

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: P248085

Luminaire Tested: **LD8B175D010 ER8B1759727 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248085
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-93)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B1759727 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13612.0 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.22
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

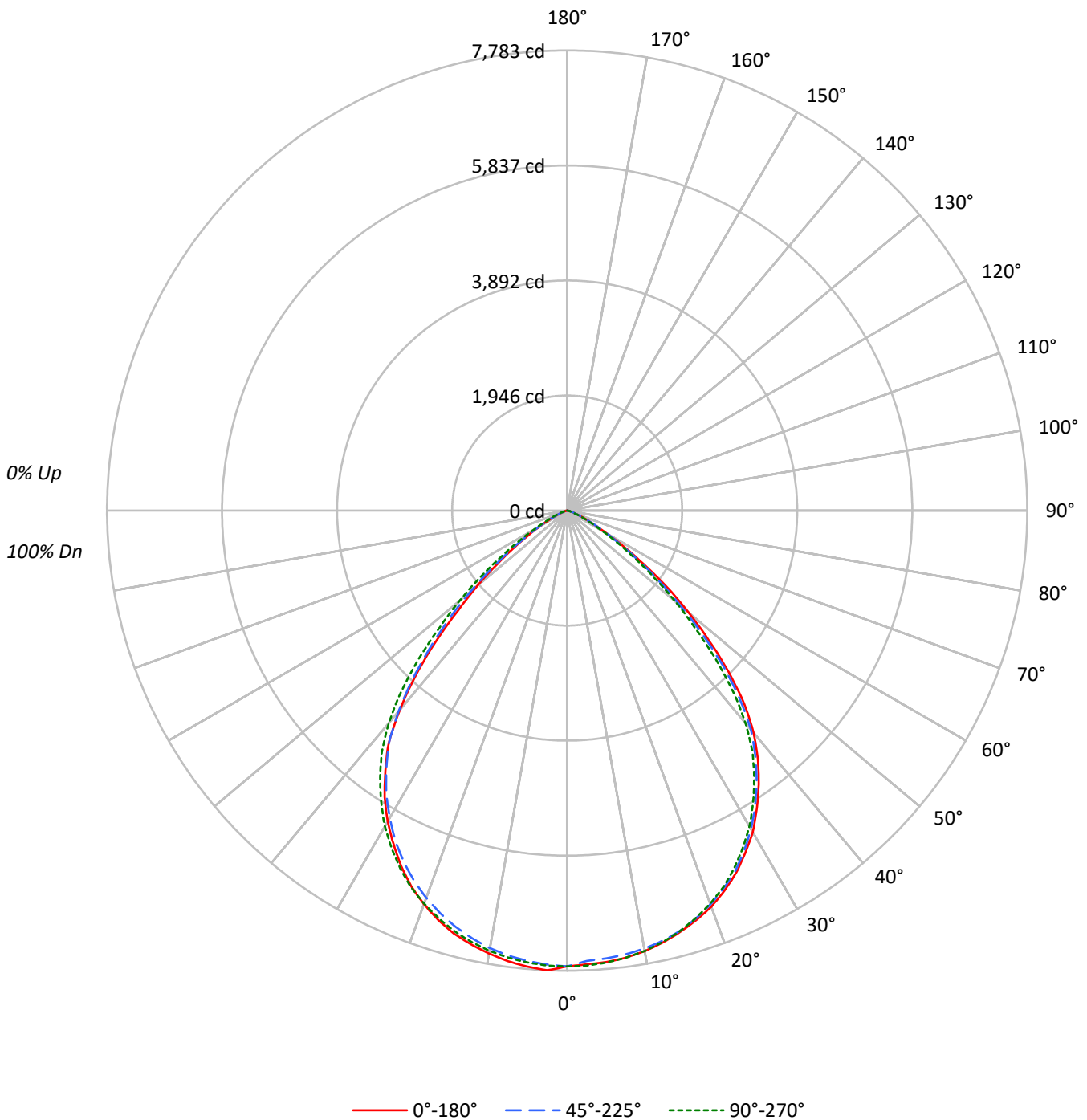
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	93	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	69	66	64
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	54	52
7	74	62	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	57	50	45	68	57	50	45	56	49	45	54	49	45	53	48	44	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39
10	61	49	42	38	60	49	42	38	48	42	38	47	41	37	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	Luminaire represents a point source (luminous area is zero).		
5°	No luminance values can be calculated.		
10°			
15°			
20°			
25°			
30°			
35°			
40°			
45°			
50°			
55°			
60°			
65°			
70°			
75°			
80°			
85°			



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	728.1	5.3
10°-20°	2073.8	15.2
20°-30°	3063.6	22.5
30°-40°	3414.1	25.1
40°-50°	2696.2	19.8
50°-60°	1245.1	9.1
60°-70°	319.9	2.3
70°-80°	61.6	0.5
80°-90°	9.6	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°	5865.5	43.1
0°-40°	9279.6	68.2
0°-60°	13220.9	97.1
0°-90°	13612.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13612.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7710	7710	7710	7710	7710	
5°	7665	7604	7673	7649	7741	729
15°	7379	7361	7365	7288	7405	2082
25°	6761	6729	6680	6546	6640	3107
35°	5652	5589	5516	5332	5362	3519
45°	3862	3749	3554	3270	3156	2947
55°	1572	1482	1370	1173	1104	1457
65°	341	346	305	234	217	375
75°	57	60	61	46	38	68
85°	9	9	7	4	3	12
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	7709.7	7709.7	7709.7	7709.7	7709.7	7709.7	7709.7	7709.7	7709.7
2.5°	7680.6	7716.7	7624.8	7699.4	7702.6	7649.9	7686.1	7729.3	7782.8
5°	7664.9	7701.8	7603.5	7672.7	7672.7	7615.3	7649.1	7686.9	7741.1
7.5°	7627.9	7668.0	7571.3	7635.8	7625.6	7562.7	7592.5	7629.5	7687.7
10°	7566.6	7616.1	7521.8	7583.1	7561.9	7489.5	7515.5	7554.0	7608.3
12.5°	7482.5	7541.4	7453.4	7506.8	7473.0	7390.5	7411.7	7461.2	7514.7
15°	7378.7	7439.2	7361.4	7407.8	7365.3	7273.4	7288.3	7338.6	7405.4
17.5°	7263.1	7322.1	7234.8	7285.2	7228.6	7133.4	7138.9	7197.1	7257.6
20°	7130.3	7179.0	7089.4	7137.4	7073.7	6969.1	6969.9	7021.8	7084.7
22.5°	6955.8	7006.9	6914.1	6954.2	6896.0	6784.4	6771.0	6821.3	6881.9
25°	6760.8	6814.3	6729.4	6743.5	6679.8	6564.3	6546.2	6583.1	6639.7
27.5°	6527.3	6580.0	6484.1	6502.2	6432.2	6321.3	6297.0	6316.6	6361.4
30°	6278.9	6311.9	6220.7	6235.7	6168.0	6036.8	5999.8	6026.5	6070.6
32.5°	5973.1	5996.7	5918.8	5926.7	5853.6	5740.4	5691.6	5699.5	5744.3
35°	5651.6	5664.1	5588.7	5590.2	5515.6	5400.8	5331.6	5327.7	5362.3
37.5°	5297.0	5305.7	5229.4	5225.5	5148.4	5024.2	4951.9	4939.3	4960.5
40°	4907.9	4919.7	4840.3	4815.1	4697.2	4555.7	4437.8	4415.7	4407.1
42.5°	4436.2	4404.0	4320.6	4278.2	4159.5	3977.9	3868.6	3835.6	3807.3
45°	3861.5	3835.6	3749.1	3653.2	3554.1	3417.3	3270.3	3179.9	3155.6
47.5°	3258.5	3227.9	3103.7	3019.6	2922.1	2859.2	2701.2	2562.0	2501.5
50°	2672.9	2639.1	2500.7	2438.6	2381.2	2287.7	2134.4	2009.4	1986.6
52.5°	2131.2	2080.1	1961.4	1897.0	1845.9	1742.1	1603.7	1531.4	1492.9
55°	1572.3	1564.4	1481.9	1435.5	1370.2	1287.7	1172.9	1118.7	1103.7
57.5°	1145.4	1116.3	1084.9	1045.6	989.0	885.2	814.4	773.6	770.4
60°	769.6	779.1	779.1	735.8	676.9	609.3	552.7	530.6	531.4
62.5°	516.5	522.8	521.2	502.3	456.7	401.7	364.8	349.0	349.8
65°	341.2	339.6	345.9	332.5	305.0	266.5	233.5	224.8	217.0
67.5°	217.0	219.3	217.0	209.9	193.4	165.9	143.9	130.5	126.6
70°	132.1	128.9	129.7	128.1	116.3	103.0	87.3	76.3	73.1
72.5°	79.4	81.8	82.5	84.9	83.3	73.9	62.9	55.0	53.5
75°	56.6	57.4	59.7	62.1	61.3	55.0	46.4	40.9	38.5
77.5°	42.5	42.5	44.0	47.2	44.8	39.3	33.0	28.3	26.7
80°	29.1	29.9	30.7	30.7	28.3	25.2	19.7	16.5	14.9
82.5°	17.3	18.1	17.3	17.3	15.7	12.6	9.4	8.6	7.9
85°	8.6	8.6	8.6	8.6	7.1	5.5	3.9	3.1	3.1
87.5°	3.9	3.9	3.9	3.1	2.4	1.6	1.6	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)