

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: P247380

Luminaire Tested: **LSR8B100D010 EC8B100930 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247380
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: LSR8B100D010 EC8B100930 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9621.6 lumens
Efficiency: N/A
Efficacy: 90.5 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

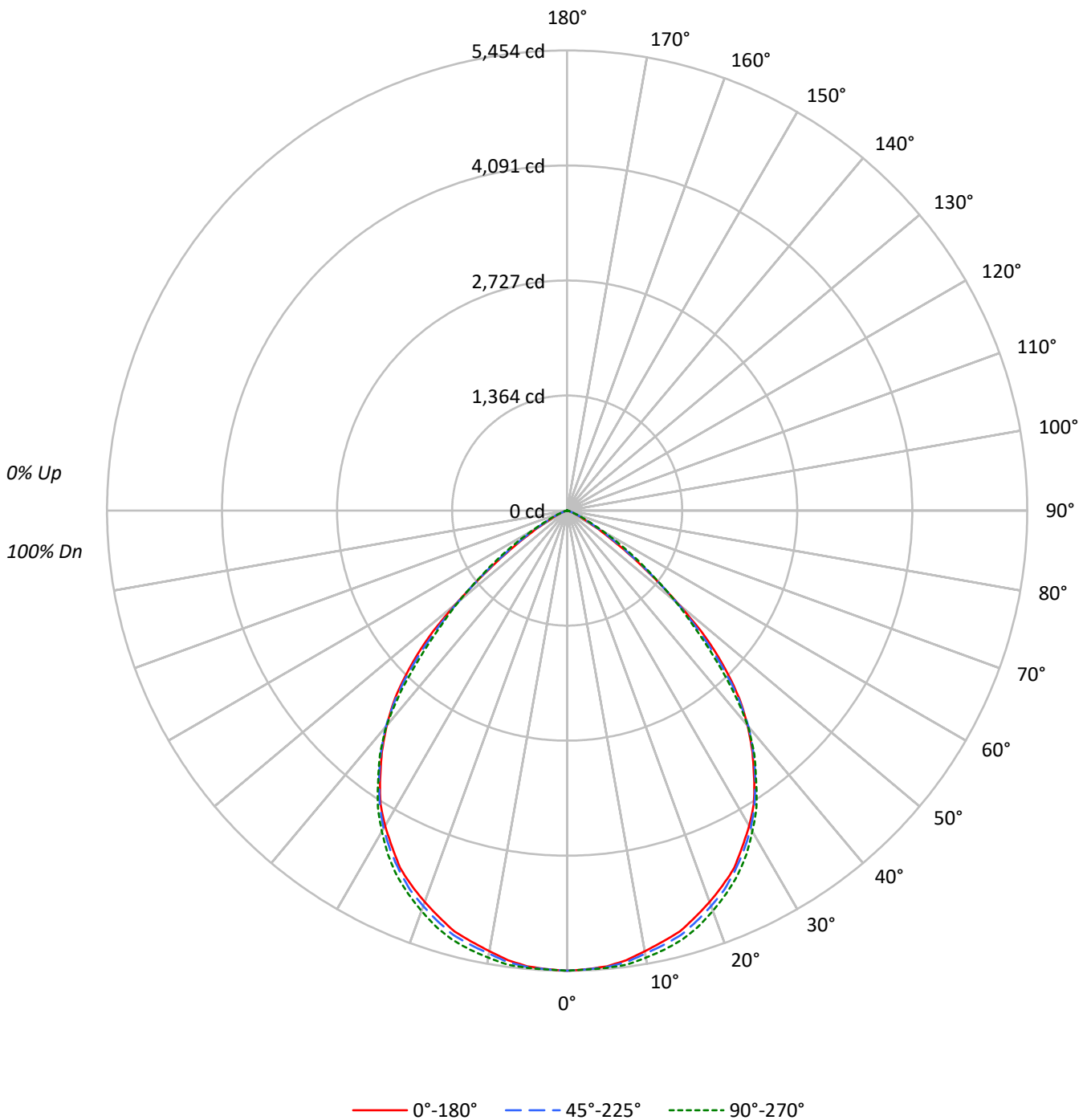
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
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	100	100
1	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91	91	91
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81	81	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72	72	72
4	91	81	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64	64	64
5	85	74	67	62	83	73	66	61	71	65	61	70	64	60	68	63	60	58	58	58
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52	52	52
7	74	62	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47	47	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	54	48	44	43	43	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39	39	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36	36	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°	515.3	5.4
10°-20°	1466.3	15.2
20°-30°	2166.2	22.5
30°-40°	2420.6	25.2
40°-50°	1954.2	20.3
50°-60°	869.2	9.0
60°-70°	195.8	2.0
70°-80°	30.2	0.3
80°-90°	3.6	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°	4147.8	43.1
0°-40°	6568.5	68.3
0°-60°	9391.9	97.6
0°-90°	9621.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9621.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5454	5454	5454	5454	5454	
5°	5422	5420	5430	5431	5440	514
15°	5164	5167	5209	5248	5265	1452
25°	4679	4679	4709	4748	4774	2145
35°	3863	3861	3887	3891	3907	2408
45°	2647	2627	2578	2486	2475	2002
55°	880	893	933	981	1010	828
65°	145	163	175	190	201	168
75°	19	27	28	27	32	25
85°	2	3	5	12	3	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5453.7	5453.7	5453.7	5453.7	5453.7
2.5°	5439.7	5436.5	5441.8	5438.6	5444.0
5°	5421.5	5420.4	5430.0	5431.1	5439.7
7.5°	5374.2	5375.3	5395.7	5410.7	5427.9
10°	5302.3	5306.6	5333.5	5366.7	5380.7
12.5°	5233.6	5239.0	5273.3	5319.5	5330.2
15°	5163.9	5167.1	5209.0	5247.6	5264.8
17.5°	5050.1	5071.6	5103.8	5147.7	5170.3
20°	4936.4	4951.5	4987.9	5036.2	5049.1
22.5°	4811.9	4828.0	4864.5	4904.2	4918.2
25°	4678.8	4678.8	4708.9	4747.5	4774.3
27.5°	4493.2	4515.7	4537.1	4571.6	4598.3
30°	4316.1	4324.7	4350.5	4378.4	4391.3
32.5°	4119.8	4120.8	4132.6	4163.7	4175.5
35°	3863.3	3861.1	3886.8	3891.2	3907.2
37.5°	3606.8	3617.5	3627.2	3642.2	3643.2
40°	3326.7	3332.1	3342.8	3326.7	3334.2
42.5°	3021.9	3014.4	2994.1	2945.8	2925.4
45°	2647.4	2627.1	2577.6	2486.5	2474.6
47.5°	2234.3	2183.8	2123.7	2056.1	2043.2
50°	1718.0	1722.4	1692.4	1669.8	1672.0
52.5°	1252.4	1267.4	1274.9	1296.3	1308.1
55°	880.0	892.9	932.6	980.9	1009.8
57.5°	569.8	594.5	646.0	700.7	721.1
60°	363.8	379.9	426.0	465.8	492.6
62.5°	238.2	243.6	269.4	305.8	306.9
65°	144.8	163.1	174.9	189.9	200.7
67.5°	94.4	94.4	105.1	119.2	122.3
70°	54.7	55.8	61.2	66.6	69.7
72.5°	30.0	33.3	36.4	41.8	47.2
75°	19.3	26.8	27.9	26.8	32.2
77.5°	12.9	12.9	10.8	18.3	19.3
80°	10.8	7.5	9.6	13.9	15.0
82.5°	0.0	1.1	1.1	2.1	0.0
85°	2.1	3.3	5.4	11.8	3.3
87.5°	0.0	3.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)