

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: P247763

Luminaire Tested: **LSR8B90D010 EC8B909730 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247763
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 EC8B909730 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7687.0 lumens
Efficiency: N/A
Efficacy: 89.3 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

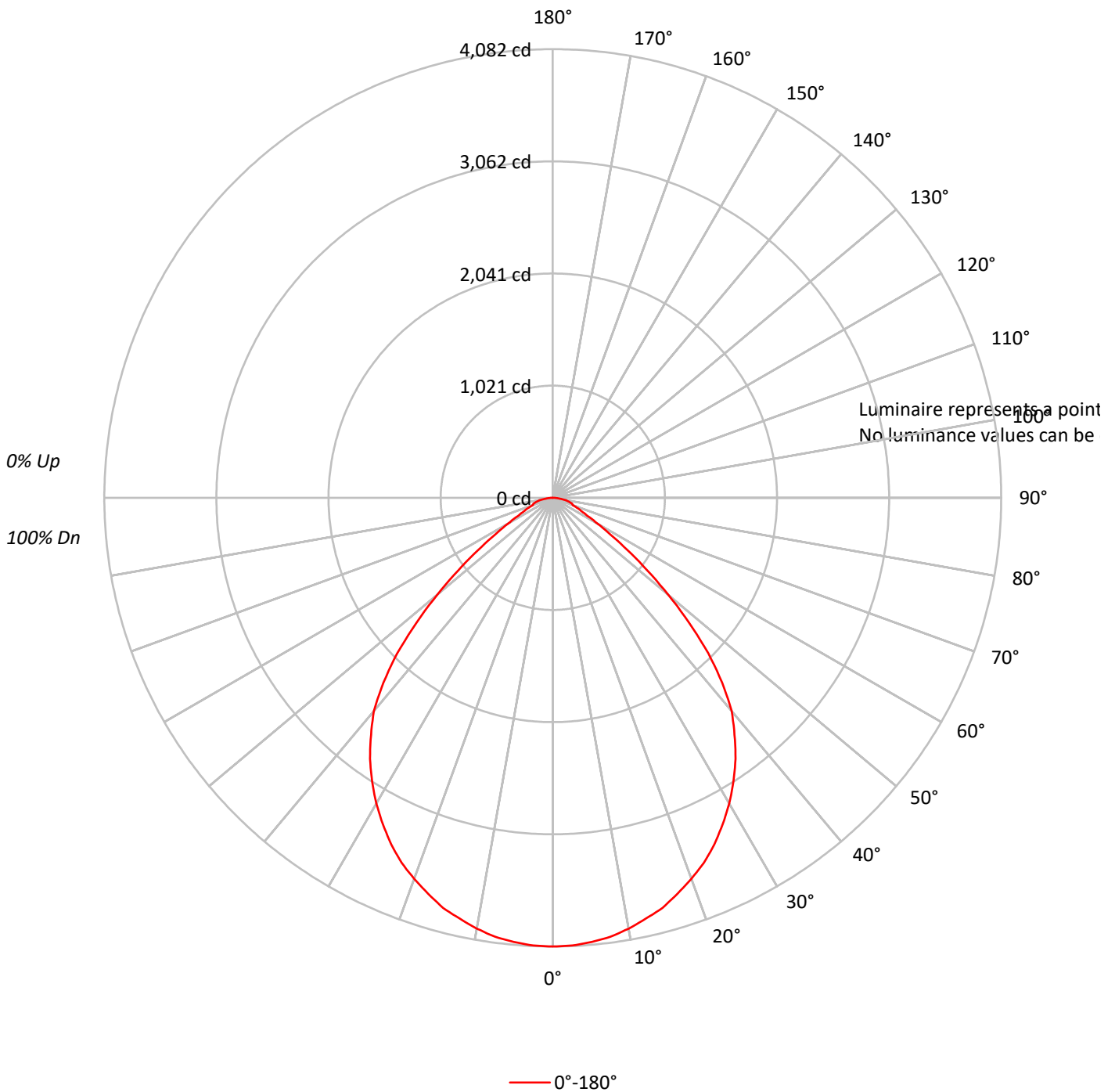
Input Watts (W): 86.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	384.9	5.0
10°-20°	1086.7	14.1
20°-30°	1598.7	20.8
30°-40°	1805.7	23.5
40°-50°	1520.7	19.8
50°-60°	767.2	10.0
60°-70°	300.6	3.9
70°-80°	169.7	2.2
80°-90°	52.8	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°	3070.2	39.9
0°-40°	4876.0	63.4
0°-60°	7163.9	93.2
0°-90°	7687.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7687.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4082	
5°	4056	385
15°	3863	1087
25°	3479	1599
35°	2900	1806
45°	2003	1521
55°	828	767
65°	291	301
75°	165	170
85°	47	53
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4081.9
2.5°	4077.7
5°	4056.2
7.5°	4028.0
10°	3979.8
12.5°	3920.1
15°	3862.9
17.5°	3775.7
20°	3688.6
22.5°	3594.0
25°	3478.7
27.5°	3348.5
30°	3212.4
32.5°	3059.8
35°	2900.5
37.5°	2717.9
40°	2532.9
42.5°	2280.7
45°	2002.8
47.5°	1684.2
50°	1368.9
52.5°	1084.4
55°	828.0
57.5°	623.9
60°	469.6
62.5°	358.4
65°	291.2
67.5°	237.3
70°	192.5
72.5°	185.8
75°	165.1
77.5°	137.7
80°	116.2
82.5°	73.8
85°	47.3
87.5°	14.9
90°	0.0

(END OF REPORT)