

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: P247568

Luminaire Tested: **LSR8B100D010 EC8B1009727 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247568
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-86)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B100D010 EC8B1009727 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7562.0 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.19 / 1.23
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

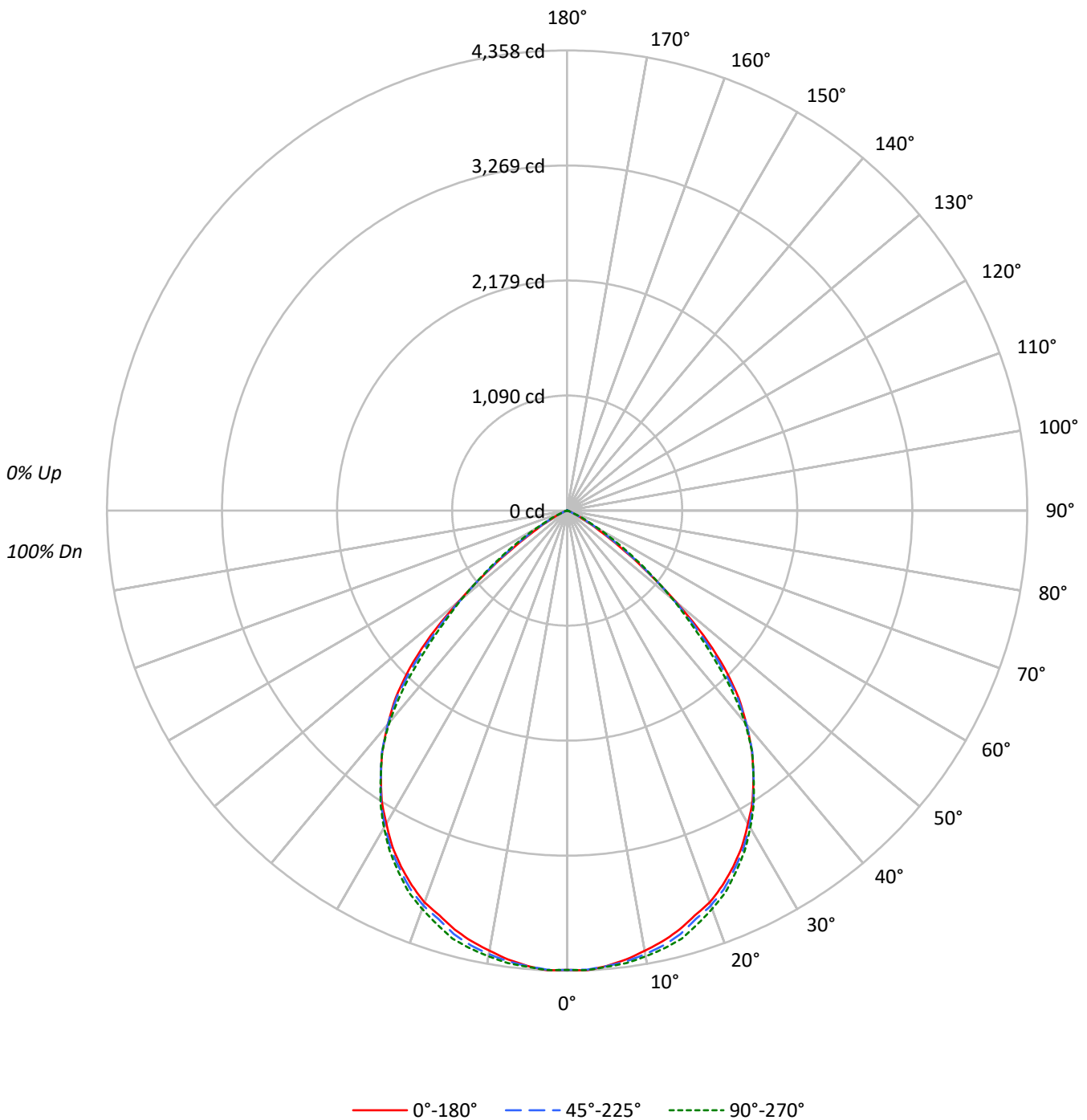
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	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	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	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°	411.5	5.4
10°-20°	1168.6	15.5
20°-30°	1723.4	22.8
30°-40°	1918.3	25.4
40°-50°	1543.8	20.4
50°-60°	656.5	8.7
60°-70°	123.1	1.6
70°-80°	14.9	0.2
80°-90°	1.8	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°	3303.6	43.7
0°-40°	5221.9	69.1
0°-60°	7422.1	98.2
0°-90°	7562.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7562.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4350	4350	4350	4350	4350	
5°	4328	4329	4330	4338	4337	410
15°	4109	4131	4151	4183	4196	1158
25°	3720	3734	3748	3769	3778	1710
35°	3074	3074	3076	3077	3077	1914
45°	2109	2092	2035	1973	1944	1586
55°	652	666	706	734	752	620
65°	81	90	102	110	122	105
75°	8	10	15	14	14	13
85°	0	0	0	0	0	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4350.3	4350.3	4350.3	4350.3	4350.3
2.5°	4357.5	4360.2	4351.2	4353.0	4355.7
5°	4328.5	4329.4	4330.4	4337.6	4336.7
7.5°	4287.8	4294.2	4305.0	4318.6	4322.2
10°	4232.6	4248.9	4265.2	4281.5	4286.9
12.5°	4178.3	4188.3	4217.3	4233.5	4247.1
15°	4108.7	4131.3	4151.2	4182.9	4196.4
17.5°	4020.0	4036.3	4055.3	4087.0	4106.0
20°	3948.5	3953.1	3980.2	4008.2	4014.6
22.5°	3842.7	3852.6	3880.7	3899.7	3916.0
25°	3720.5	3734.1	3747.7	3769.4	3778.4
27.5°	3586.6	3594.8	3613.8	3629.1	3637.3
30°	3424.7	3442.7	3450.9	3458.1	3469.0
32.5°	3267.2	3272.6	3279.9	3284.4	3289.8
35°	3073.6	3074.5	3076.3	3077.2	3077.2
37.5°	2875.4	2881.8	2880.0	2874.5	2877.2
40°	2641.1	2652.0	2645.6	2629.3	2618.5
42.5°	2404.9	2399.5	2377.8	2328.9	2306.3
45°	2109.1	2091.9	2034.9	1973.4	1944.4
47.5°	1754.4	1716.4	1668.4	1620.5	1601.5
50°	1344.5	1339.1	1317.4	1298.4	1300.2
52.5°	963.6	977.2	981.7	999.8	1008.8
55°	651.5	665.9	705.7	733.8	751.9
57.5°	396.3	424.3	466.9	513.0	536.5
60°	250.6	266.9	305.8	335.7	346.5
62.5°	156.5	157.4	176.4	200.0	209.9
65°	81.4	90.5	102.2	109.5	122.1
67.5°	50.7	50.7	49.8	60.6	67.9
70°	33.5	29.0	29.9	36.2	38.9
72.5°	11.8	19.9	18.1	18.1	12.7
75°	8.1	10.0	15.4	14.5	13.6
77.5°	10.9	10.0	7.2	6.3	12.7
80°	4.5	3.6	0.9	5.4	5.4
82.5°	4.5	1.8	5.4	7.2	4.5
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.9	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)