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: P249894

Luminaire Tested: **LD8B175D010 ER8B175840 8LBM0H**

Issue Date: 03/03/2020

Report Generated By E0454808 / USPTCWHP6056648

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Test Information

Test Method:	LM-79-08
Report Number:	P249894
	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:	LD8B175D010 ER8B175840 8LBM0H
Description:	PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED DOWNLIGHT
	80 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17683.0 lumens
Efficiency:	N/A
Efficacy:	99.8 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):	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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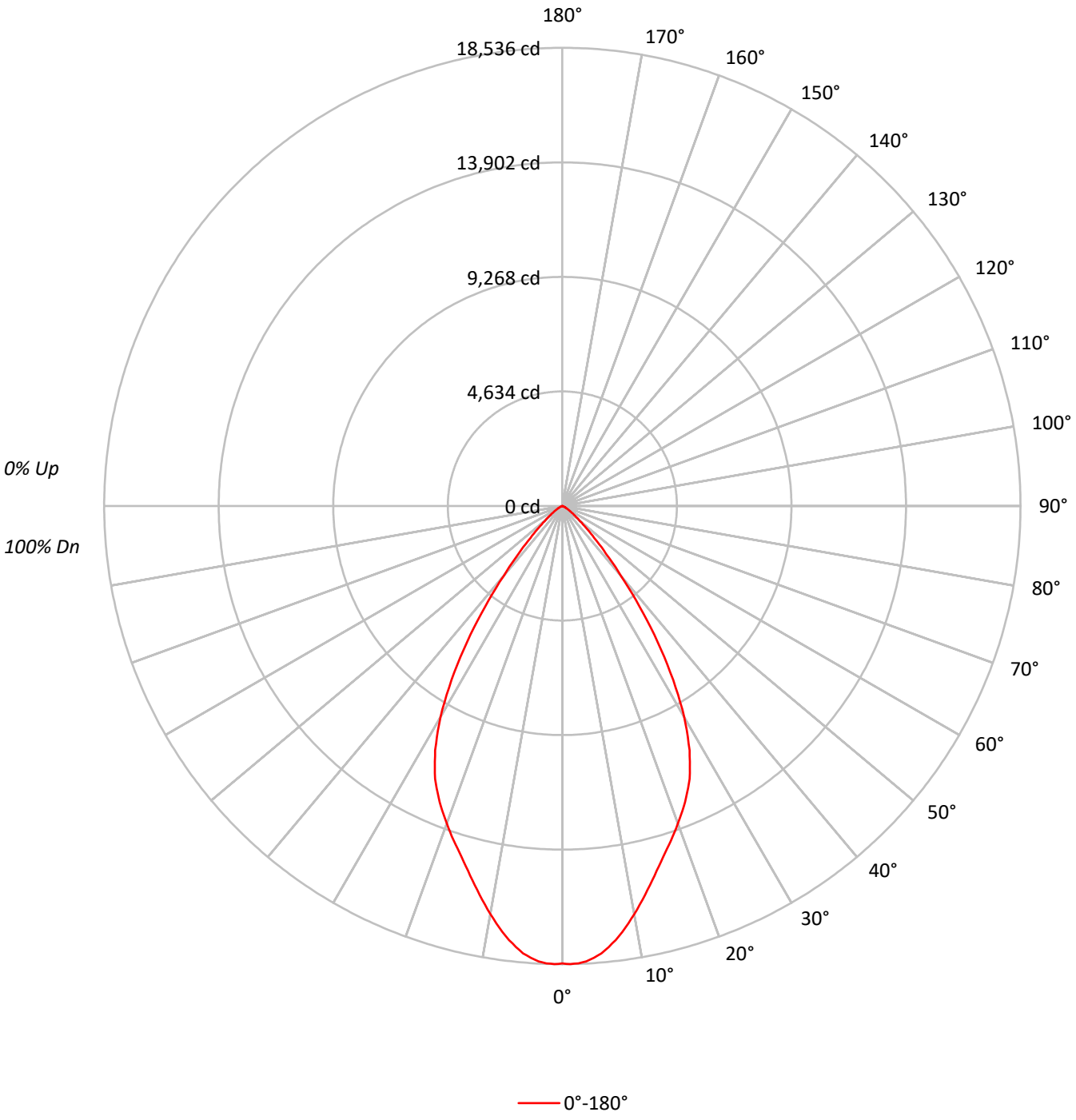
Luminous Intensity Polar Plot



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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	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°	570731
5°	562328
10°	524796
15°	481706
20°	448644
25°	414506
30°	351506
35°	252867
40°	148964
45°	79608
50°	41540
55°	23424
60°	12927
65°	7647
70°	3480
75°	1966
80°	977
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1687.3	9.5
10°-20°	4245.4	24.0
20°-30°	5511.4	31.2
30°-40°	4159.9	23.5
40°-50°	1522.1	8.6
50°-60°	425.5	2.4
60°-70°	111.8	0.6
70°-80°	18.8	0.1
80°-90°	0.7	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°	11444.1	64.7
0°-40°	15604.0	88.2
0°-60°	17551.6	99.3
0°-90°	17683.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17683.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18508	
5°	18166	###
15°	15089	4245
25°	12183	5511
35°	6717	4160
45°	1826	1522
55°	436	426
65°	105	112
75°	16	19
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	18508.4
1°	18536.0
2°	18513.9
3°	18442.3
4°	18320.9
5°	18166.5
6°	17940.4
7°	17692.2
8°	17405.4
9°	17091.1
10°	16760.2
11°	16429.3
12°	16087.3
13°	15739.9
14°	15409.0
15°	15089.1
16°	14785.8
17°	14493.5
18°	14228.8
19°	13953.0
20°	13671.8
22.5°	12971.3
25°	12182.7
27.5°	11140.4
30°	9871.9
32.5°	8344.2
35°	6717.3
37.5°	5129.0
40°	3700.6
42.5°	2619.6
45°	1825.5
47.5°	1285.0
50°	865.9
52.5°	634.2
55°	435.7
57.5°	314.4
60°	209.6
62.5°	154.4
65°	104.8
67.5°	71.7
70°	38.6
72.5°	27.6
75°	16.5
77.5°	5.5
80°	5.5

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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)