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: P250101

Luminaire Tested: **LD8B100D010 ER8B100950 8LBN0WH**

Issue Date: 03/03/2020

Report Generated By E0454808 / USPTCWHP6056648

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Test Information

Test Method:	LM-79-08
Report Number:	P250101
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13946)
Test Lab:	INNOVATION CENTER-P1
Issue Date:	03/03/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	PORTFOLIO
Catalog Number:	LD8B100D010 ER8B100950 8LBN0WH
Description:	PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED DOWNLIGHT
	90 CRI 5000 CCT WITH WHEAT TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9319.0 lumens
Efficiency:	N/A
Efficacy:	87.7 lumens/watt
Spacing Criteria (0/90/45):	0.58 / 0.58 / 0.66
Luminous Opening:	Circular (Dia: 0.67' x H: 0')
CIE Type:	Direct

Input Watts (W):	106.3
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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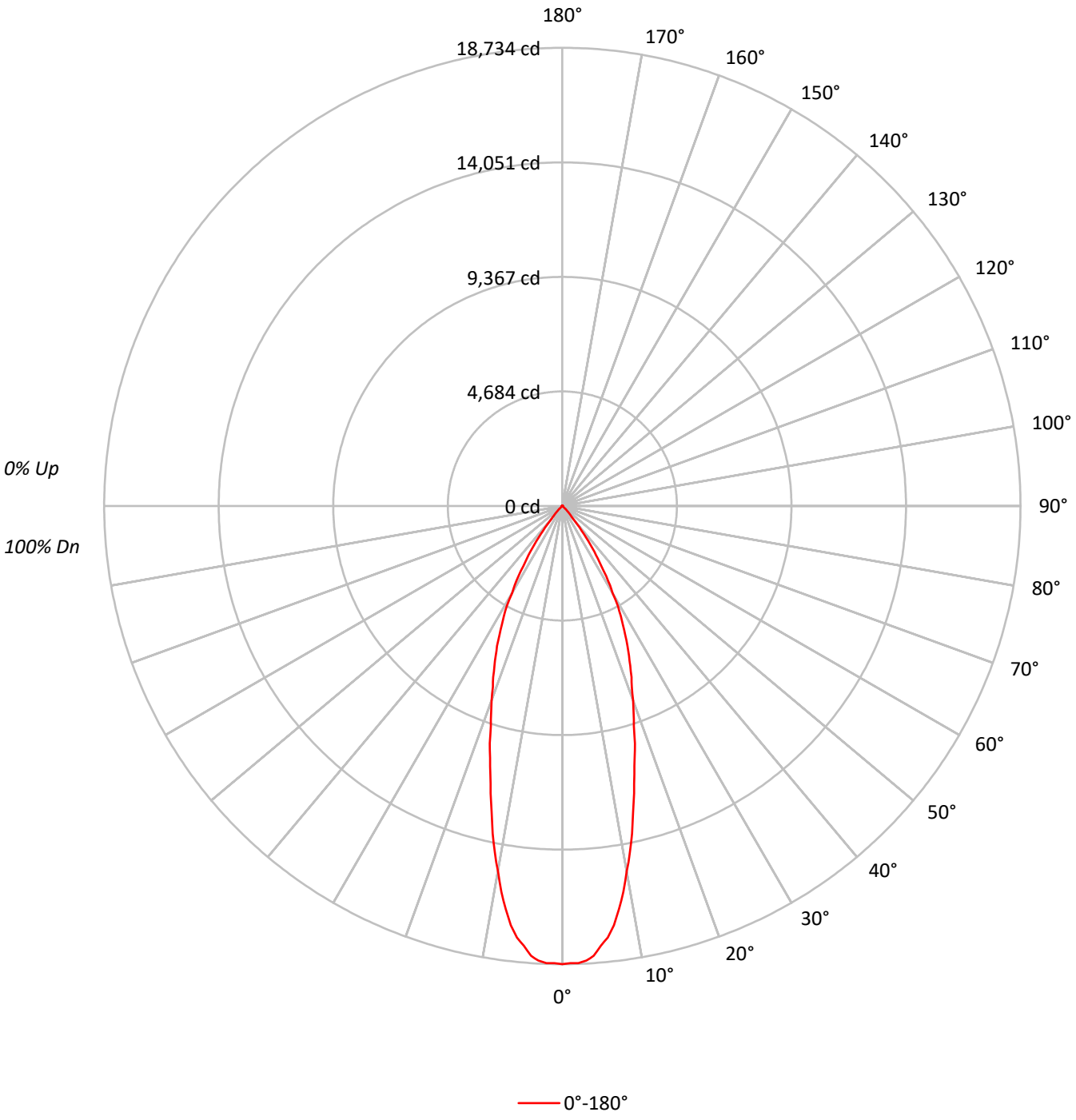
Luminous Intensity Polar Plot



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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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	85
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76
6	92	84	79	75	90	83	78	74	82	77	74	80	76	74	79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65
9	81	72	67	64	80	72	67	64	71	66	63	70	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	63	60	67	63	60	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	577672
5°	558638
10°	475088
15°	362607
20°	277122
25°	214747
30°	146468
35°	86051
40°	26314
45°	10353
50°	158
55°	177
60°	204
65°	474
70°	884
75°	774
80°	586
85°	3467

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1636.1	17.6
10°-20°	3170.4	34.0
20°-30°	2854.4	30.6
30°-40°	1412.2	15.2
40°-50°	214.8	2.3
50°-60°	8.8	0.1
60°-70°	11.4	0.1
70°-80°	4.3	0.0
80°-90°	6.7	0.1
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°	7660.8	82.2
0°-40°	9073.0	97.4
0°-60°	9296.7	99.8
0°-90°	9319.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9319.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18734	
5°	18047	###
15°	11358	3170
25°	6312	2854
35°	2286	1412
45°	237	215
55°	3	9
65°	6	11
75°	6	4
85°	10	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	18733.5
1°	18694.5
2°	18704.1
3°	18609.8
4°	18437.5
5°	18047.3
6°	17748.2
7°	17273.4
8°	16636.1
9°	15972.7
10°	15172.7
11°	14457.3
12°	13690.0
13°	12841.2
14°	12109.6
15°	11358.4
16°	10717.8
17°	10152.0
18°	9456.1
19°	8945.5
20°	8444.9
21°	7924.5
22°	7544.1
23°	7101.8
24°	6695.3
25°	6311.6
26°	5859.6
27°	5453.2
28°	5089.0
29°	4689.0
30°	4113.5
31°	3788.4
32°	3378.6
33°	2929.8
34°	2588.4
35°	2285.9
37.5°	1447.0
40°	653.7
42.5°	445.5
45°	237.4
47.5°	133.3
50°	3.3
52.5°	13.0
55°	3.3
57.5°	19.6

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CANDELA DISTRIBUTION (continued):

	0°
60°	*3.3*
62.5°	*16.3*
65°	*6.5*
67.5°	*16.3*
70°	*9.8*
72.5°	*3.3*
75°	*6.5*
77.5°	*0.0*
80°	*3.3*
82.5°	*13.0*
85°	*9.8*
87.5°	*0.0*
90°	*0.0*

(END OF REPORT)