Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P250698

Luminaire Tested: **LSR8B150D010 EC8B1509727 8LBN0MW**

Issue Date: 03/03/2020

Report Generated By E0454808 / USPTCWHP6056648

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Test Information

Test Method:	LM-79-08
Report Number:	P250698
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P131425)
Test Lab:	INNOVATION CENTER-P1
Issue Date:	03/03/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	PORTFOLIO
Catalog Number:	LSR8B150D010 EC8B1509727 8LBN0MW
Description:	PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 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:	10121.0 lumens
Efficiency:	N/A
Efficacy:	63.9 lumens/watt
Spacing Criteria (0/90/45):	0.79 / 0.79 / 0.85
Luminous Opening:	Point Source (0' x 0' x 0')
CIE Type:	Direct

Input Watts (W):	158.5
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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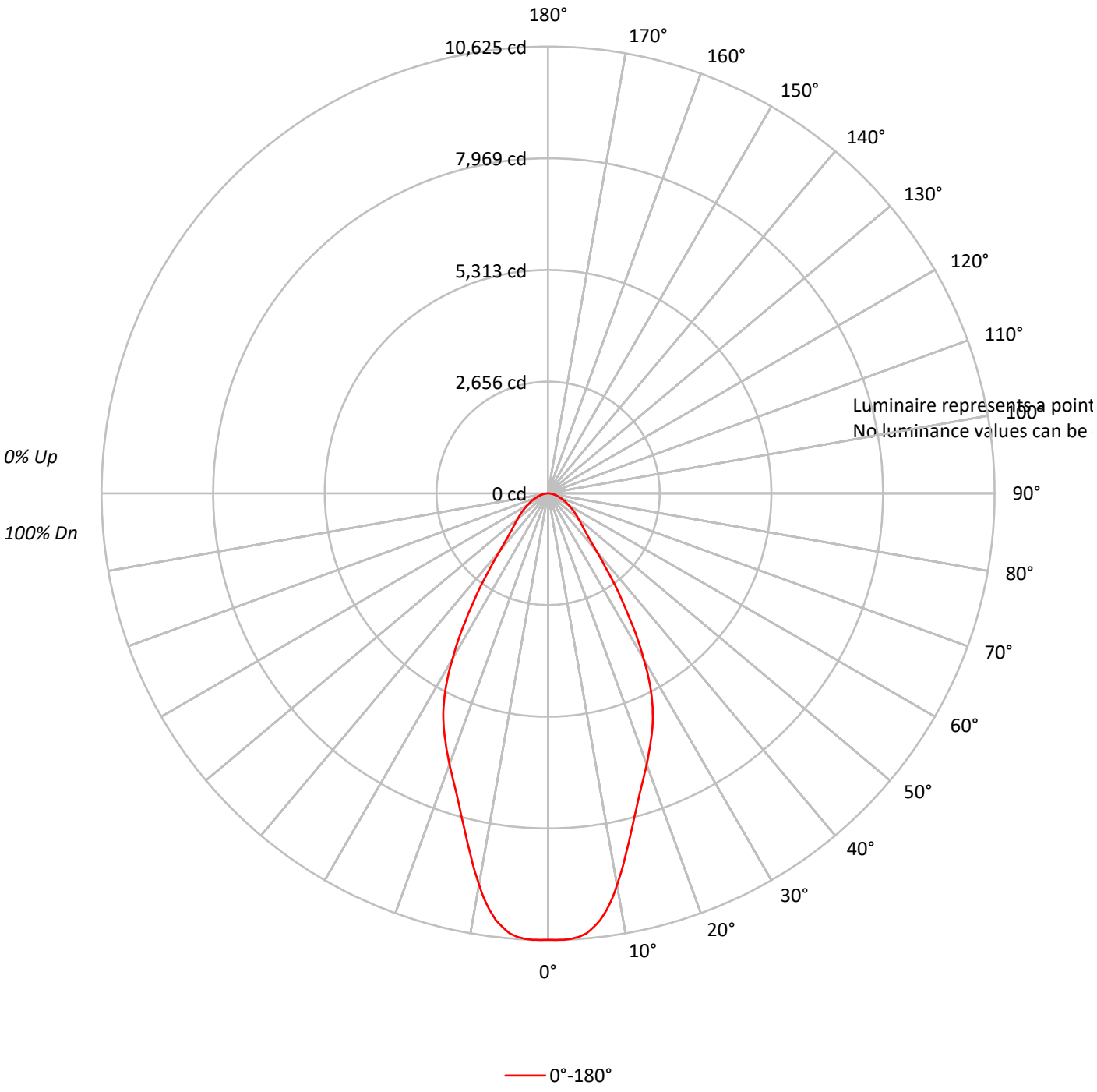
Luminous Intensity Polar Plot



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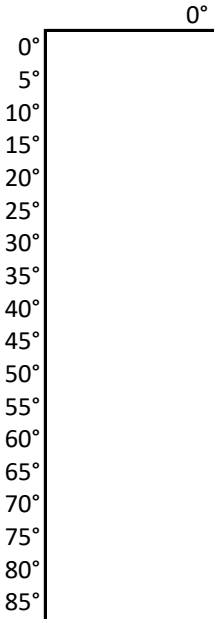
COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	109	106	104	101	102	100	98	98	97	95	95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67
5	87	78	71	66	85	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	56	76	67	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43

AVERAGE LUMINANCE (cd/sqm):



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	969.3	9.6
10°-20°	2236.5	22.1
20°-30°	2665.6	26.3
30°-40°	1881.6	18.6
40°-50°	971.7	9.6
50°-60°	666.8	6.6
60°-70°	433.5	4.3
70°-80°	227.0	2.2
80°-90°	69.0	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°	5871.5	58.0
0°-40°	7753.0	76.6
0°-60°	9391.6	92.8
0°-90°	10121.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10121.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10618	
5°	10502	969
15°	7954	2237
25°	5900	2666
35°	2990	1882
45°	1214	972
55°	740	667
65°	436	434
75°	210	227
85°	58	69
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10618.3
1°	10624.8
2°	10624.8
3°	10608.6
4°	10573.1
5°	10502.0
6°	10376.1
7°	10221.1
8°	10007.9
9°	9749.6
10°	9459.0
11°	9152.1
12°	8832.3
13°	8525.6
14°	8228.5
15°	7954.1
16°	7698.9
17°	7463.2
18°	7250.0
19°	7049.8
20°	6856.0
21°	6665.5
22°	6478.2
23°	6290.9
24°	6100.4
25°	5900.1
26°	5674.0
27°	5428.6
28°	5160.6
29°	4876.4
30°	4553.4
31°	4240.2
32°	3920.4
33°	3591.1
34°	3287.5
35°	2990.5
37.5°	2302.6
40°	1773.0
42.5°	1427.4
45°	1214.2
47.5°	1062.4
50°	943.0
52.5°	839.7
55°	739.6
57.5°	649.2

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CANDELA DISTRIBUTION (continued):

	0°
60°	*574.8*
62.5°	*500.6*
65°	*436.0*
67.5°	*377.8*
70°	*303.6*
72.5°	*261.6*
75°	*210.0*
77.5°	*171.1*
80°	*132.4*
82.5°	*96.9*
85°	*58.2*
87.5°	*32.2*
90°	*0.0*

(END OF REPORT)