

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: P248089

Luminaire Tested: **LD8B200D010 ER8B200930 8LBSOWMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248089
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: LD8B200D010 ER8B200930 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19029.0 lumens
Efficiency: N/A
Efficacy: 85.2 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

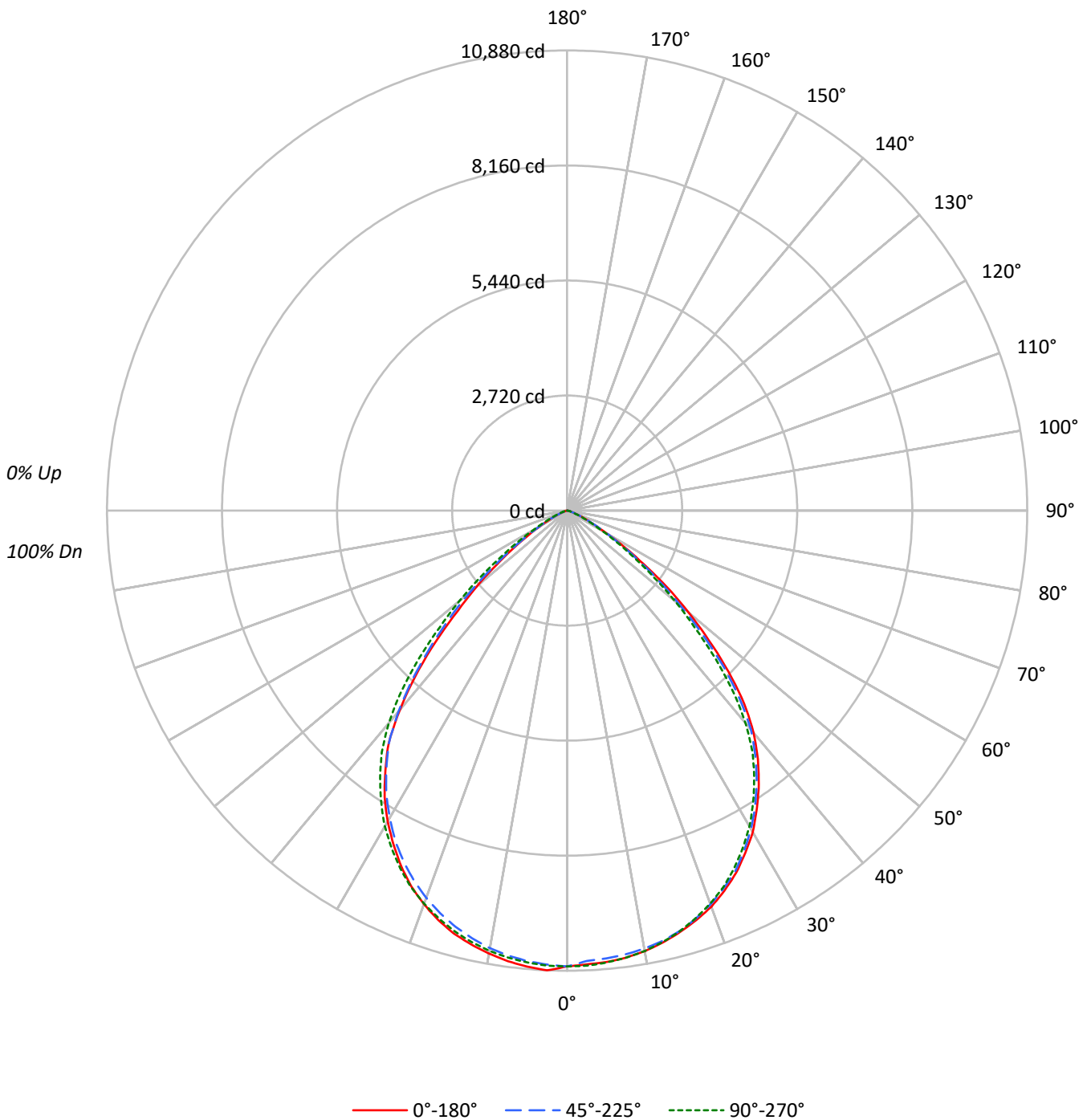
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1017.8	5.3
10°-20°	2899.0	15.2
20°-30°	4282.8	22.5
30°-40°	4772.7	25.1
40°-50°	3769.2	19.8
50°-60°	1740.6	9.1
60°-70°	447.2	2.3
70°-80°	86.1	0.5
80°-90°	13.5	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°	8199.7	43.1
0°-40°	12972.4	68.2
0°-60°	18482.2	97.1
0°-90°	19029.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19029.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10778	10778	10778	10778	10778	
5°	10715	10629	10726	10693	10822	###
15°	10315	10291	10296	10189	10352	2911
25°	9451	9407	9338	9151	9282	4343
35°	7901	7813	7710	7453	7496	4920
45°	5398	5241	4968	4572	4411	4120
55°	2198	2072	1916	1640	1543	2037
65°	477	484	426	326	303	524
75°	79	84	86	65	54	95
85°	12	12	10	6	4	17
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°	10777.7	10777.7	10777.7	10777.7	10777.7	10777.7	10777.7	10777.7	10777.7
2.5°	10737.2	10787.7	10659.1	10763.5	10767.9	10694.2	10744.8	10805.2	10880.0
5°	10715.1	10766.8	10629.4	10726.2	10726.2	10645.9	10693.1	10745.9	10821.7
7.5°	10663.5	10719.6	10584.4	10674.5	10660.1	10572.3	10614.1	10665.6	10747.0
10°	10577.8	10647.0	10515.1	10600.8	10571.1	10470.0	10506.3	10560.2	10636.0
12.5°	10460.2	10542.6	10419.5	10494.2	10446.9	10331.6	10361.3	10430.5	10505.2
15°	10315.1	10399.7	10290.9	10355.8	10296.4	10167.8	10188.8	10259.1	10352.4
17.5°	10153.6	10236.0	10114.0	10184.3	10105.1	9972.2	9979.9	10061.2	10145.8
20°	9967.8	10036.0	9910.6	9977.7	9888.7	9742.5	9743.6	9816.1	9904.0
22.5°	9723.9	9795.3	9665.6	9721.6	9640.4	9484.2	9465.6	9535.9	9620.5
25°	9451.3	9526.0	9407.3	9427.2	9338.2	9176.5	9151.3	9203.0	9282.1
27.5°	9124.9	9198.5	9064.4	9089.7	8991.9	8837.0	8802.9	8830.3	8893.0
30°	8777.7	8823.7	8696.3	8717.1	8622.6	8439.1	8387.4	8424.9	8486.4
32.5°	8350.1	8383.1	8274.3	8285.3	8183.1	8024.8	7956.6	7967.6	8030.3
35°	7900.6	7918.2	7812.7	7814.9	7710.5	7550.0	7453.3	7447.8	7496.2
37.5°	7405.0	7417.1	7310.5	7305.0	7197.3	7023.6	6922.5	6904.9	6934.6
40°	6861.0	6877.4	6766.5	6731.3	6566.5	6368.6	6203.8	6173.0	6160.9
42.5°	6201.6	6156.5	6040.1	5980.6	5814.7	5560.8	5408.2	5362.0	5322.4
45°	5398.2	5362.0	5241.1	5107.1	4968.5	4777.3	4571.8	4445.4	4411.4
47.5°	4555.3	4512.5	4338.8	4221.2	4084.9	3997.0	3776.1	3581.6	3497.0
50°	3736.5	3689.3	3495.8	3409.1	3328.8	3198.1	2983.8	2809.0	2777.2
52.5°	2979.4	2907.9	2742.0	2651.8	2580.4	2435.4	2241.9	2140.8	2087.0
55°	2197.9	2187.0	2071.6	2006.7	1915.6	1800.1	1639.7	1563.9	1542.9
57.5°	1601.2	1560.5	1516.6	1461.7	1382.5	1237.5	1138.6	1081.4	1077.1
60°	1075.9	1089.1	1089.1	1028.6	946.2	851.7	772.6	741.8	742.9
62.5°	722.0	730.8	728.6	702.3	638.5	561.6	509.9	488.0	489.1
65°	477.0	474.7	483.6	464.9	426.4	372.5	326.4	314.3	303.3
67.5°	303.3	306.6	303.3	293.5	270.4	231.9	201.1	182.4	176.9
70°	184.6	180.3	181.4	179.1	162.7	143.9	122.0	106.6	102.2
72.5°	111.0	114.3	115.4	118.7	116.5	103.4	87.9	76.9	74.8
75°	79.1	80.3	83.5	86.8	85.8	76.9	64.8	57.2	53.8
77.5°	59.3	59.3	61.5	65.9	62.7	54.9	46.2	39.6	37.3
80°	40.7	41.8	42.8	42.8	39.6	35.2	27.5	23.1	20.9
82.5°	24.2	25.2	24.2	24.2	22.0	17.6	13.2	12.1	11.0
85°	12.1	12.1	12.1	12.1	9.9	7.7	5.5	4.4	4.4
87.5°	5.5	5.5	5.5	4.4	3.3	2.2	2.2	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)