

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: P247669

Luminaire Tested: **LSR8B120D010 EC8B120930 8LBS0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247669
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-87)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B120D010 EC8B120930 8LBS0B
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9459.0 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.18 / 1.23
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

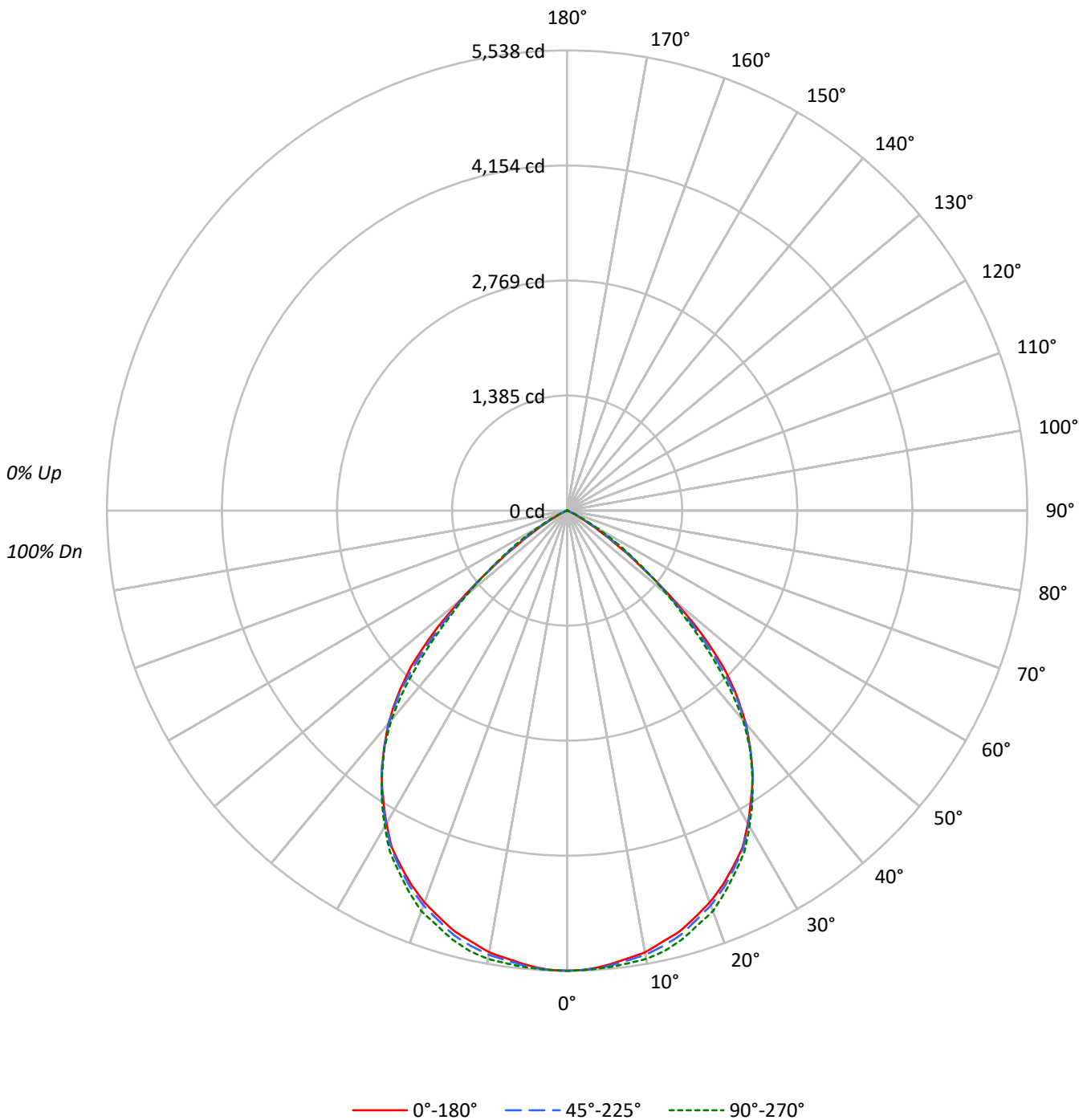
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P247669

CATALOG NUMBER: LSR8B120D010 EC8B120930 8LBS0B

Luminous Intensity Polar Plot





TEST NUMBER: P247669

CATALOG NUMBER: LSR8B120D010 EC8B120930 8LBS0B

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	102	103	101	99	99	97	96	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	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°			



TEST NUMBER: P247669

CATALOG NUMBER: LSR8B120D010 EC8B120930 8LBS0B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	523.0	5.5
10°-20°	1488.4	15.7
20°-30°	2186.6	23.1
30°-40°	2420.8	25.6
40°-50°	1929.3	20.4
50°-60°	790.5	8.4
60°-70°	116.4	1.2
70°-80°	1.7	0.0
80°-90°	2.4	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°	4198.0	44.4
0°-40°	6618.8	70.0
0°-60°	9338.6	98.7
0°-90°	9459.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9459.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5538	5538	5538	5538	5538	
5°	5492	5502	5507	5515	5520	521
15°	5242	5245	5287	5336	5344	1475
25°	4727	4722	4753	4781	4795	2174
35°	3891	3886	3898	3893	3882	2419
45°	2654	2630	2546	2451	2429	1992
55°	781	808	849	898	899	751
65°	74	78	91	100	97	98
75°	0	0	0	0	0	3
85°	0	0	0	5	0	4
90°	0	0	0	0	0	



TEST NUMBER: P247669

CATALOG NUMBER: LSR8B120D010 EC8B120930 8LBS0B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5538.4	5538.4	5538.4	5538.4	5538.4
2.5°	5528.7	5529.9	5529.9	5523.8	5531.1
5°	5492.2	5501.9	5506.8	5515.3	5520.1
7.5°	5441.1	5438.6	5464.2	5494.6	5498.3
10°	5398.5	5393.7	5427.8	5467.9	5478.8
12.5°	5314.5	5320.7	5364.4	5405.8	5427.8
15°	5241.6	5245.3	5286.6	5336.5	5343.8
17.5°	5128.5	5139.4	5167.4	5219.7	5229.5
20°	5017.8	5022.6	5054.3	5096.9	5128.5
22.5°	4882.7	4891.3	4915.6	4953.4	4969.2
25°	4727.0	4722.2	4752.6	4780.6	4795.2
27.5°	4569.0	4560.5	4583.5	4610.2	4623.7
30°	4349.9	4347.6	4360.9	4378.0	4388.9
32.5°	4120.0	4126.2	4139.5	4144.3	4148.0
35°	3891.3	3886.5	3897.5	3892.6	3881.7
37.5°	3620.0	3623.7	3623.7	3618.9	3614.0
40°	3343.9	3347.6	3340.4	3313.6	3294.1
42.5°	3020.4	3022.9	2985.1	2925.5	2885.3
45°	2654.3	2630.0	2546.0	2451.1	2429.2
47.5°	2193.2	2151.9	2064.3	1992.5	1967.0
50°	1677.5	1647.1	1617.8	1580.2	1572.9
52.5°	1176.3	1192.1	1203.1	1215.2	1211.6
55°	781.0	807.7	849.0	897.7	898.9
57.5°	469.6	500.0	552.2	605.8	631.3
60°	276.1	288.3	326.0	366.1	378.3
62.5°	149.7	153.2	170.3	210.4	204.4
65°	74.2	77.8	91.2	99.8	97.3
67.5°	36.5	40.1	42.6	54.7	45.0
70°	8.5	2.5	4.8	6.1	2.5
72.5°	0.0	0.0	2.5	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	2.5	0.0	0.0	0.0	4.8
80°	11.0	7.3	2.5	2.5	3.7
82.5°	3.7	1.2	3.7	1.2	0.0
85°	0.0	0.0	0.0	4.8	0.0
87.5°	6.1	1.2	1.2	3.7	6.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)