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: P250441

Luminaire Tested: **LD8B200D010 ER8B200950 8LBN0B**

Issue Date: 03/03/2020

Report Generated By E0454808 / USPTCWHP6056648

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P250441
	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:	LD8B200D010 ER8B200950 8LBN0B
Description:	PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED DOWNLIGHT
	90 CRI 5000 CCT WITH SPECULAR BLACK TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11344.0 lumens
Efficiency:	N/A
Efficacy:	50.8 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

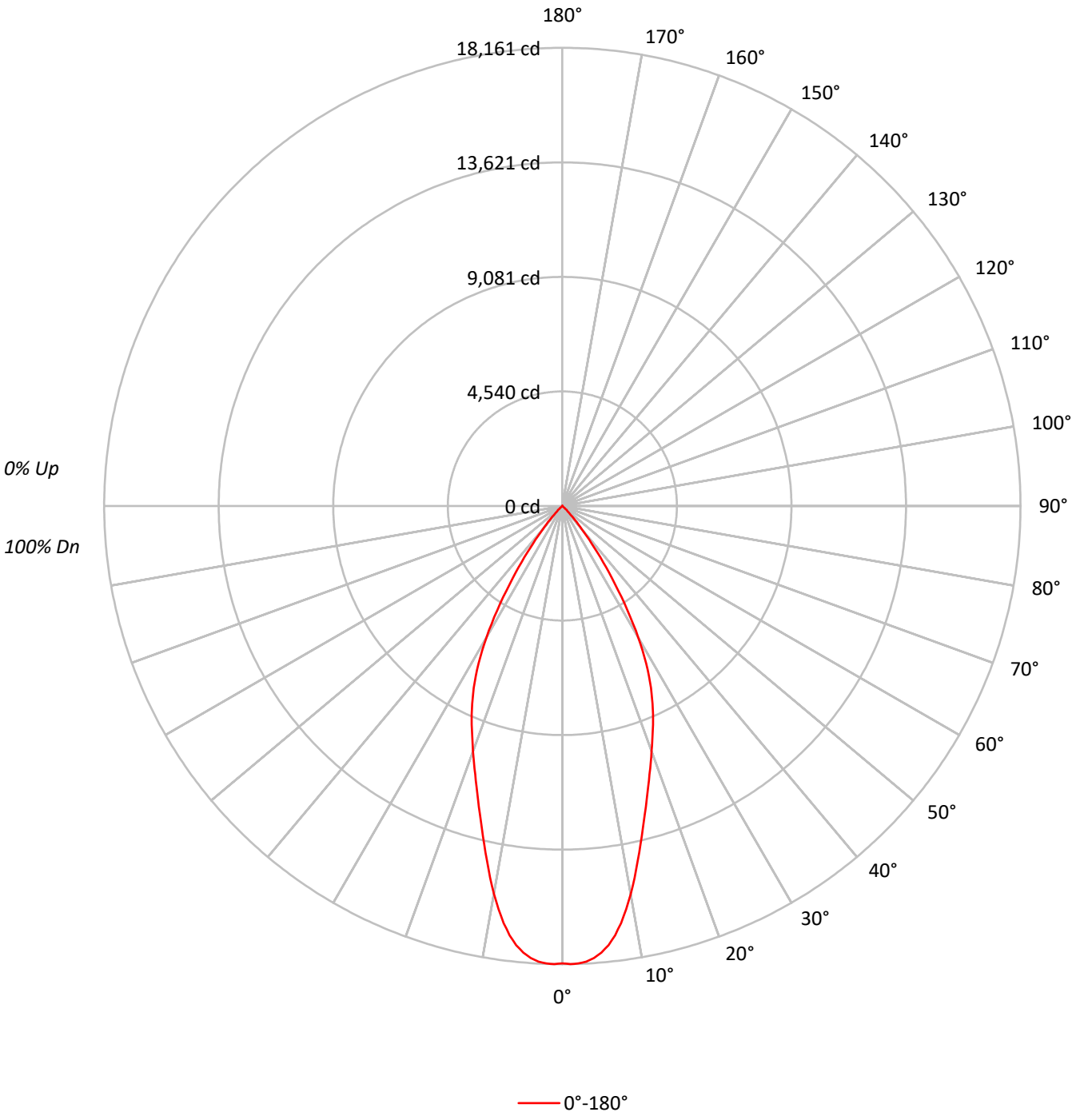
Input Watts (W):	223.3
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	25 FT

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P250441
CATALOG NUMBER: LD8B200D010 ER8B200950 8LBN0B

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P250441
CATALOG NUMBER: LD8B200D010 ER8B200950 8LBN0B

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°	558958
5°	550027
10°	488687
15°	403122
20°	339511
25°	286357
30°	214409
35°	121342
40°	47979
45°	12882
50°	2466
55°	0
60°	358
65°	0
70°	0
75°	0
80°	0
85°	0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P250441
CATALOG NUMBER: LD8B200D010 ER8B200950 8LBN0B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1627.2	14.3
10°-20°	3536.7	31.2
20°-30°	3796.9	33.5
30°-40°	2052.1	18.1
40°-50°	320.2	2.8
50°-60°	8.8	0.1
60°-70°	2.2	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°	8960.8	79.0
0°-40°	11012.9	97.1
0°-60°	11341.8	100.0
0°-90°	11344.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11344.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18127	
5°	17769	###
15°	12628	3537
25°	8416	3797
35°	3223	2052
45°	295	320
55°	0	9
65°	0	2
75°	0	0
85°	0	0
90°	0	

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P250441
CATALOG NUMBER: LD8B200D010 ER8B200950 8LBN0B

CANDELA DISTRIBUTION (FULL):

	0°
0°	18126.6
1°	18161.0
2°	18143.9
3°	18081.8
4°	17962.4
5°	17769.1
6°	17502.9
7°	17144.8
8°	16696.6
9°	16180.7
10°	15607.0
11°	15005.3
12°	14381.0
13°	13757.3
14°	13177.8
15°	12627.5
16°	12122.4
17°	11634.2
18°	11180.2
19°	10755.0
20°	10346.1
21°	9948.7
22°	9573.8
23°	9199.9
24°	8808.2
25°	8416.3
26°	8018.9
27°	7565.2
28°	7065.5
29°	6555.4
30°	6021.6
31°	5448.5
32°	4874.8
33°	4307.4
34°	3734.3
35°	3223.4
37.5°	2060.1
40°	1191.9
42.5°	635.8
45°	295.4
47.5°	159.2
50°	51.4
52.5°	5.8
55°	0.0
57.5°	5.8

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

TEST NUMBER: P250441
CATALOG NUMBER: LD8B200D010 ER8B200950 8LBN0B

CANDELA DISTRIBUTION (continued):

	0°
60°	*5.8*
62.5°	*0.0*
65°	*0.0*
67.5°	*5.8*
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)