

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: P247381

Luminaire Tested: **LD8B120D010 ER8B120930 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247381
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: LD8B120D010 ER8B120930 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: 10907.4 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.2 / 1.23
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

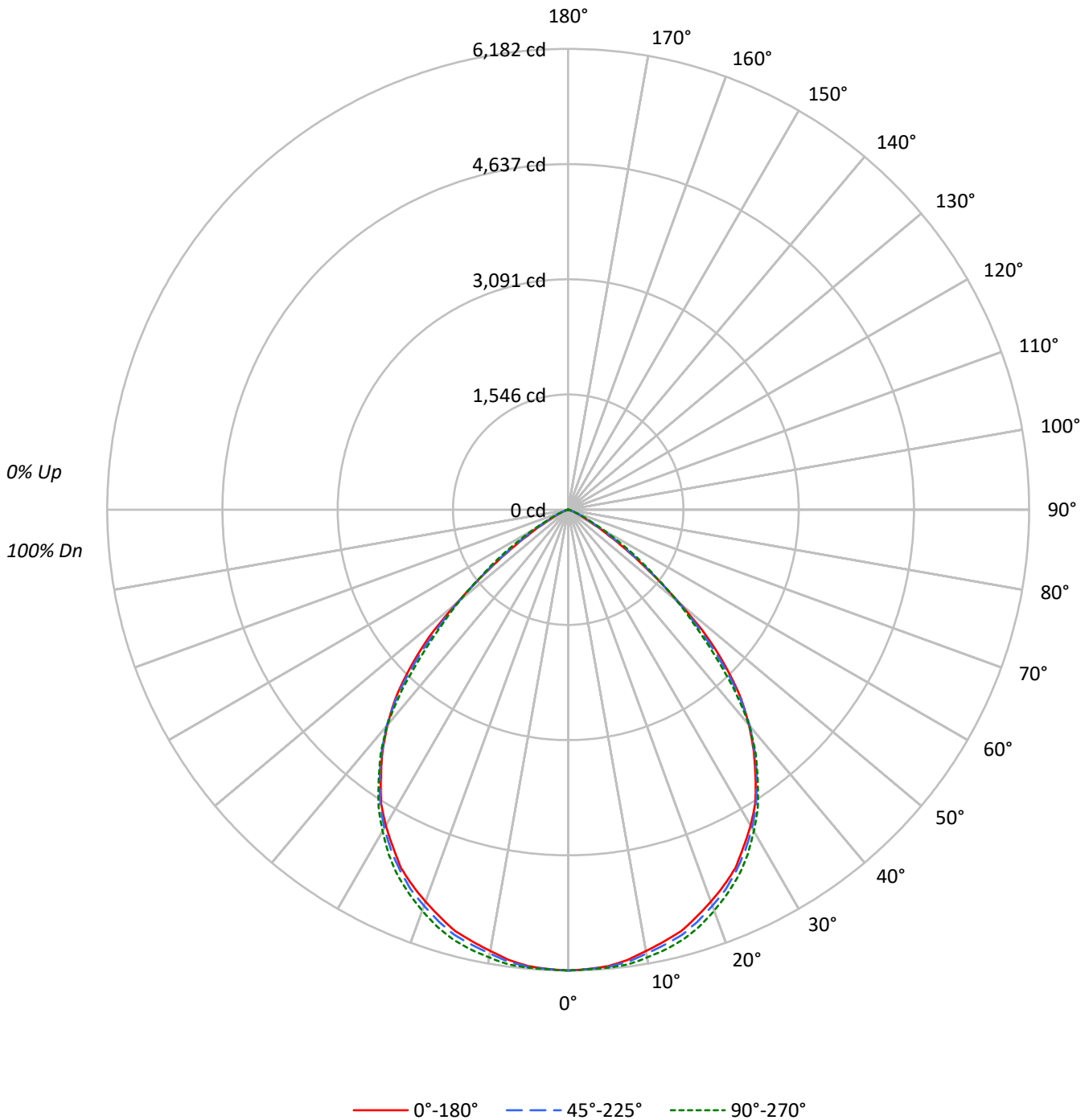
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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	102	100	98	99	97	95	95	94	92	91		
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81		
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72		
4	91	81	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64		
5	85	74	67	62	83	73	66	61	71	65	61	70	64	60	68	63	60	58		
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52		
7	74	62	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47		
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	54	48	44	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39		
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
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°	584.2	5.4
10°-20°	1662.3	15.2
20°-30°	2455.7	22.5
30°-40°	2744.1	25.2
40°-50°	2215.4	20.3
50°-60°	985.4	9.0
60°-70°	222.0	2.0
70°-80°	34.3	0.3
80°-90°	4.1	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°	4702.1	43.1
0°-40°	7446.2	68.3
0°-60°	10647.0	97.6
0°-90°	10907.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10907.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6182	6182	6182	6182	6182	
5°	6146	6145	6156	6157	6167	582
15°	5854	5858	5905	5949	5968	1646
25°	5304	5304	5338	5382	5412	2432
35°	4380	4377	4406	4411	4429	2730
45°	3001	2978	2922	2819	2805	2269
55°	998	1012	1057	1112	1145	938
65°	164	185	198	215	228	191
75°	22	30	32	30	36	28
85°	2	4	6	13	4	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6182.4	6182.4	6182.4	6182.4	6182.4
2.5°	6166.6	6162.9	6169.1	6165.4	6171.4
5°	6146.0	6144.8	6155.6	6156.9	6166.6
7.5°	6092.4	6093.6	6116.7	6133.8	6153.3
10°	6010.9	6015.7	6046.2	6083.9	6099.7
12.5°	5933.0	5939.2	5978.1	6030.4	6042.5
15°	5854.0	5857.7	5905.1	5948.8	5968.3
17.5°	5725.1	5749.4	5785.8	5835.7	5861.3
20°	5596.0	5613.1	5654.4	5709.3	5723.8
22.5°	5454.9	5473.2	5514.5	5559.6	5575.4
25°	5304.1	5304.1	5338.2	5381.9	5412.4
27.5°	5093.6	5119.2	5143.5	5182.5	5212.9
30°	4892.9	4902.7	4931.8	4963.5	4978.0
32.5°	4670.3	4671.5	4684.9	4720.2	4733.5
35°	4379.5	4377.1	4406.3	4411.1	4429.4
37.5°	4088.7	4101.0	4111.9	4129.0	4130.1
40°	3771.3	3777.3	3789.5	3771.3	3779.8
42.5°	3425.8	3417.3	3394.2	3339.3	3316.3
45°	3001.1	2978.0	2922.1	2818.8	2805.3
47.5°	2532.8	2475.6	2407.6	2330.9	2316.3
50°	1947.6	1952.6	1918.5	1892.9	1895.4
52.5°	1419.7	1436.8	1445.2	1469.6	1483.0
55°	997.6	1012.2	1057.2	1111.9	1144.8
57.5°	646.0	673.9	732.3	794.5	817.5
60°	412.4	430.7	482.9	528.0	558.4
62.5°	270.0	276.1	305.4	346.7	348.0
65°	164.2	185.0	198.3	215.3	227.5
67.5°	107.1	107.1	119.3	135.1	138.7
70°	62.0	63.2	69.4	75.4	79.0
72.5°	34.1	37.7	41.4	47.4	53.5
75°	21.9	30.4	31.6	30.4	36.5
77.5°	14.6	14.6	12.2	20.6	21.9
80°	12.2	8.5	11.0	15.8	17.0
82.5°	0.0	1.2	1.2	2.5	0.0
85°	2.5	3.7	6.1	13.3	3.7
87.5°	0.0	3.7	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)