

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: P244721

Luminaire Tested: **LSR8B50D010 EC8B50950 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244721
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-44)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B50D010 EC8B50950 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4938.0 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

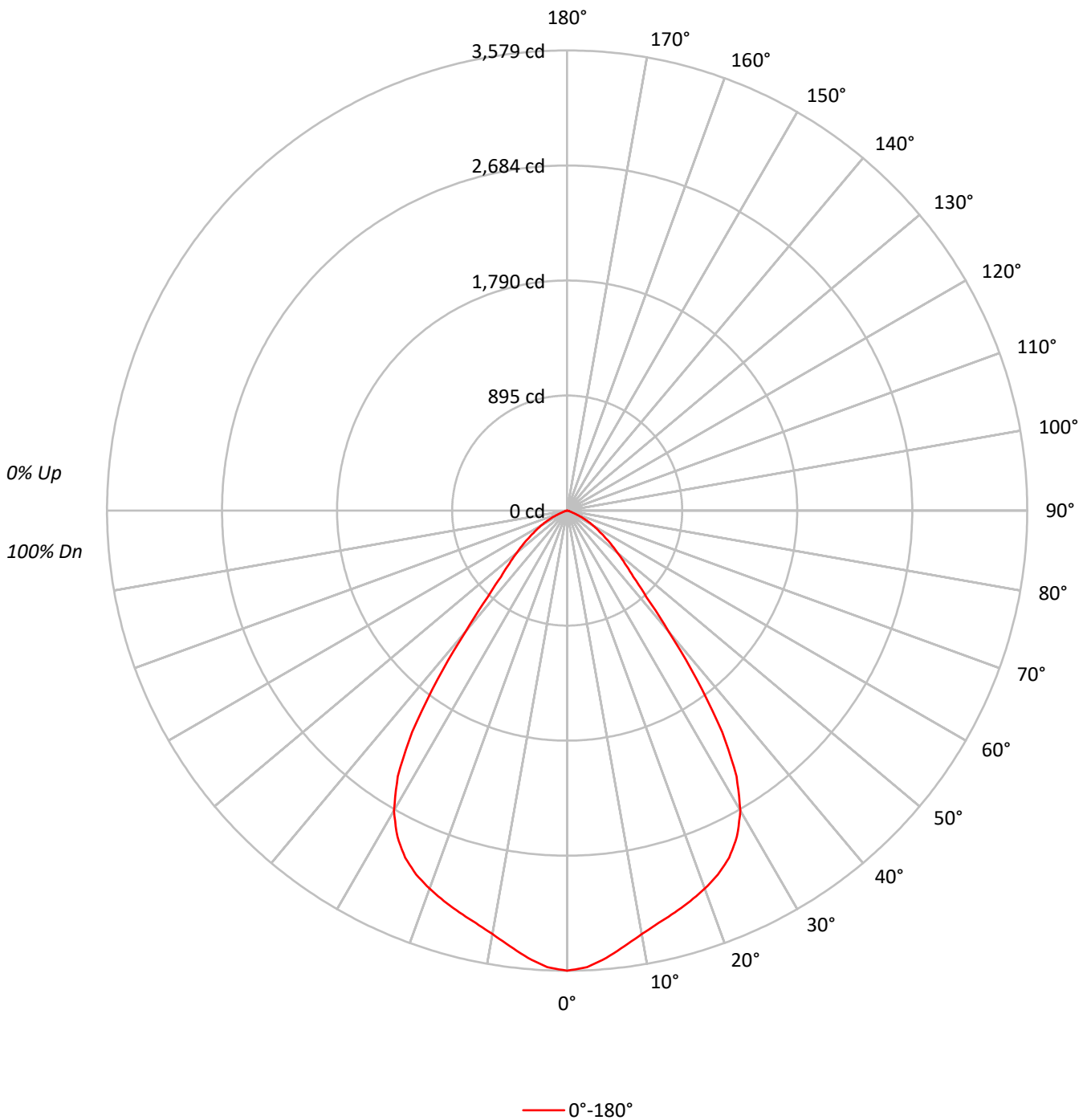
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	65	54	47	42	63	53	47	42	52	46	42	51	46	42	51	46	42	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	110351
5°	108132
10°	104707
15°	103297
20°	102679
25°	101382
30°	95932
35°	79124
40°	49404
45°	31769
50°	24639
55°	18967
60°	14370
65°	9340
70°	3994
75°	1954
80°	870
85°	566



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.6	6.7
10°-20°	914.1	18.5
20°-30°	1361.6	27.6
30°-40°	1264.5	25.6
40°-50°	597.2	12.1
50°-60°	320.9	6.5
60°-70°	128.8	2.6
70°-80°	20.2	0.4
80°-90°	2.0	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°	2604.3	52.7
0°-40°	3868.8	78.3
0°-60°	4786.9	96.9
0°-90°	4938.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4938.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3579	
5°	3493	329
15°	3236	914
25°	2980	1362
35°	2102	1264
45°	728	597
55°	353	321
65°	128	129
75°	16	20
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3578.6
2.5°	3554.0
5°	3493.3
7.5°	3416.2
10°	3344.0
12.5°	3284.9
15°	3235.7
17.5°	3184.8
20°	3129.0
22.5°	3065.0
25°	2979.7
27.5°	2859.9
30°	2694.2
32.5°	2451.4
35°	2101.9
37.5°	1655.6
40°	1227.3
42.5°	913.9
45°	728.5
47.5°	608.7
50°	513.6
52.5°	428.3
55°	352.8
57.5°	287.1
60°	233.0
62.5°	182.1
65°	128.0
67.5°	75.5
70°	44.3
72.5°	26.3
75°	16.4
77.5°	9.8
80°	4.9
82.5°	3.3
85°	1.6
87.5°	0.0
90°	0.0

(END OF REPORT)