

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: P247978

Luminaire Tested: **LD8B200D010 ER8B200927 8LBS0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247978
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-92)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200927 8LBS0H
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18376.9 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.22
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

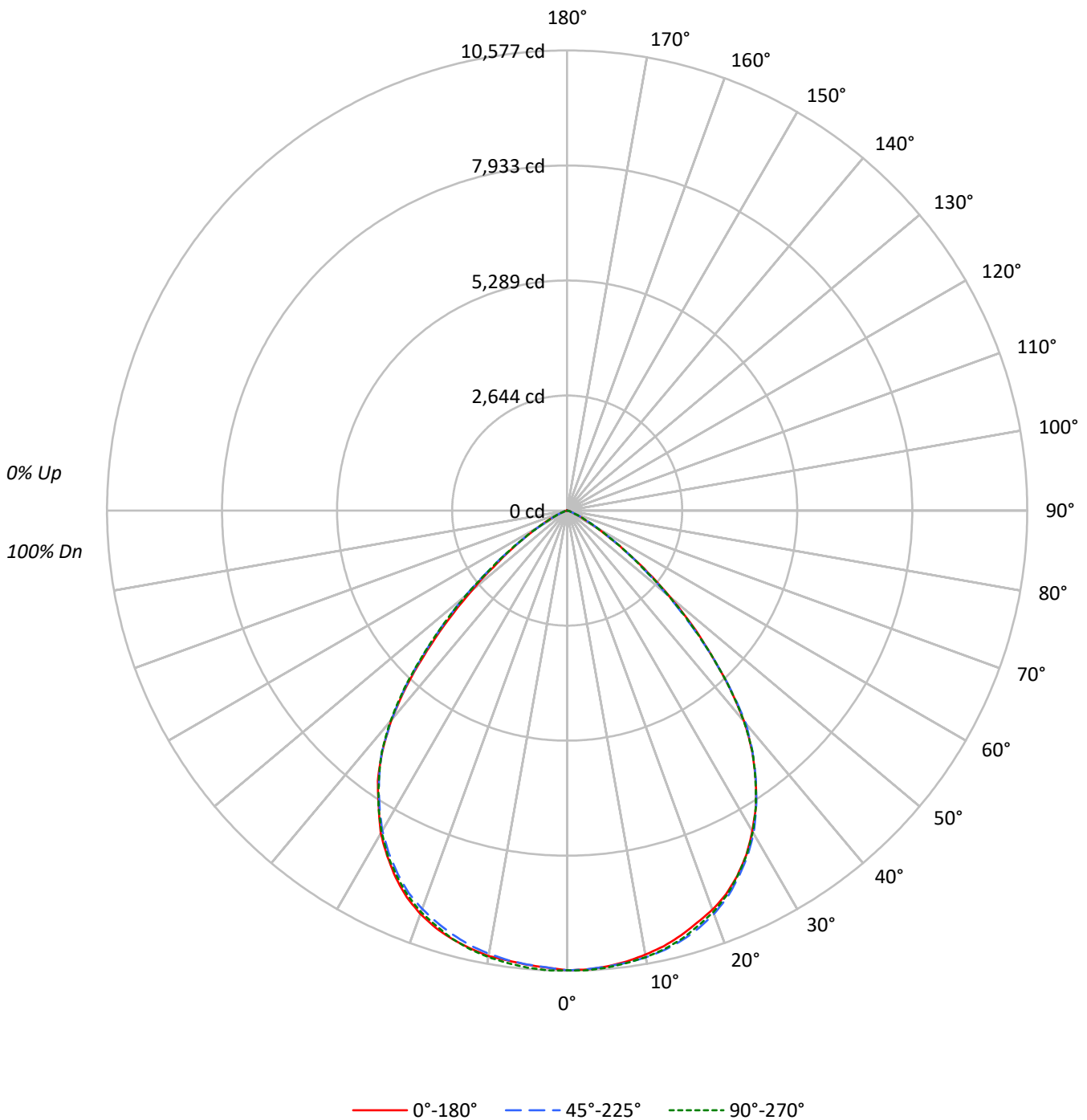
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	107	104	101	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	79	69	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48
8	70	58	51	46	68	58	51	46	56	50	46	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	42	51	46	41	50	45	41	40
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	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°	1000.4	5.4
10°-20°	2869.7	15.6
20°-30°	4263.2	23.2
30°-40°	4698.2	25.6
40°-50°	3578.4	19.5
50°-60°	1542.6	8.4
60°-70°	354.4	1.9
70°-80°	58.9	0.3
80°-90°	11.1	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°	8133.3	44.3
0°-40°	12831.5	69.8
0°-60°	17952.6	97.7
0°-90°	18376.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18376.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10567	10567	10567	10567	10567	
5°	10519	10518	10544	10473	10480	999
15°	10109	10222	10190	10100	10198	2852
25°	9256	9308	9267	9212	9319	4248
35°	7557	7561	7544	7537	7587	4692
45°	4671	4662	4670	4645	4552	3604
55°	1678	1677	1666	1676	1590	1565
65°	310	340	322	320	327	346
75°	64	64	64	65	55	59
85°	9	6	6	19	14	9
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°	10566.8	10566.8	10566.8	10566.8	10566.8	10566.8	10566.8	10566.8	10566.8
2.5°	10555.3	10556.3	10549.0	10564.6	10577.1	10536.5	10512.6	10566.8	10514.6
5°	10518.9	10526.1	10517.7	10537.5	10543.8	10510.4	10473.0	10531.4	10480.3
7.5°	10456.3	10470.8	10483.3	10506.3	10489.6	10447.9	10422.9	10491.8	10429.2
10°	10362.5	10398.9	10426.1	10460.5	10419.8	10375.0	10344.7	10438.5	10396.8
12.5°	10257.2	10298.8	10344.7	10386.4	10324.9	10259.2	10243.6	10343.7	10306.1
15°	10109.1	10147.7	10221.8	10261.4	10190.5	10115.3	10099.7	10226.9	10197.7
17.5°	9935.0	10002.8	10065.4	10096.6	10007.0	9942.3	9934.0	10065.4	10053.9
20°	9763.0	9799.5	9864.1	9905.8	9820.4	9743.2	9740.0	9875.6	9864.1
22.5°	9545.1	9577.5	9620.2	9658.8	9578.5	9513.8	9518.1	9629.6	9627.5
25°	9256.4	9278.2	9308.5	9351.2	9266.7	9220.9	9212.5	9331.4	9318.9
27.5°	8919.6	8934.2	8968.6	9005.1	8932.2	8891.4	8876.9	8995.7	8954.0
30°	8509.9	8543.2	8567.2	8582.8	8528.6	8503.6	8493.2	8587.0	8567.2
32.5°	8075.1	8086.6	8087.7	8126.3	8069.0	8033.5	8033.5	8108.6	8063.8
35°	7557.1	7554.9	7561.2	7603.0	7543.5	7556.1	7537.3	7596.7	7587.3
37.5°	6989.0	6998.3	7000.4	7033.7	7000.4	7008.8	7001.4	7010.8	6980.5
40°	6336.3	6377.0	6390.6	6384.3	6319.6	6297.8	6279.0	6313.4	6274.8
42.5°	5526.3	5545.0	5547.2	5551.3	5533.5	5530.5	5507.6	5522.1	5461.7
45°	4671.4	4679.8	4662.0	4659.0	4670.4	4688.1	4645.3	4612.0	4552.5
47.5°	3890.6	3861.4	3781.1	3810.4	3822.9	3867.6	3821.8	3732.2	3683.1
50°	3069.1	3038.8	2977.4	2990.9	3040.0	3107.7	3054.5	2930.5	2864.8
52.5°	2344.6	2310.2	2241.3	2253.8	2268.5	2319.5	2291.4	2206.9	2143.4
55°	1678.4	1654.4	1677.4	1658.6	1665.9	1715.0	1676.4	1606.5	1589.9
57.5°	1134.2	1147.8	1166.5	1169.7	1155.0	1140.5	1135.2	1108.1	1122.8
60°	751.6	762.1	793.4	802.7	780.9	749.6	755.8	755.8	769.4
62.5°	485.8	495.2	531.7	538.0	506.7	498.3	498.3	495.2	520.2
65°	309.6	328.4	339.9	323.2	322.1	310.6	320.1	320.1	327.4
67.5°	185.5	168.9	180.3	187.6	180.3	171.0	168.9	169.9	180.3
70°	107.3	103.2	110.5	106.3	110.5	96.0	107.3	102.1	105.3
72.5°	68.9	67.7	67.7	71.9	67.7	65.7	69.9	60.4	66.7
75°	63.6	63.6	63.6	55.2	63.6	61.5	64.7	49.1	55.2
77.5°	25.0	29.1	35.4	34.4	34.4	32.3	29.1	25.0	38.6
80°	23.0	20.8	28.1	33.4	20.8	25.0	28.1	17.8	18.8
82.5°	11.5	10.5	13.5	13.5	13.5	7.3	18.8	11.5	9.3
85°	9.3	4.2	6.3	6.3	6.3	8.3	18.8	5.2	13.5
87.5°	2.1	3.2	5.2	5.2	6.3	10.5	18.8	4.2	15.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)