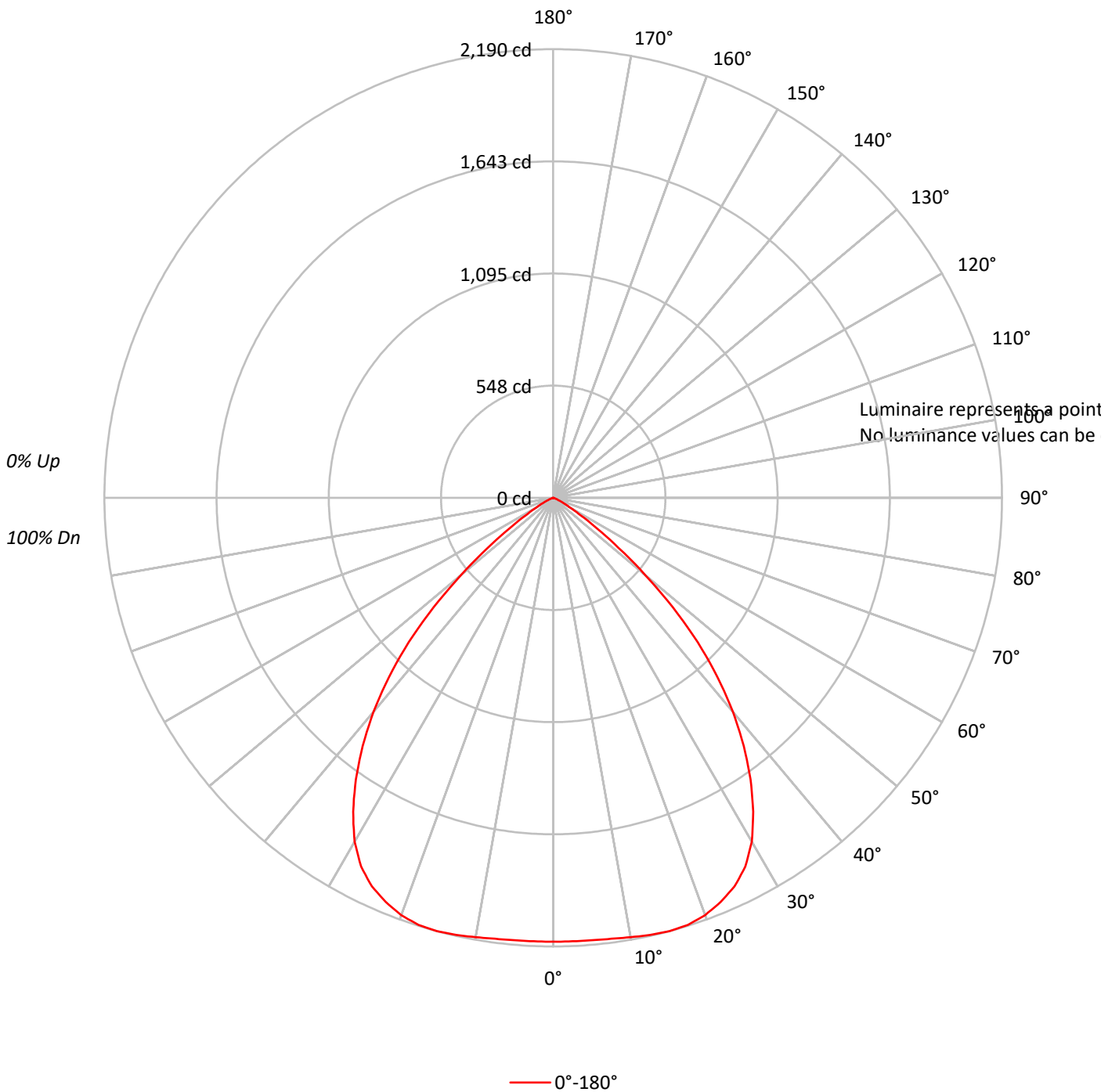
Input Watts (W): 40.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	97	96	96	94	93	91
2	105	99	95	91	103	98	93	90	94	91	88	91	88	86	88	86	84	82
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66
5	86	76	69	63	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	80	70	62	57	79	69	62	57	67	61	56	66	60	56	64	59	56	54
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49
8	71	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41
10	62	51	44	39	61	50	44	39	50	43	39	49	43	39	48	43	39	37

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	207.2	5.3
10°-20°	618.8	15.9
20°-30°	958.7	24.7
30°-40°	1041.1	26.8
40°-50°	756.5	19.5
50°-60°	257.1	6.6
60°-70°	41.0	1.1
70°-80°	4.4	0.1
80°-90°	0.9	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°	1784.7	45.9
0°-40°	2825.8	72.7
0°-60°	3839.5	98.8
0°-90°	3885.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3885.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2166	
5°	2168	207
15°	2190	619
25°	2093	959
35°	1678	1041
45°	996	757
55°	262	257
65°	36	41
75°	3	4
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2166.5
2.5°	2166.5
5°	2167.6
7.5°	2171.0
10°	2177.7
12.5°	2185.4
15°	2189.9
17.5°	2185.4
20°	2167.6
22.5°	2135.4
25°	2093.0
27.5°	2029.4
30°	1938.0
32.5°	1816.5
35°	1678.4
37.5°	1528.0
40°	1364.1
42.5°	1186.9
45°	996.3
47.5°	791.3
50°	587.4
52.5°	402.3
55°	261.9
57.5°	159.4
60°	95.9
62.5°	59.1
65°	35.7
67.5°	20.0
70°	8.9
72.5°	5.6
75°	3.4
77.5°	2.2
80°	2.2
82.5°	1.1
85°	1.1
87.5°	0.0
90°	0.0

(END OF REPORT)