

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: P244936

Luminaire Tested: **LD8B40D010 ER8B40950 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244936
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-14)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B40D010 ER8B40950 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4362.0 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

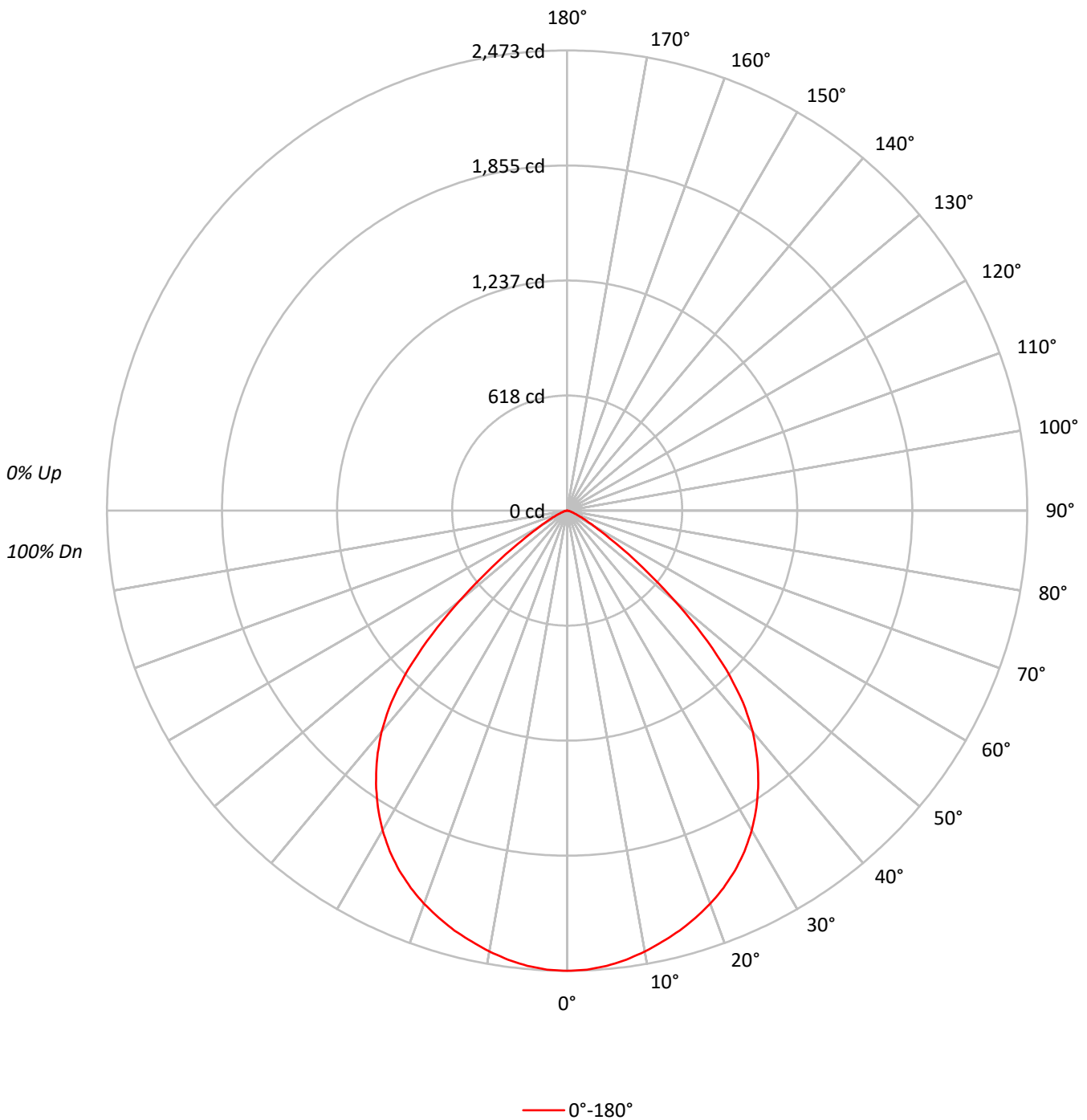
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	74	67	62	83	73	67	61	71	65	61	70	64	60	68	63	60	58
6	79	68	61	55	77	67	60	55	66	59	55	64	58	54	63	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	54	48	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	76264
5°	76026
10°	75346
15°	74597
20°	73795
25°	72631
30°	70637
35°	67417
40°	62478
45°	52754
50°	36191
55°	19962
60°	10034
65°	5647
70°	3074
75°	2192
80°	1403
85°	920



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.8	5.3
10°-20°	659.0	15.1
20°-30°	981.1	22.5
30°-40°	1114.5	25.6
40°-50°	911.0	20.9
50°-60°	357.0	8.2
60°-70°	83.2	1.9
70°-80°	20.0	0.5
80°-90°	3.2	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°	1873.0	42.9
0°-40°	2987.5	68.5
0°-60°	4255.5	97.6
0°-90°	4362.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4362.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2473	
5°	2456	233
15°	2337	659
25°	2135	981
35°	1791	1115
45°	1210	911
55°	371	357
65°	77	83
75°	18	20
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2473.2
2.5°	2469.3
5°	2456.1
7.5°	2433.8
10°	2406.3
12.5°	2372.2
15°	2336.7
17.5°	2294.8
20°	2248.8
22.5°	2195.0
25°	2134.7
27.5°	2063.8
30°	1983.8
32.5°	1893.3
35°	1790.9
37.5°	1678.1
40°	1552.1
42.5°	1399.9
45°	1209.7
47.5°	986.7
50°	754.4
52.5°	541.9
55°	371.3
57.5°	242.7
60°	162.7
62.5°	111.5
65°	77.4
67.5°	51.2
70°	34.1
72.5°	23.6
75°	18.4
77.5°	13.1
80°	7.9
82.5°	3.9
85°	2.6
87.5°	1.3
90°	0.0

(END OF REPORT)