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: P250439

Luminaire Tested: **LSR8B150D010 EC8B150950 8LBN0B**

Issue Date: 03/03/2020

Report Generated By E0454808 / USPTCWHP6056648

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P250439
	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 EC8B150950 8LBN0B
Description:	PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED DOWNLIGHT- CYLINDEC
	90 CRI 5000 CCT WITH SPECULAR BLACK TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8524.0 lumens
Efficiency:	N/A
Efficacy:	53.8 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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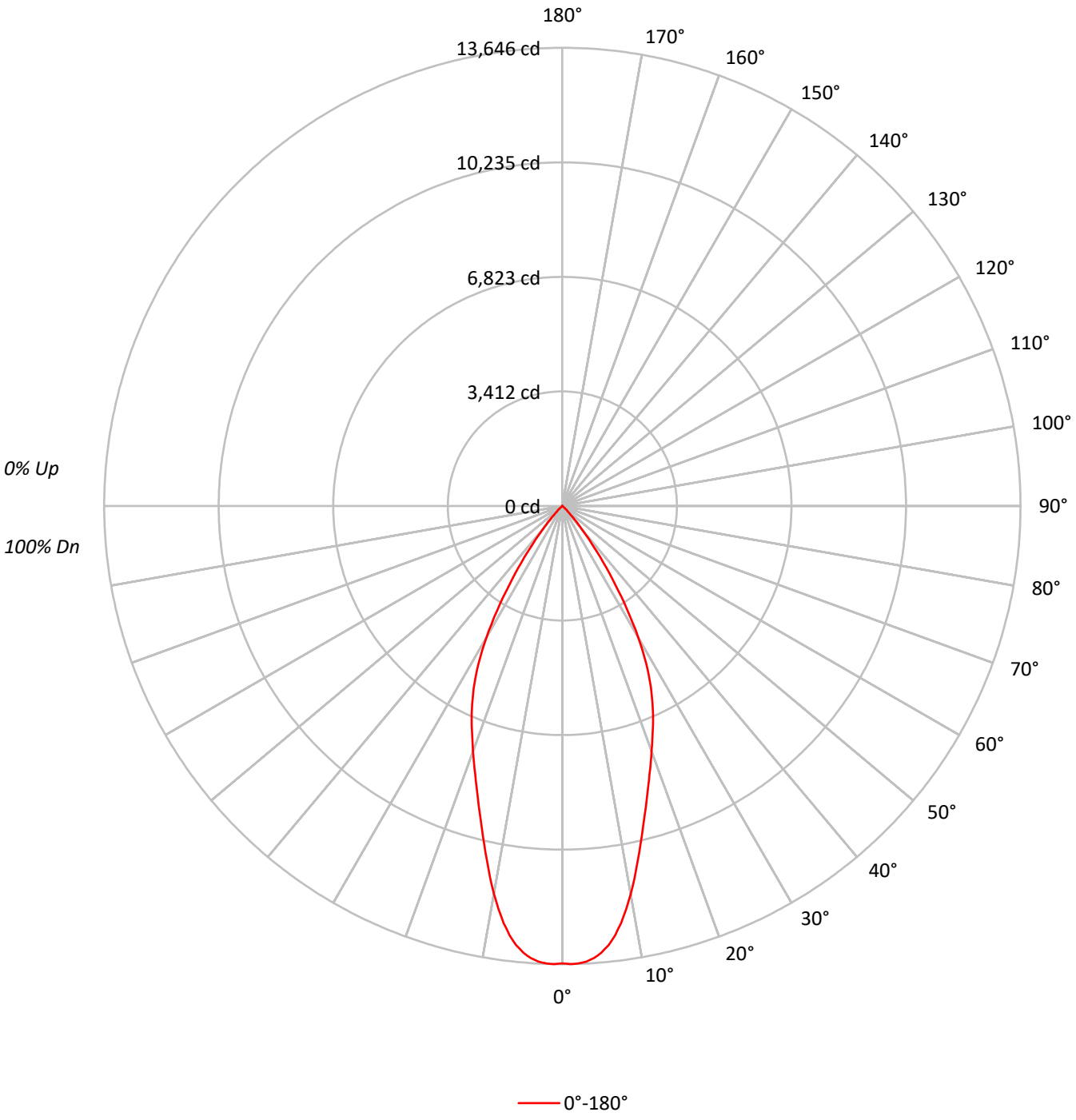
Luminous Intensity Polar Plot



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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°	420006
5°	413296
10°	367202
15°	302912
20°	255113
25°	215172
30°	161110
35°	91178
40°	36051
45°	9677
50°	1857
55°	0
60°	265
65°	0
70°	0
75°	0
80°	0
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1222.7	14.3
10°-20°	2657.5	31.2
20°-30°	2853.0	33.5
30°-40°	1542.0	18.1
40°-50°	240.6	2.8
50°-60°	6.6	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°	6733.2	79.0
0°-40°	8275.2	97.1
0°-60°	8522.4	100.0
0°-90°	8524.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8524.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13620	
5°	13352	###
15°	9488	2658
25°	6324	2853
35°	2422	1542
45°	222	241
55°	0	7
65°	0	2
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	13620.5
1°	13646.4
2°	13633.5
3°	13586.9
4°	13497.2
5°	13351.9
6°	13151.9
7°	12882.8
8°	12546.0
9°	12158.3
10°	11727.2
11°	11275.1
12°	10806.0
13°	10337.4
14°	9902.0
15°	9488.5
16°	9108.9
17°	8742.1
18°	8400.9
19°	8081.4
20°	7774.2
21°	7475.5
22°	7193.9
23°	6912.9
24°	6618.6
25°	6324.1
26°	6025.5
27°	5684.6
28°	5309.1
29°	4925.8
30°	4524.7
31°	4094.0
32°	3663.0
33°	3236.7
34°	2806.0
35°	2422.1
37.5°	1548.0
40°	895.6
42.5°	477.8
45°	221.9
47.5°	119.7
50°	38.7
52.5°	4.3
55°	0.0
57.5°	4.3

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CANDELA DISTRIBUTION (continued):

	0°
60°	*4.3*
62.5°	*0.0*
65°	*0.0*
67.5°	*4.3*
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)