

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: P247759

Luminaire Tested: **LSR8B90D010 EC8B90927 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247759
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-88)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B90D010 EC8B90927 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8174.3 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.24
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

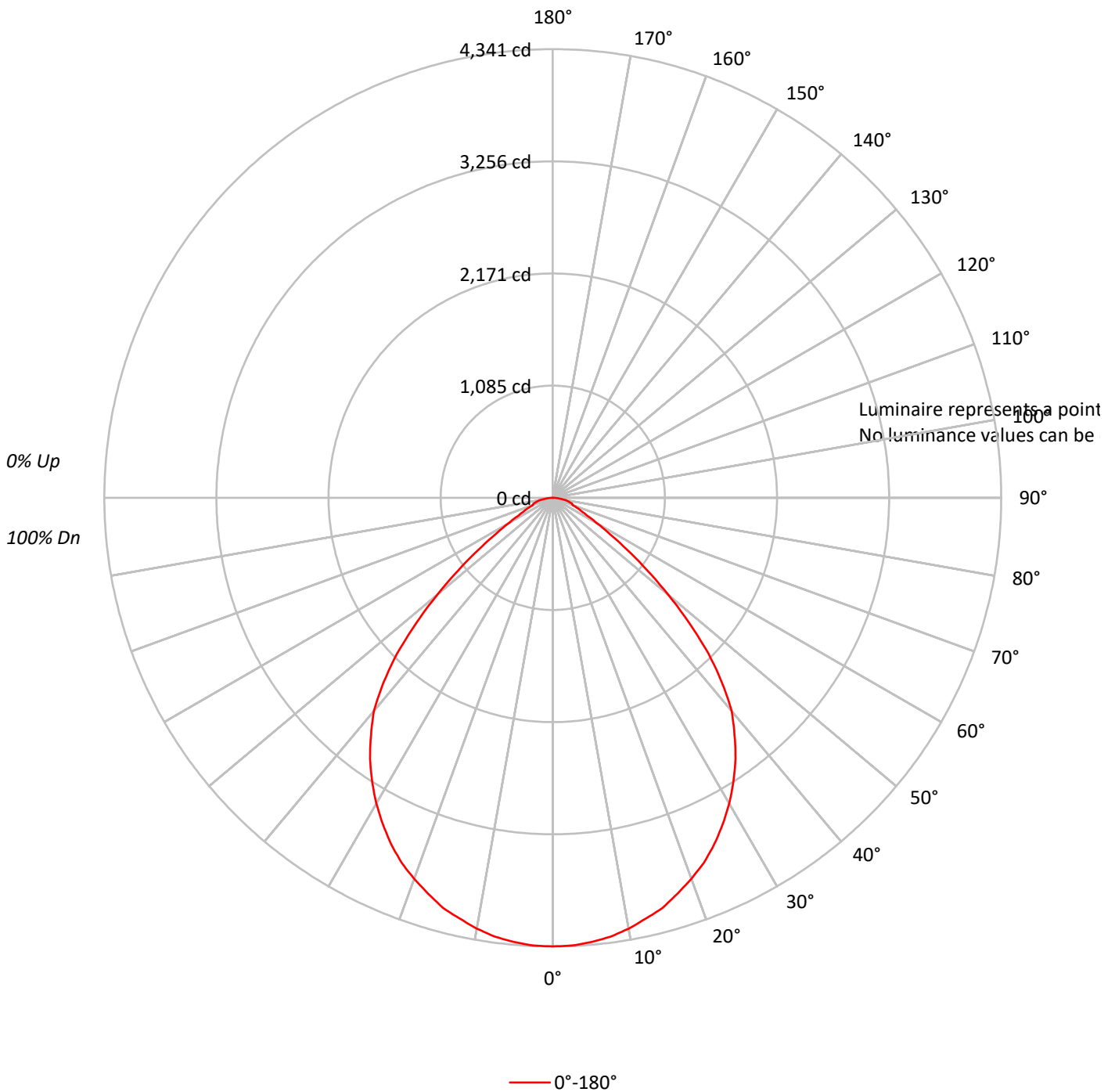
Input Watts (W): 86.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	57	55
6	77	66	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37
10	60	47	40	36	58	47	40	35	46	40	35	45	39	35	44	39	35	33

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	409.3	5.0
10°-20°	1155.5	14.1
20°-30°	1700.0	20.8
30°-40°	1920.2	23.5
40°-50°	1617.1	19.8
50°-60°	815.9	10.0
60°-70°	319.6	3.9
70°-80°	180.5	2.2
80°-90°	56.1	0.7
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°	3264.8	39.9
0°-40°	5185.0	63.4
0°-60°	7618.0	93.2
0°-90°	8174.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8174.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4341	
5°	4313	409
15°	4108	1156
25°	3699	1700
35°	3084	1920
45°	2130	1617
55°	880	816
65°	310	320
75°	176	181
85°	50	56
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4340.6
2.5°	4336.2
5°	4313.2
7.5°	4283.3
10°	4232.1
12.5°	4168.6
15°	4107.7
17.5°	4015.1
20°	3922.4
22.5°	3821.8
25°	3699.2
27.5°	3560.7
30°	3416.1
32.5°	3253.7
35°	3084.3
37.5°	2890.2
40°	2693.5
42.5°	2425.3
45°	2129.7
47.5°	1791.0
50°	1455.8
52.5°	1153.1
55°	880.4
57.5°	663.4
60°	499.4
62.5°	381.2
65°	309.7
67.5°	252.3
70°	204.6
72.5°	197.7
75°	175.6
77.5°	146.5
80°	123.5
82.5°	78.5
85°	50.3
87.5°	15.9
90°	0.0

(END OF REPORT)