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: P250405

Luminaire Tested: **LD8B175D010 ER8B175850 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:	P250405
	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:	LD8B175D010 ER8B175850 8LBN0B
Description:	PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED DOWNLIGHT
	80 CRI 5000 CCT WITH SPECULAR BLACK TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10571.0 lumens
Efficiency:	N/A
Efficacy:	59.7 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):	177.2
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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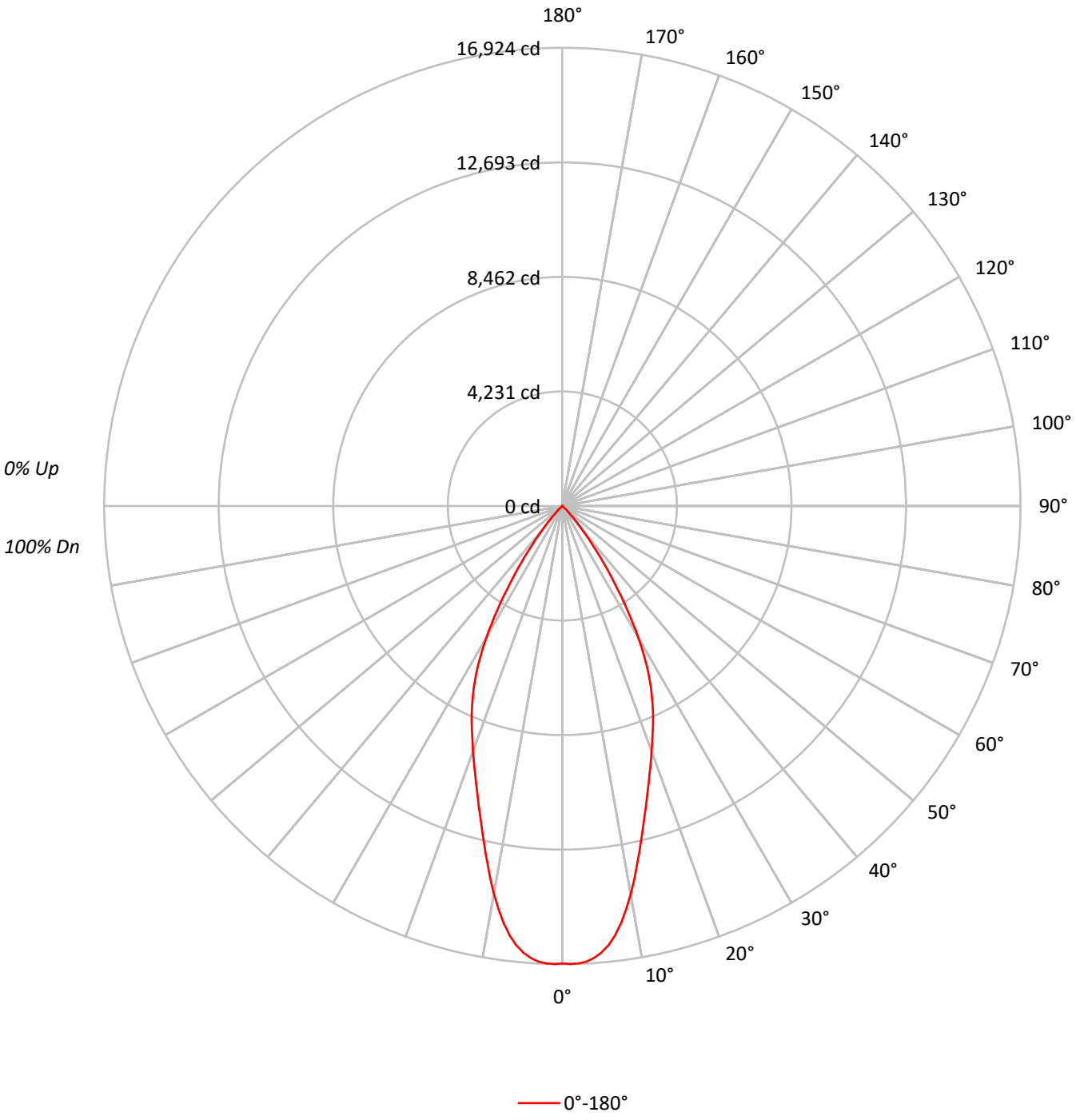
Luminous Intensity Polar Plot



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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°	520869
5°	512547
10°	455386
15°	375654
20°	316376
25°	266844
30°	199800
35°	113072
40°	44710
45°	12001
50°	2298
55°	0
60°	333
65°	0
70°	0
75°	0
80°	0
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1516.3	14.3
10°-20°	3295.7	31.2
20°-30°	3538.2	33.5
30°-40°	1912.3	18.1
40°-50°	298.3	2.8
50°-60°	8.2	0.1
60°-70°	2.0	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°	8350.2	79.0
0°-40°	10262.5	97.1
0°-60°	10569.0	100.0
0°-90°	10571.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10571.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16891	
5°	16558	###
15°	11767	3296
25°	7843	3538
35°	3004	1912
45°	275	298
55°	0	8
65°	0	2
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	16891.4
1°	16923.5
2°	16907.6
3°	16849.7
4°	16738.4
5°	16558.3
6°	16310.2
7°	15976.5
8°	15558.8
9°	15078.1
10°	14543.5
11°	13982.8
12°	13401.0
13°	12819.9
14°	12279.9
15°	11767.1
16°	11296.3
17°	10841.4
18°	10418.3
19°	10022.2
20°	9641.1
21°	9270.8
22°	8921.5
23°	8573.0
24°	8208.0
25°	7842.8
26°	7472.5
27°	7049.7
28°	6584.0
29°	6108.7
30°	5611.3
31°	5077.2
32°	4542.6
33°	4013.9
34°	3479.9
35°	3003.7
37.5°	1919.7
40°	1110.7
42.5°	592.5
45°	275.2
47.5°	148.4
50°	47.9
52.5°	5.4
55°	0.0
57.5°	5.4

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CANDELA DISTRIBUTION (continued):

	0°
60°	5.4
62.5°	0.0
65°	0.0
67.5°	5.4
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)