

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: P244030

Luminaire Tested: **LD8B40D010 ER8B40835 8LBSOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244030
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 ER8B40835 8LBSOLI
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3500 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4959.9 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.24
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

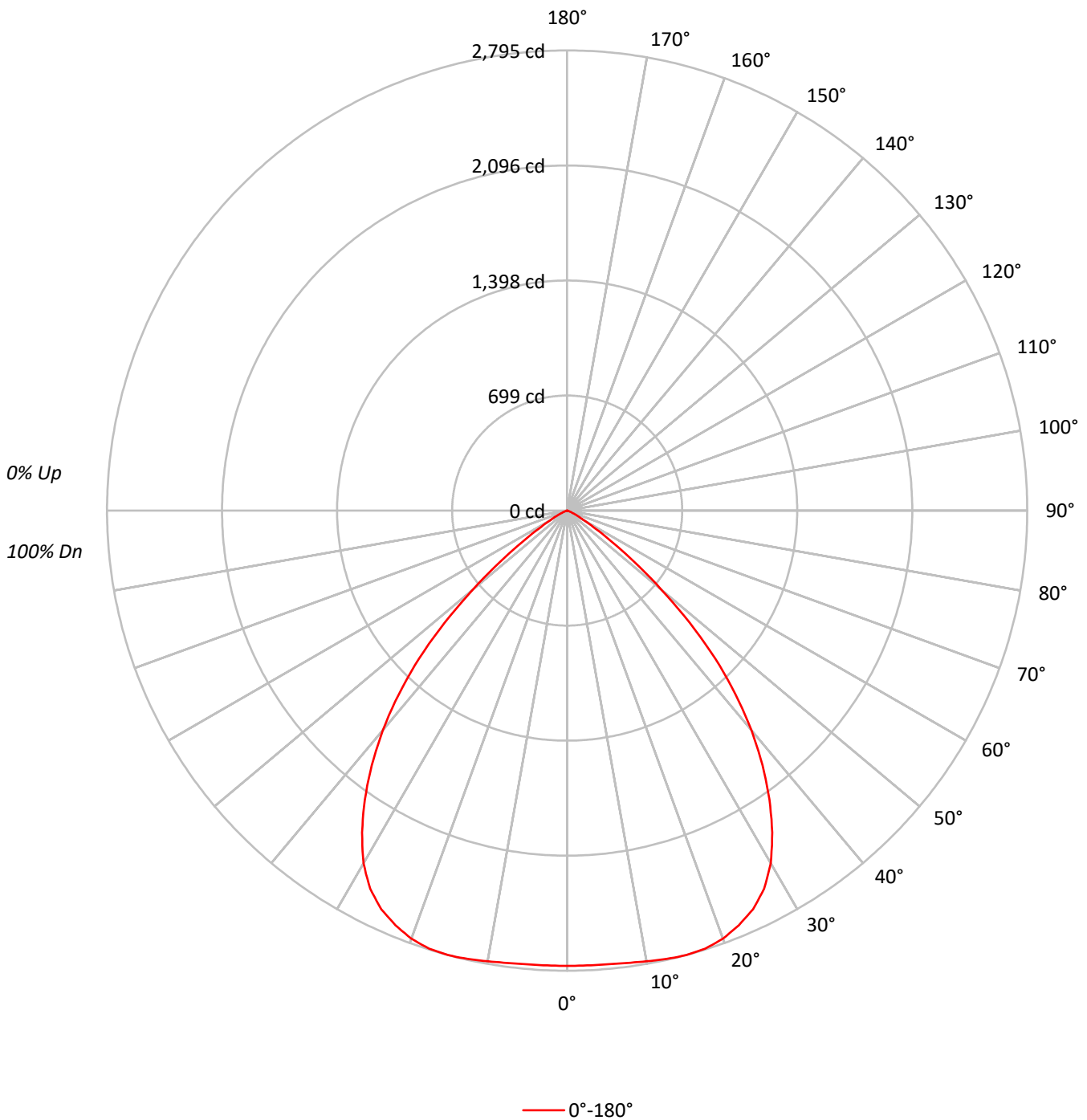
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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):

	0°
0°	85278
5°	85647
10°	87038
15°	89237
20°	90797
25°	90899
30°	88084
35°	80649
40°	70090
45°	55462
50°	35965
55°	17972
60°	7543
65°	3320
70°	1028
75°	512
80°	497
85°	495



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.5	5.3
10°-20°	789.9	15.9
20°-30°	1223.7	24.7
30°-40°	1328.9	26.8
40°-50°	965.7	19.5
50°-60°	328.2	6.6
60°-70°	52.3	1.1
70°-80°	5.6	0.1
80°-90°	1.1	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°	2278.1	45.9
0°-40°	3607.0	72.7
0°-60°	4900.9	98.8
0°-90°	4959.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4959.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2766	
5°	2767	265
15°	2795	790
25°	2672	1224
35°	2142	1329
45°	1272	966
55°	334	328
65°	46	52
75°	4	6
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2765.5
2.5°	2765.5
5°	2766.9
7.5°	2771.2
10°	2779.7
12.5°	2789.7
15°	2795.3
17.5°	2789.7
20°	2766.9
22.5°	2725.6
25°	2671.6
27.5°	2590.5
30°	2473.8
32.5°	2318.8
35°	2142.4
37.5°	1950.3
40°	1741.2
42.5°	1515.0
45°	1271.8
47.5°	1010.0
50°	749.7
52.5°	513.5
55°	334.3
57.5°	203.4
60°	122.3
62.5°	75.4
65°	45.5
67.5°	25.6
70°	11.4
72.5°	7.1
75°	4.3
77.5°	2.8
80°	2.8
82.5°	1.4
85°	1.4
87.5°	0.0
90°	0.0

(END OF REPORT)