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: P250376

Luminaire Tested: **LSR8B150D010 EC8B150827 8LBN0B**

Issue Date: 03/03/2020

Report Generated By E0454808 / USPTCWHP6056648

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Test Information

Test Method:	LM-79-08
Report Number:	P250376
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13948)
Test Lab:	INNOVATION CENTER-P1
Issue Date:	03/03/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	PORTFOLIO
Catalog Number:	LSR8B150D010 EC8B150827 8LBN0B
Description:	PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED DOWNLIGHT- CYLINDEC
	80 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8671.0 lumens
Efficiency:	N/A
Efficacy:	54.7 lumens/watt
Spacing Criteria (0/90/45):	0.69 / 0.69 / 0.77
Luminous Opening:	Circular (Dia: 0.67' x H: 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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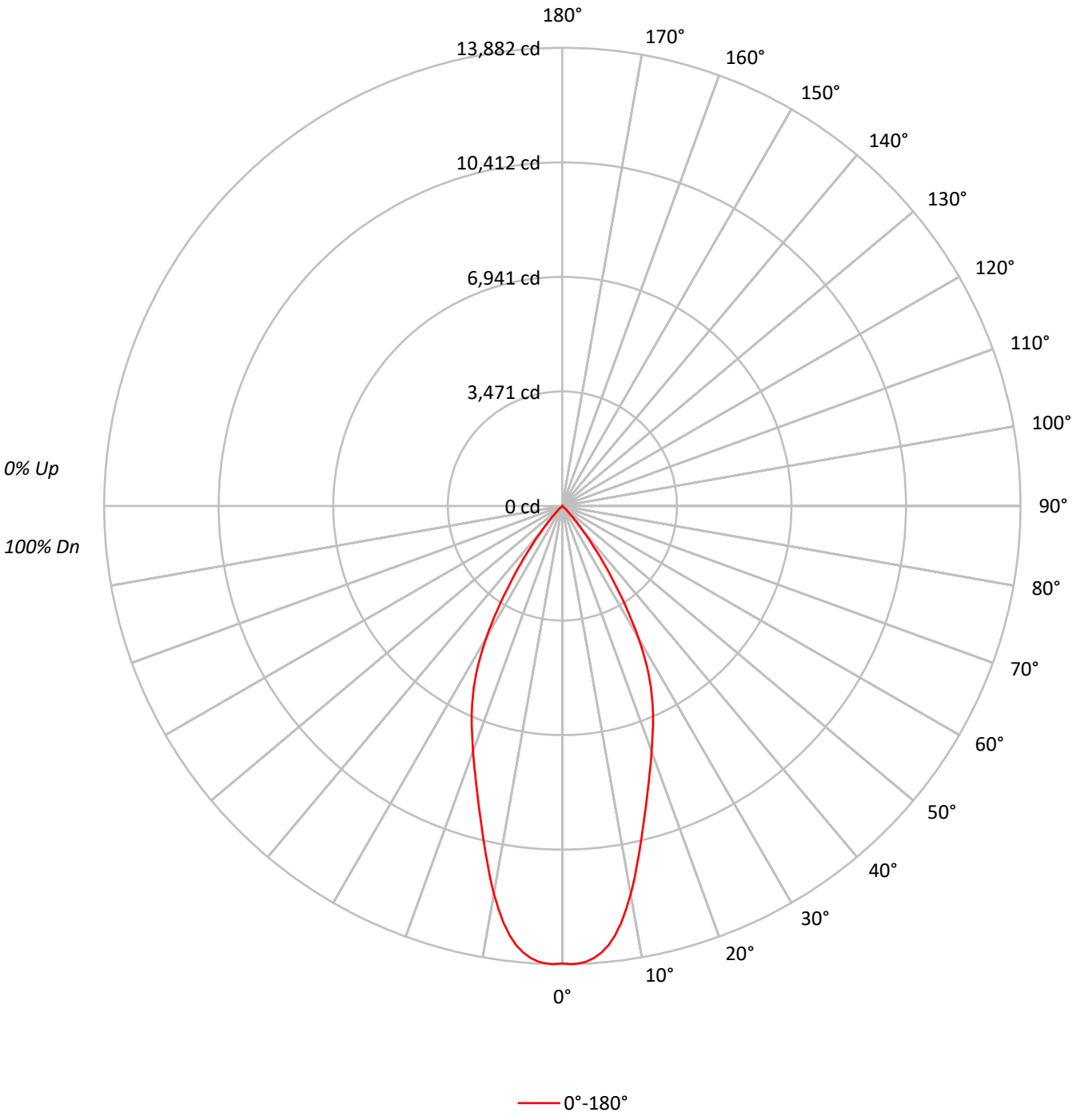
Luminous Intensity Polar Plot



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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	114	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	88	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	90	82	77	73	89	81	76	72	80	75	72	79	75	71	77	74	71	70
7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66
8	83	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	427249
5°	420422
10°	373537
15°	308135
20°	259510
25°	218884
30°	163887
35°	92748
40°	36671
45°	9847
50°	1885
55°	0
60°	271
65°	0
70°	0
75°	0
80°	0
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1243.8	14.3
10°-20°	2703.3	31.2
20°-30°	2902.2	33.5
30°-40°	1568.6	18.1
40°-50°	244.7	2.8
50°-60°	6.7	0.1
60°-70°	1.6	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	6849.3	79.0
0°-40°	8417.9	97.1
0°-60°	8669.3	100.0
0°-90°	8671.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8671.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13855	
5°	13582	###
15°	9652	2703
25°	6433	2902
35°	2464	1569
45°	226	245
55°	0	7
65°	0	2
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	13855.4
1°	13881.7
2°	13868.7
3°	13821.2
4°	13729.9
5°	13582.1
6°	13378.7
7°	13105.0
8°	12762.3
9°	12368.0
10°	11929.5
11°	11469.5
12°	10992.4
13°	10515.7
14°	10072.7
15°	9652.1
16°	9265.9
17°	8892.8
18°	8545.8
19°	8220.8
20°	7908.2
21°	7604.5
22°	7317.9
23°	7032.1
24°	6732.7
25°	6433.2
26°	6129.4
27°	5782.6
28°	5400.6
29°	5010.7
30°	4602.7
31°	4164.6
32°	3726.1
33°	3292.5
34°	2854.4
35°	2463.8
37.5°	1574.7
40°	911.0
42.5°	486.0
45°	225.8
47.5°	121.7
50°	39.3
52.5°	4.4
55°	0.0
57.5°	4.4

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CANDELA DISTRIBUTION (continued):

	0°
60°	*4.4*
62.5°	*0.0*
65°	*0.0*
67.5°	*4.4*
70°	*0.0*
72.5°	*0.0*
75°	*0.0*
77.5°	*0.0*
80°	*0.0*
82.5°	*0.0*
85°	*0.0*
87.5°	*0.0*
90°	*0.0*

(END OF REPORT)