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: P250401

Luminaire Tested: **LSR8B90D010 EC8B90850 8LBN0B**

Issue Date: 03/03/2020

Report Generated By E0454808 / USPTCWHP6056648

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Test Information

Test Method:	LM-79-08
Report Number:	P250401
	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:	LSR8B90D010 EC8B90850 8LBN0B
Description:	PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED DOWNLIGHT- CYLINDEC
	80 CRI 5000 CCT WITH SPECULAR BLACK TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5639.0 lumens
Efficiency:	N/A
Efficacy:	65.5 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):	86.1
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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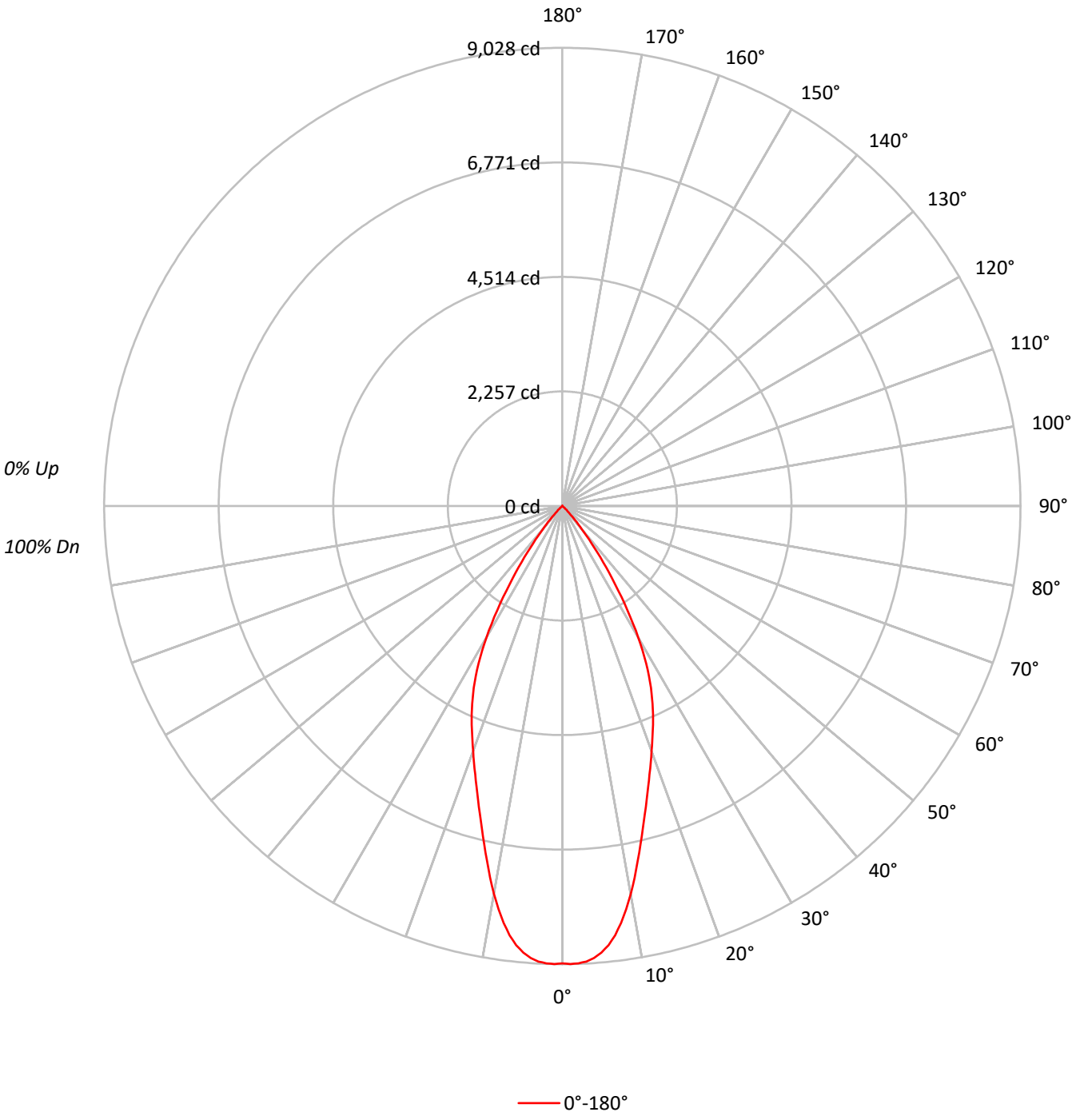
Luminous Intensity Polar Plot



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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°	277854
5°	273415
10°	242922
15°	200388
20°	168766
25°	142347
30°	106582
35°	60317
40°	23850
45°	6402
50°	1228
55°	0
60°	179
65°	0
70°	0
75°	0
80°	0
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	808.9	14.3
10°-20°	1758.1	31.2
20°-30°	1887.4	33.5
30°-40°	1020.1	18.1
40°-50°	159.2	2.8
50°-60°	4.4	0.1
60°-70°	1.1	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°	4454.3	79.0
0°-40°	5474.4	97.1
0°-60°	5638.0	100.0
0°-90°	5639.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5639.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9011	
5°	8833	809
15°	6277	1758
25°	4184	1887
35°	1602	1020
45°	147	159
55°	0	4
65°	0	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	9010.6
1°	9027.7
2°	9019.2
3°	8988.3
4°	8929.0
5°	8832.9
6°	8700.5
7°	8522.5
8°	8299.7
9°	8043.3
10°	7758.1
11°	7459.0
12°	7148.7
13°	6838.6
14°	6550.6
15°	6277.0
16°	6025.9
17°	5783.3
18°	5557.6
19°	5346.2
20°	5142.9
21°	4945.4
22°	4759.1
23°	4573.2
24°	4378.5
25°	4183.7
26°	3986.1
27°	3760.6
28°	3512.2
29°	3258.6
30°	2993.3
31°	2708.4
32°	2423.2
33°	2141.2
34°	1856.3
35°	1602.3
37.5°	1024.0
40°	592.5
42.5°	316.1
45°	146.8
47.5°	79.2
50°	25.6
52.5°	2.9
55°	0.0
57.5°	2.9

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CANDELA DISTRIBUTION (continued):

	0°
60°	2.9
62.5°	0.0
65°	0.0
67.5°	2.9
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)