

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: P247362

Luminaire Tested: **LD8B80D010 ER8B80935 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247362
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-84)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B80D010 ER8B80935 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7646.0 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.2 / 1.23
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

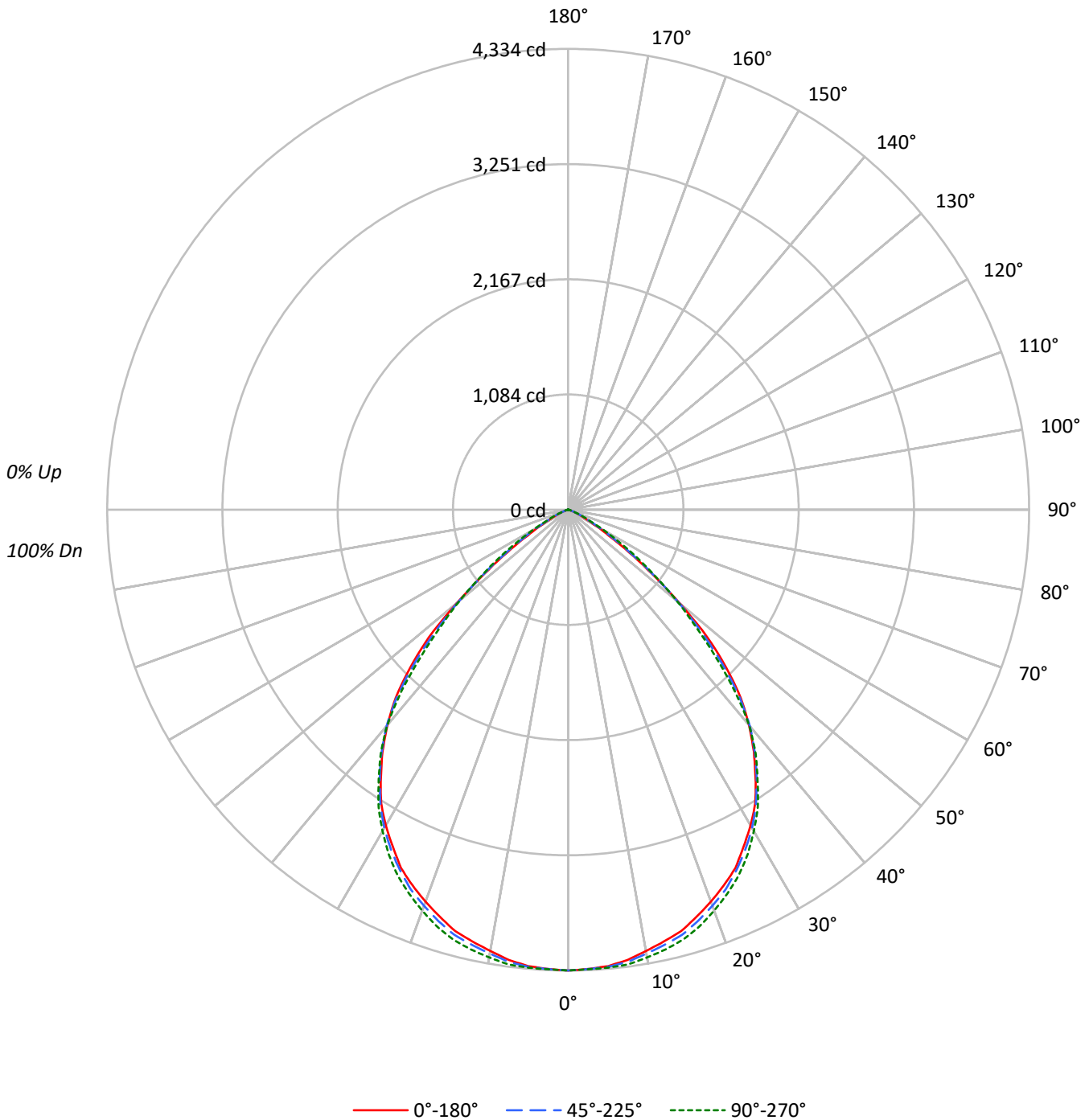
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91					91			
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81					81			
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72					72			
4	91	81	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64					64			
5	85	74	67	62	83	73	66	61	71	65	61	70	64	60	68	63	60	58					58			
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52					52			
7	74	62	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47					47			
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	54	48	44	43					43			
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39					39			
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36					36			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	133642	133642	133642
5°	133360	133570	133808
10°	131936	132713	133887
15°	131004	132147	133564
20°	128728	130073	131668
25°	126508	127318	129091
30°	122127	123100	124253
35°	115568	116275	116885
40°	106415	106931	106657
45°	91745	89329	85757
50°	65497	64514	63737
55°	37595	39843	43144
60°	17830	20882	24139
65°	8398	10142	11638
70°	3922	4382	4995
75°	1835	2645	3050
80°	1509	1367	2113
85°	601	1521	920



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	409.5	5.4
10°-20°	1165.2	15.2
20°-30°	1721.5	22.5
30°-40°	1923.6	25.2
40°-50°	1553.0	20.3
50°-60°	690.8	9.0
60°-70°	155.6	2.0
70°-80°	24.0	0.3
80°-90°	2.9	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°	3296.2	43.1
0°-40°	5219.8	68.3
0°-60°	7463.5	97.6
0°-90°	7646.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7646.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4334	4334	4334	4334	4334	
5°	4308	4307	4315	4316	4323	408
15°	4104	4106	4139	4170	4184	1154
25°	3718	3718	3742	3773	3794	1705
35°	3070	3068	3089	3092	3105	1914
45°	2104	2088	2048	1976	1966	1591
55°	699	710	741	779	802	658
65°	115	130	139	151	160	134
75°	15	21	22	21	26	20
85°	2	3	4	9	3	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4333.9	4333.9	4333.9	4333.9	4333.9
2.5°	4322.8	4320.2	4324.5	4321.9	4326.2
5°	4308.3	4307.4	4315.1	4316.0	4322.8
7.5°	4270.8	4271.6	4287.8	4299.8	4313.4
10°	4213.6	4217.0	4238.4	4264.8	4275.9
12.5°	4159.0	4163.3	4190.6	4227.3	4235.8
15°	4103.6	4106.2	4139.4	4170.1	4183.8
17.5°	4013.2	4030.3	4055.9	4090.8	4108.7
20°	3922.8	3934.8	3963.8	4002.1	4012.4
22.5°	3823.9	3836.7	3865.7	3897.2	3908.3
25°	3718.2	3718.2	3742.0	3772.7	3794.1
27.5°	3570.6	3588.5	3605.6	3632.9	3654.2
30°	3429.9	3436.7	3457.2	3479.4	3489.6
32.5°	3273.9	3274.7	3284.1	3308.8	3318.2
35°	3070.0	3068.3	3088.8	3092.2	3105.0
37.5°	2866.2	2874.7	2882.4	2894.4	2895.2
40°	2643.6	2647.9	2656.4	2643.6	2649.6
42.5°	2401.5	2395.5	2379.3	2340.9	2324.7
45°	2103.8	2087.6	2048.4	1975.9	1966.5
47.5°	1775.5	1735.4	1687.7	1633.9	1623.7
50°	1365.3	1368.7	1344.8	1326.9	1328.6
52.5°	995.2	1007.1	1013.1	1030.2	1039.5
55°	699.3	709.5	741.1	779.4	802.5
57.5°	452.8	472.4	513.4	556.9	573.1
60°	289.1	301.9	338.6	370.1	391.4
62.5°	189.3	193.6	214.0	243.0	243.9
65°	115.1	129.6	139.0	150.9	159.5
67.5°	75.0	75.0	83.6	94.7	97.2
70°	43.5	44.3	48.6	52.9	55.4
72.5°	23.9	26.4	29.0	33.3	37.5
75°	15.4	21.3	22.2	21.3	25.6
77.5°	10.2	10.2	8.5	14.5	15.4
80°	8.5	6.0	7.7	11.1	11.9
82.5°	0.0	0.9	0.9	1.7	0.0
85°	1.7	2.6	4.3	9.4	2.6
87.5°	0.0	2.6	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)