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: P250551

Luminaire Tested: **LD8B150D010 ER8B150830 8LBM0B**

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:	P250551
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13928)
Test Lab:	INNOVATION CENTER-P1
Issue Date:	03/03/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	PORTFOLIO
Catalog Number:	LD8B150D010 ER8B150830 8LBM0B
Description:	PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED DOWNLIGHT
	80 CRI 3000 CCT WITH SPECULAR BLACK TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9833.0 lumens
Efficiency:	N/A
Efficacy:	62.0 lumens/watt
Spacing Criteria (0/90/45):	0.79 / 0.79 / 0.87
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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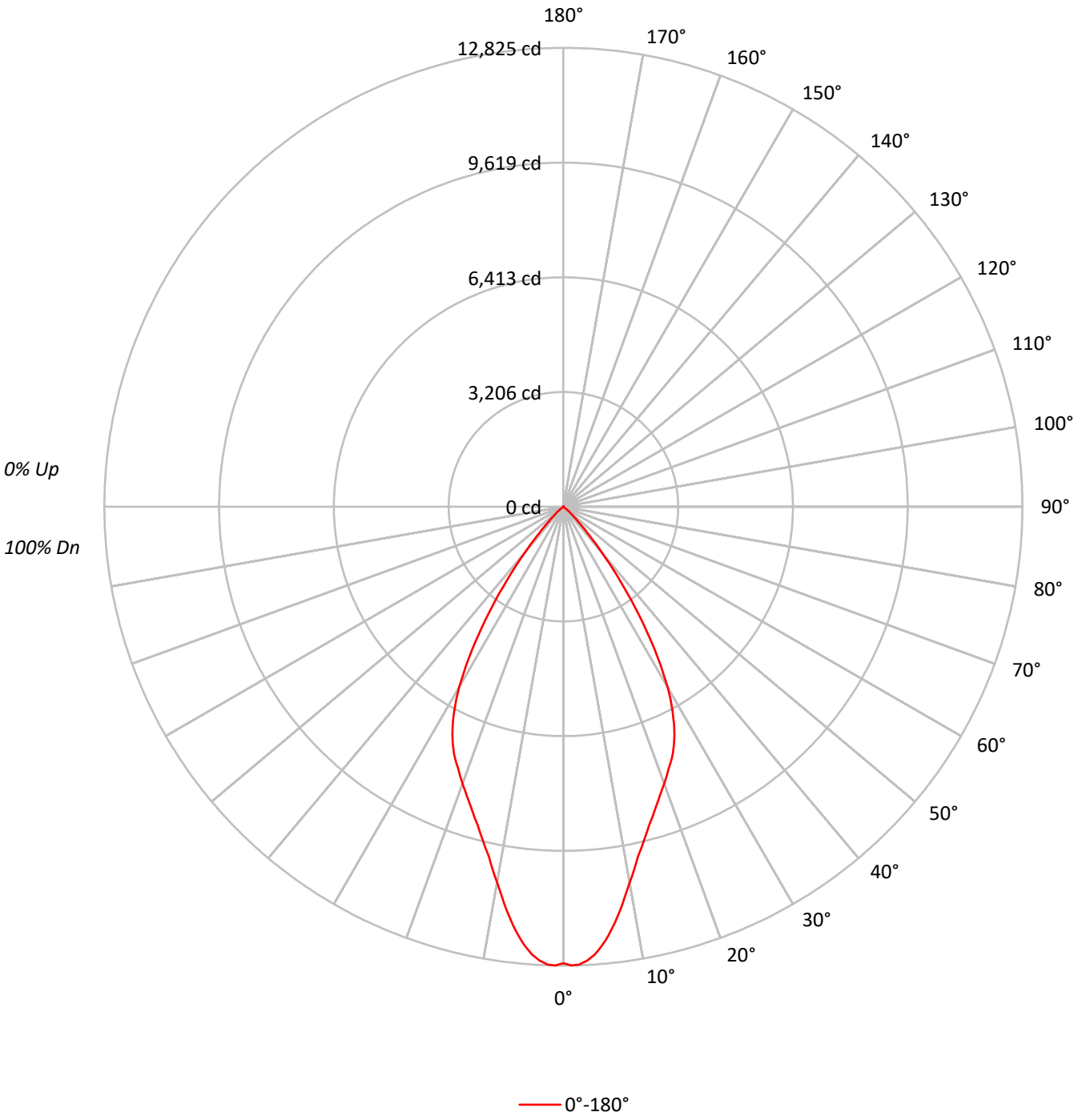
Luminous Intensity Polar Plot



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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	108	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71
6	88	79	74	69	87	79	73	69	77	72	69	76	71	68	74	71	68	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	70	66	63	62
8	80	70	64	60	79	70	64	60	69	64	60	68	63	60	67	63	60	58
9	76	66	61	57	75	66	60	57	65	60	56	64	60	56	63	59	56	55
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	393431
5°	381401
10°	334030
15°	294902
20°	270231
25°	248822
30°	207096
35°	137556
40°	66946
45°	24247
50°	7297
55°	511
60°	0
65°	350
70°	0
75°	0
80°	852
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1120.7	11.4
10°-20°	2602.5	26.5
20°-30°	3301.7	33.6
30°-40°	2261.9	23.0
40°-50°	515.5	5.2
50°-60°	25.7	0.3
60°-70°	1.2	0.0
70°-80°	1.9	0.0
80°-90°	2.0	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°	7024.9	71.4
0°-40°	9286.8	94.4
0°-60°	9828.0	99.9
0°-90°	9833.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9833.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12759	
5°	12322	###
15°	9238	2603
25°	7313	3302
35°	3654	2262
45°	556	515
55°	10	26
65°	5	1
75°	0	2
85°	0	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	12758.7
1°	12825.2
2°	12801.3
3°	12706.3
4°	12544.7
5°	12321.5
6°	12050.6
7°	11737.0
8°	11390.1
9°	11019.4
10°	10667.8
11°	10344.7
12°	9997.8
13°	9746.0
14°	9479.9
15°	9237.6
16°	9019.0
17°	8805.0
18°	8605.5
19°	8410.7
20°	8234.9
21°	8054.3
22°	7869.0
23°	7707.5
24°	7526.9
25°	7313.1
26°	7075.4
27°	6799.9
28°	6505.2
29°	6177.4
30°	5816.2
31°	5407.6
32°	4984.7
33°	4542.7
34°	4091.3
35°	3654.1
37.5°	2580.2
40°	1663.1
42.5°	978.9
45°	556.0
47.5°	299.4
50°	152.1
52.5°	28.5
55°	9.5
57.5°	4.8

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CANDELA DISTRIBUTION (continued):

	0°
60°	*0.0*
62.5°	*0.0*
65°	*4.8*
67.5°	*0.0*
70°	*0.0*
72.5°	*4.8*
75°	*0.0*
77.5°	*0.0*
80°	*4.8*
82.5°	*0.0*
85°	*0.0*
87.5°	*4.8*
90°	*0.0*

(END OF REPORT)