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: P249921

Luminaire Tested: **LSR8B150D010 EC8B150935 8LBM0H**

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:	P249921
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13954)
Test Lab:	INNOVATION CENTER-P1
Issue Date:	03/03/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	PORTFOLIO
Catalog Number:	LSR8B150D010 EC8B150935 8LBM0H
Description:	PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED DOWNLIGHT- CYLINDEC
	90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13445.0 lumens
Efficiency:	N/A
Efficacy:	84.8 lumens/watt
Spacing Criteria (0/90/45):	0.92 / 0.92 / 0.93
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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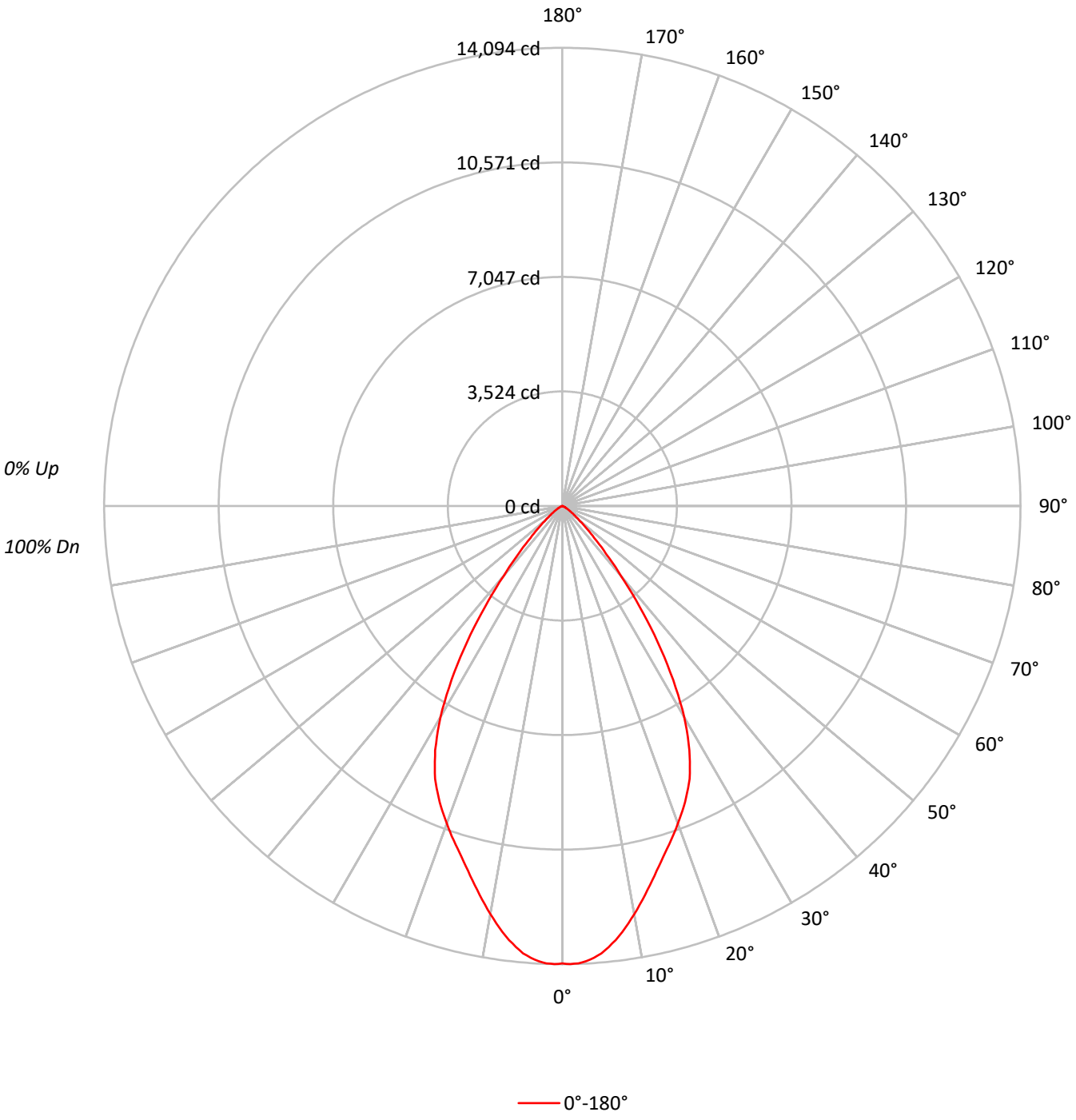
Luminous Intensity Polar Plot



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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	113	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86
3	101	95	90	85	99	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73
5	91	82	76	71	89	81	75	71	79	74	70	78	73	70	76	72	69	68
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	60	68	64	60	67	63	60	58
8	77	67	61	57	76	67	61	56	65	60	56	64	60	56	63	59	56	54
9	73	63	57	53	72	63	57	53	62	56	53	61	56	52	60	55	52	51
10	70	60	53	49	69	59	53	49	58	53	49	57	53	49	57	52	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	433947
5°	427557
10°	399018
15°	366259
20°	341119
25°	315162
30°	267260
35°	192264
40°	113263
45°	60529
50°	31580
55°	17811
60°	9824
65°	5815
70°	2651
75°	1501
80°	746
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1282.9	9.5
10°-20°	3227.9	24.0
20°-30°	4190.5	31.2
30°-40°	3162.9	23.5
40°-50°	1157.3	8.6
50°-60°	323.5	2.4
60°-70°	85.0	0.6
70°-80°	14.3	0.1
80°-90°	0.6	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°	8701.3	64.7
0°-40°	11864.2	88.2
0°-60°	13345.1	99.3
0°-90°	13445.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13445.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14073	
5°	13813	###
15°	11473	3228
25°	9263	4190
35°	5107	3163
45°	1388	1157
55°	331	324
65°	80	85
75°	13	14
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	14072.6
1°	14093.6
2°	14076.8
3°	14022.3
4°	13930.0
5°	13812.6
6°	13640.7
7°	13452.0
8°	13234.0
9°	12994.9
10°	12743.3
11°	12491.7
12°	12231.8
13°	11967.6
14°	11716.0
15°	11472.8
16°	11242.1
17°	11019.9
18°	10818.6
19°	10609.0
20°	10395.1
22.5°	9862.6
25°	9262.9
27.5°	8470.4
30°	7505.9
32.5°	6344.4
35°	5107.4
37.5°	3899.7
40°	2813.7
42.5°	1991.8
45°	1388.0
47.5°	977.0
50°	658.3
52.5°	482.2
55°	331.3
57.5°	239.0
60°	159.3
62.5°	117.4
65°	79.7
67.5°	54.5
70°	29.4
72.5°	21.0
75°	12.6
77.5°	4.2
80°	4.2

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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)