

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: P248086

Luminaire Tested: **LD8B200D010 ER8B200927 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248086
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 ER8B200927 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: 18050.6 lumens
Efficiency: N/A
Efficacy: 80.8 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

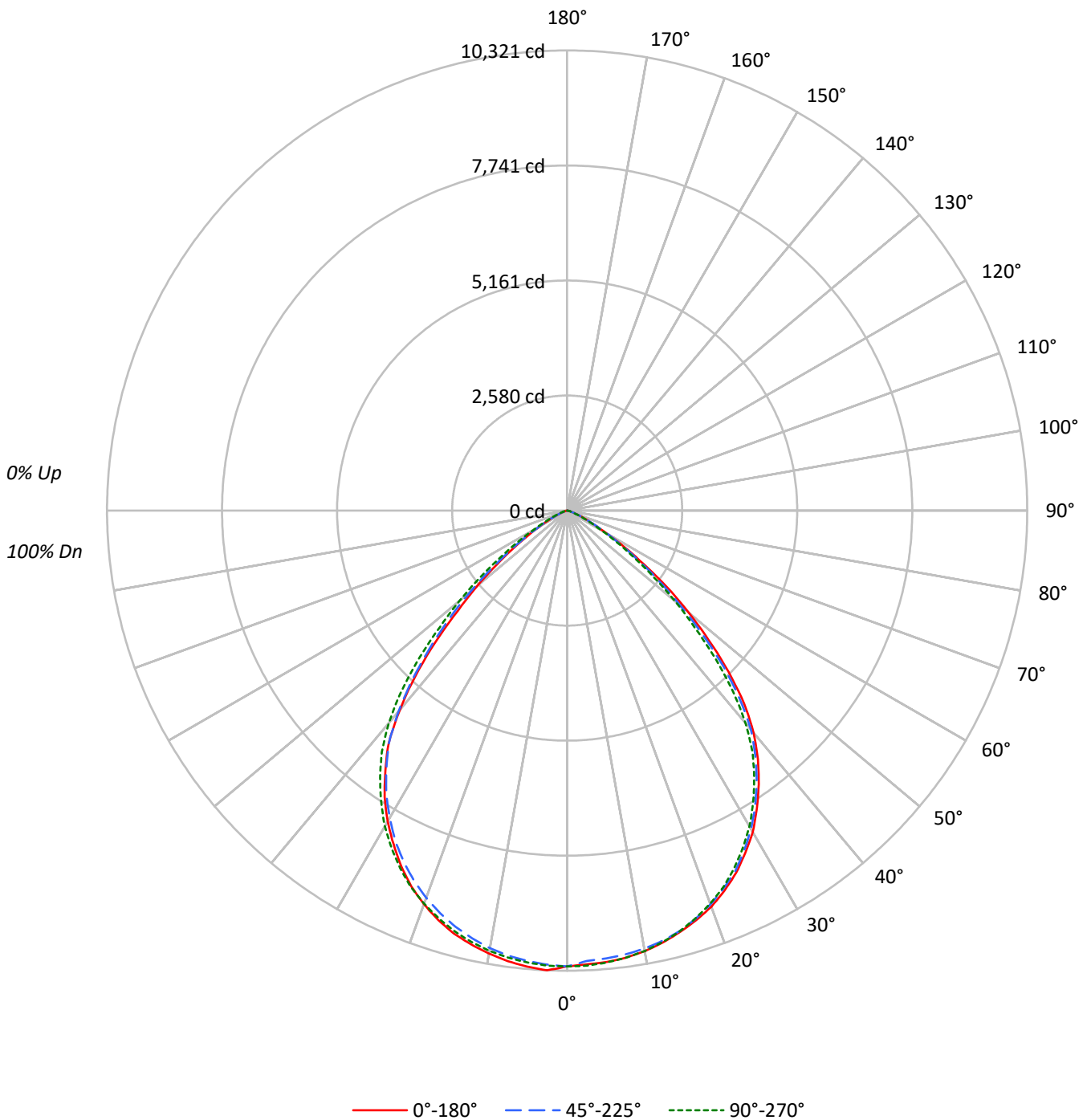
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	965.5	5.3
10°-20°	2750.0	15.2
20°-30°	4062.6	22.5
30°-40°	4527.4	25.1
40°-50°	3575.4	19.8
50°-60°	1651.1	9.1
60°-70°	424.2	2.3
70°-80°	81.7	0.5
80°-90°	12.8	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°	7778.1	43.1
0°-40°	12305.5	68.2
0°-60°	17532.0	97.1
0°-90°	18050.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18050.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10224	10224	10224	10224	10224	
5°	10164	10083	10175	10143	10265	966
15°	9785	9762	9767	9665	9820	2761
25°	8965	8924	8858	8681	8805	4120
35°	7494	7411	7314	7070	7111	4667
45°	5121	4972	4713	4337	4185	3908
55°	2085	1965	1817	1555	1464	1932
65°	452	459	404	310	288	497
75°	75	79	81	62	51	90
85°	12	12	9	5	4	16
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°	10223.7	10223.7	10223.7	10223.7	10223.7	10223.7	10223.7	10223.7	10223.7
2.5°	10185.1	10233.0	10111.1	10210.1	10214.2	10144.5	10192.4	10249.8	10320.6
5°	10164.3	10213.2	10082.9	10174.6	10174.6	10098.6	10143.3	10193.4	10265.4
7.5°	10115.2	10168.4	10040.2	10125.7	10112.1	10028.7	10068.3	10117.4	10194.4
10°	10033.9	10099.6	9974.5	10055.8	10027.7	9931.7	9966.2	10017.2	10089.2
12.5°	9922.4	10000.6	9883.8	9954.7	9909.9	9800.4	9828.6	9894.3	9965.1
15°	9784.8	9865.0	9761.8	9823.4	9767.0	9645.1	9664.9	9731.6	9820.2
17.5°	9631.6	9709.6	9594.0	9660.7	9585.7	9459.6	9466.8	9543.9	9624.3
20°	9455.3	9520.0	9401.2	9464.7	9380.2	9241.6	9242.7	9311.5	9394.9
22.5°	9223.9	9291.7	9168.6	9221.8	9144.7	8996.6	8979.0	9045.7	9125.9
25°	8965.4	9036.2	8923.7	8942.4	8858.0	8704.8	8680.7	8729.8	8804.8
27.5°	8655.8	8725.6	8598.4	8622.3	8529.6	8382.6	8350.3	8376.4	8435.8
30°	8326.4	8370.1	8249.2	8269.0	8179.3	8005.3	7956.2	7991.7	8050.0
32.5°	7920.8	7952.1	7848.9	7859.2	7762.4	7612.2	7547.6	7558.0	7617.5
35°	7494.4	7511.1	7411.0	7413.1	7314.1	7161.9	7070.2	7064.9	7110.8
37.5°	7024.3	7035.8	6934.6	6929.4	6827.3	6662.5	6566.6	6550.0	6578.1
40°	6508.2	6523.9	6418.6	6385.3	6228.9	6041.2	5884.9	5855.6	5844.2
42.5°	5882.7	5840.0	5729.5	5673.2	5515.8	5275.0	5130.1	5086.2	5048.8
45°	5120.7	5086.2	4971.6	4844.5	4713.1	4531.7	4336.8	4216.8	4184.6
47.5°	4321.1	4280.4	4115.7	4004.2	3875.0	3791.5	3582.0	3397.5	3317.2
50°	3544.4	3499.6	3316.2	3233.8	3157.6	3033.7	2830.4	2664.6	2634.4
52.5°	2826.2	2758.4	2601.0	2515.5	2447.8	2310.2	2126.7	2030.7	1979.7
55°	2085.0	2074.5	1965.0	1903.6	1817.1	1707.6	1555.4	1483.4	1463.6
57.5°	1518.9	1480.3	1438.6	1386.4	1311.4	1173.8	1080.0	1025.8	1021.6
60°	1020.6	1033.1	1033.1	975.7	897.5	808.0	732.8	703.7	704.7
62.5°	684.9	693.2	691.2	666.1	605.7	532.7	483.8	462.8	464.0
65°	452.5	450.3	458.7	441.0	404.4	353.4	309.6	298.1	287.8
67.5°	287.8	290.8	287.8	278.3	256.5	219.9	190.8	173.0	167.8
70°	175.2	171.0	172.0	169.9	154.2	136.6	115.8	101.1	97.0
72.5°	105.3	108.4	109.5	112.6	110.5	98.0	83.4	73.0	70.9
75°	75.0	76.0	79.2	82.4	81.3	73.0	61.5	54.2	51.1
77.5°	56.2	56.2	58.4	62.6	59.4	52.1	43.8	37.6	35.4
80°	38.6	39.6	40.6	40.6	37.6	33.4	26.1	21.9	19.8
82.5°	23.0	24.0	23.0	23.0	20.8	16.7	12.5	11.5	10.5
85°	11.5	11.5	11.5	11.5	9.3	7.3	5.2	4.2	4.2
87.5°	5.2	5.2	5.2	4.2	3.2	2.1	2.1	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)