

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: P247477

Luminaire Tested: **LSR8B120D010 EC8B120930 8LBS0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247477
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-85)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B120D010 EC8B120930 8LBS0WH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11352.4 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.29 / 1.24
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

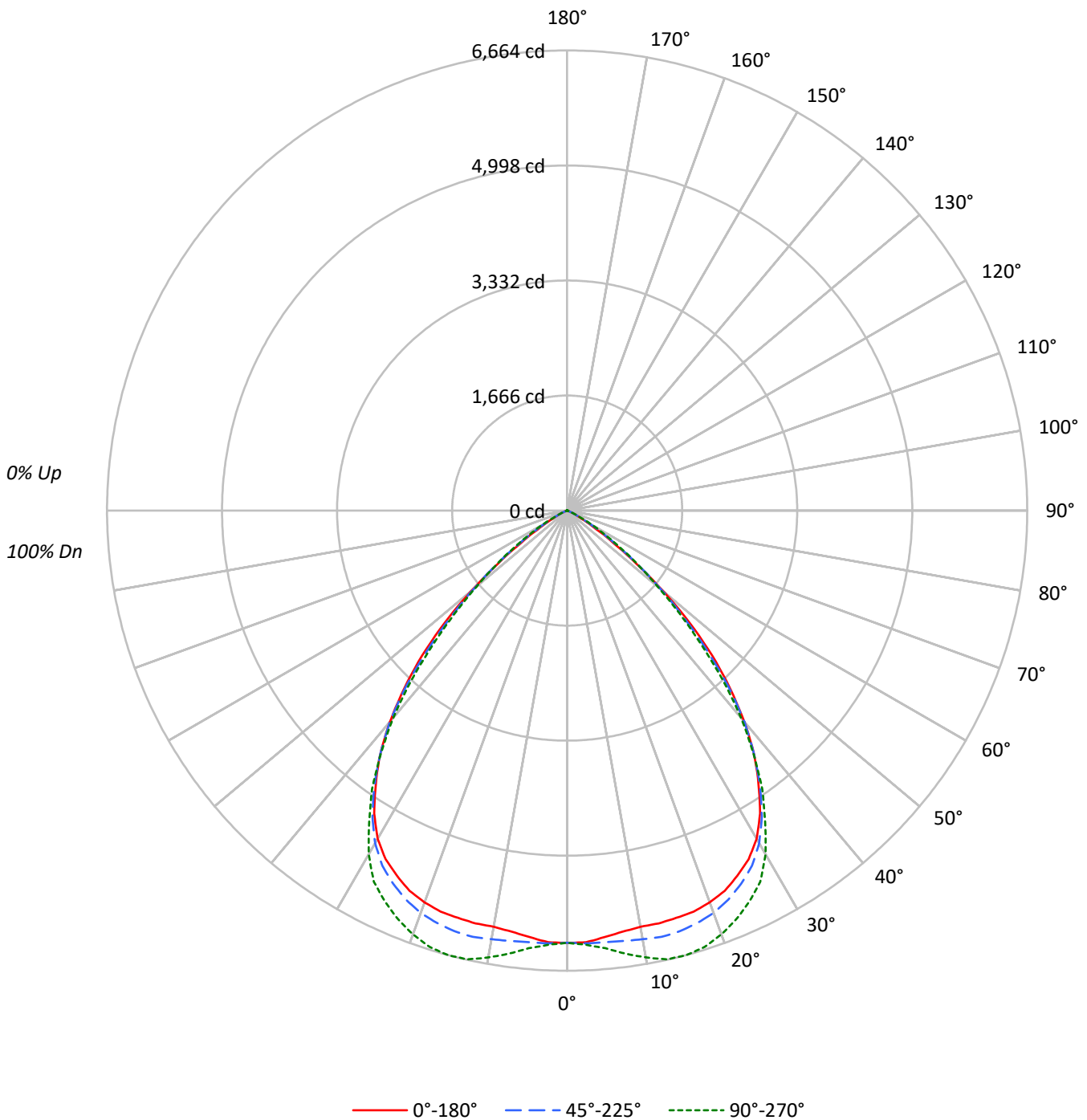
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91	91	91	91			
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82	82	82	82			
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73	73	73	73			
4	92	83	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66	66	66	66			
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61	59	59	59	59			
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54	54	54	54			
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49	49	49	49			
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44	44	44	44			
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40	40	40	40			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37	37	37	37			

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°	601.0	5.3
10°-20°	1791.2	15.8
20°-30°	2756.3	24.3
30°-40°	3018.9	26.6
40°-50°	2195.0	19.3
50°-60°	844.4	7.4
60°-70°	132.3	1.2
70°-80°	9.5	0.1
80°-90°	3.9	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°	5148.5	45.4
0°-40°	8167.4	71.9
0°-60°	11206.8	98.7
0°-90°	11352.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11352.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6259	6259	6259	6259	6259	
5°	6201	6232	6275	6334	6362	589
15°	6107	6154	6306	6540	6664	1728
25°	5833	5868	5962	6139	6244	2683
35°	4832	4832	4864	4894	4924	3001
45°	2970	2939	2859	2786	2748	2258
55°	821	843	892	921	946	802
65°	92	96	98	112	116	113
75°	7	16	12	16	16	9
85°	2	0	0	0	2	6
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6259.0	6259.0	6259.0	6259.0	6259.0
2.5°	6257.8	6267.5	6273.6	6287.0	6293.1
5°	6200.6	6232.2	6274.8	6334.4	6362.3
7.5°	6150.7	6194.5	6285.8	6414.7	6471.9
10°	6119.1	6166.5	6302.8	6477.9	6570.4
12.5°	6122.7	6175.0	6322.2	6532.7	6656.8
15°	6106.9	6154.4	6306.4	6540.0	6664.1
17.5°	6088.7	6127.6	6262.6	6491.4	6625.1
20°	6037.6	6070.4	6199.4	6406.2	6530.3
22.5°	5960.9	5991.3	6098.4	6290.6	6404.9
25°	5833.2	5868.4	5962.2	6138.6	6244.4
27.5°	5690.9	5711.5	5797.9	5958.5	6059.5
30°	5489.0	5496.3	5560.7	5684.8	5745.6
32.5°	5200.7	5199.4	5248.1	5310.1	5333.2
35°	4832.0	4832.0	4863.7	4894.1	4924.4
37.5°	4448.8	4444.0	4447.6	4454.9	4429.3
40°	3993.8	3984.1	3989.0	3945.1	3917.2
42.5°	3495.1	3503.6	3454.9	3377.0	3347.9
45°	2969.5	2939.1	2858.8	2785.8	2748.1
47.5°	2411.2	2363.7	2287.1	2211.6	2205.6
50°	1812.7	1815.0	1765.1	1722.6	1705.6
52.5°	1257.9	1271.2	1296.8	1301.7	1307.8
55°	821.1	843.0	891.8	920.9	946.5
57.5°	502.4	542.6	583.9	638.6	643.6
60°	293.1	312.6	358.8	400.2	418.5
62.5°	165.5	183.7	193.4	217.8	223.9
65°	92.5	96.1	98.5	111.9	115.6
67.5°	55.9	58.4	60.9	59.6	62.0
70°	4.8	11.0	4.8	6.1	3.7
72.5°	20.6	13.3	14.6	11.0	7.3
75°	7.3	15.8	12.2	15.8	15.8
77.5°	4.8	3.7	6.1	7.3	6.1
80°	1.2	0.0	0.0	0.0	0.0
82.5°	11.0	9.8	6.1	9.8	3.7
85°	2.5	0.0	0.0	0.0	2.5
87.5°	7.3	3.7	3.7	8.5	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)