

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 EC8B90930 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 EC8B90930 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: 8617.1 lumens
Efficiency: N/A
Efficacy: 100.1 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

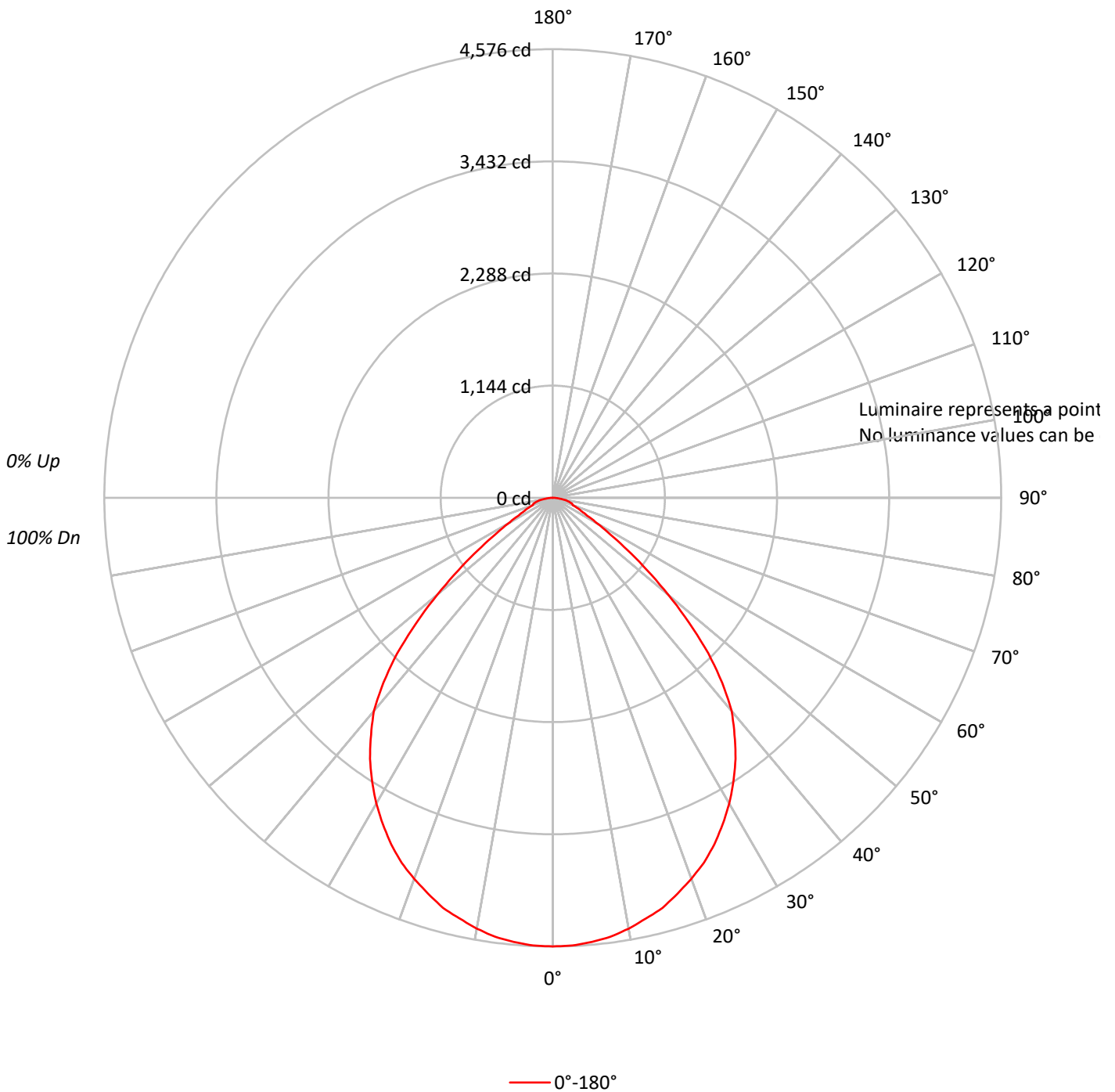
Input Watts (W): 86.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	431.5	5.0
10°-20°	1218.1	14.1
20°-30°	1792.1	20.8
30°-40°	2024.2	23.5
40°-50°	1704.7	19.8
50°-60°	860.1	10.0
60°-70°	336.9	3.9
70°-80°	190.3	2.2
80°-90°	59.2	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°	3441.7	39.9
0°-40°	5466.0	63.4
0°-60°	8030.8	93.2
0°-90°	8617.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8617.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4576	
5°	4547	431
15°	4330	1218
25°	3900	1792
35°	3252	2024
45°	2245	1705
55°	928	860
65°	326	337
75°	185	190
85°	53	59
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4575.8
2.5°	4571.1
5°	4547.0
7.5°	4515.4
10°	4461.4
12.5°	4394.4
15°	4330.3
17.5°	4232.6
20°	4134.9
22.5°	4028.9
25°	3899.6
27.5°	3753.7
30°	3601.1
32.5°	3430.0
35°	3251.5
37.5°	3046.8
40°	2839.4
42.5°	2556.7
45°	2245.1
47.5°	1888.0
50°	1534.5
52.5°	1215.6
55°	928.2
57.5°	699.4
60°	526.4
62.5°	401.8
65°	326.4
67.5°	266.0
70°	215.8
72.5°	208.3
75°	185.1
77.5°	154.4
80°	130.3
82.5°	82.7
85°	53.0
87.5°	16.7
90°	0.0

(END OF REPORT)