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: P249816

Luminaire Tested: **LSR8B150D010 EC8B150850 8LBN0H**

Issue Date: 03/03/2020

Report Generated By E0454808 / USPTCWHP6056648

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Test Information

Test Method:	LM-79-08
Report Number:	P249816
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13959)
Test Lab:	INNOVATION CENTER-P1
Issue Date:	03/03/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	PORTFOLIO
Catalog Number:	LSR8B150D010 EC8B150850 8LBN0H
Description:	PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED DOWNLIGHT- CYLINDEC
	80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	14436.0 lumens
Efficiency:	N/A
Efficacy:	91.1 lumens/watt
Spacing Criteria (0/90/45):	0.77 / 0.77 / 0.81
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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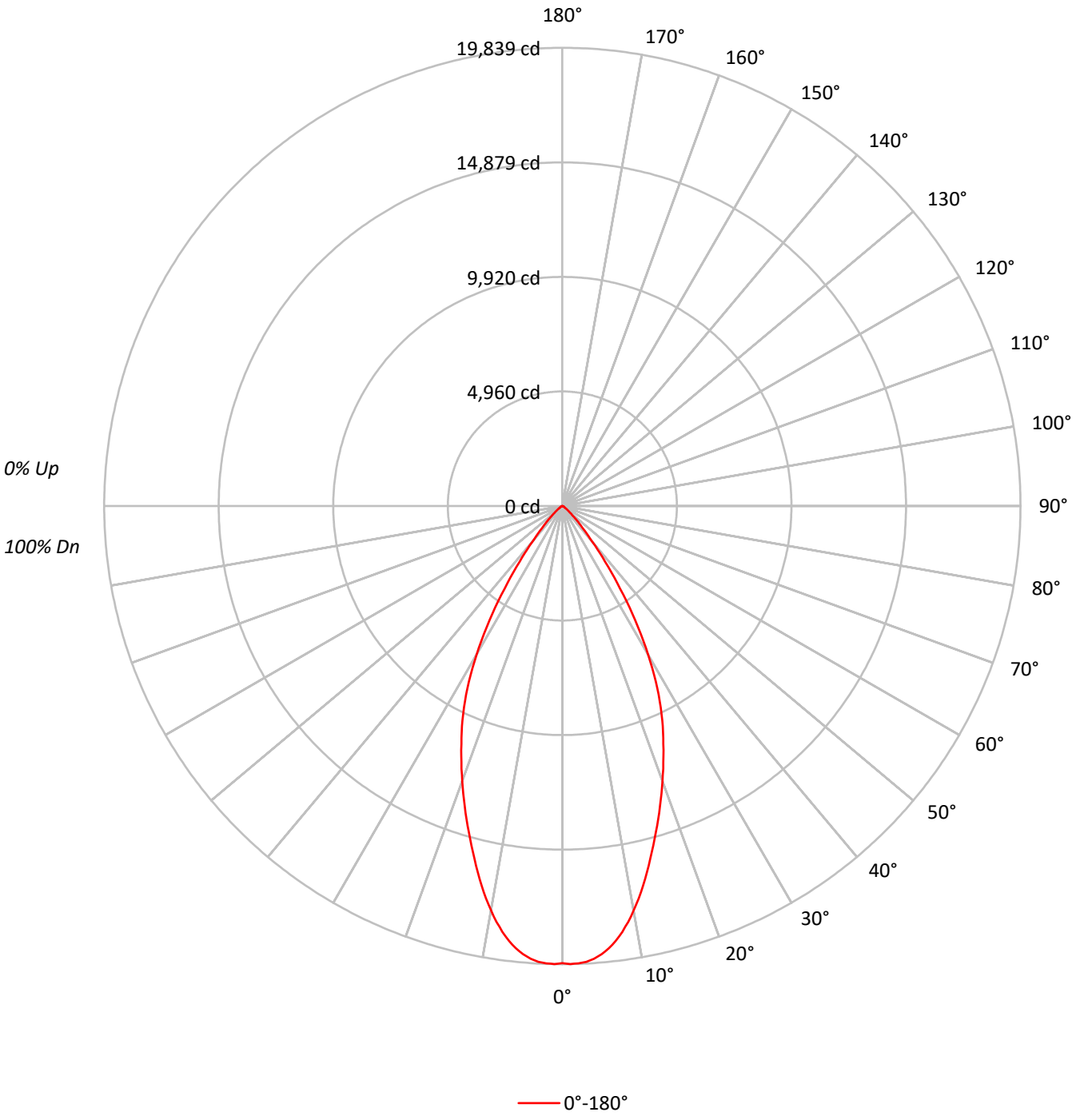
Luminous Intensity Polar Plot



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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	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76
5	93	85	79	75	92	84	79	75	82	78	74	81	77	74	79	76	73	71
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67
7	84	75	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63
8	81	71	65	62	79	71	65	61	70	65	61	69	64	61	68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58	65	61	57	64	60	57	56
10	73	64	58	55	72	64	58	55	63	58	54	62	57	54	61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	610556
5°	603060
10°	556953
15°	485652
20°	416006
25°	348223
30°	264921
35°	164223
40°	81019
45°	38559
50°	18748
55°	9193
60°	5723
65°	3918
70°	2200
75°	1751
80°	1740
85°	1734

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1805.5	12.5
10°-20°	4238.8	29.4
20°-30°	4632.9	32.1
30°-40°	2756.9	19.1
40°-50°	756.2	5.2
50°-60°	171.3	1.2
60°-70°	52.9	0.4
70°-80°	16.1	0.1
80°-90°	5.3	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°	10677.2	74.0
0°-40°	13434.1	93.1
0°-60°	14361.6	99.5
0°-90°	14436.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14436.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19800	
5°	19482	###
15°	15213	4239
25°	10235	4633
35°	4362	2757
45°	884	756
55°	171	171
65°	54	53
75°	15	16
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	19799.9
1°	19839.0
2°	19814.6
3°	19765.7
4°	19653.4
5°	19482.4
6°	19262.5
7°	18969.4
8°	18627.5
9°	18231.7
10°	17787.2
11°	17313.3
12°	16805.3
13°	16282.5
14°	15740.3
15°	15212.7
16°	14694.8
17°	14186.8
18°	13678.7
19°	13170.6
20°	12677.2
22.5°	11436.4
25°	10234.6
27.5°	8910.7
30°	7440.2
32.5°	5862.3
35°	4362.5
37.5°	3033.7
40°	2012.7
42.5°	1319.0
45°	884.2
47.5°	586.2
50°	390.8
52.5°	239.4
55°	171.0
57.5°	122.1
60°	92.8
62.5°	68.4
65°	53.7
67.5°	34.2
70°	24.4
72.5°	19.5
75°	14.7
77.5°	9.8
80°	9.8

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CANDELA DISTRIBUTION (continued):

	0°
82.5°	*4.9*
85°	*4.9*
87.5°	*4.9*
90°	*0.0*

(END OF REPORT)