

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: P244907

Luminaire Tested: **LSR8B50D010 EC8B50850 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244907
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-14)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B50D010 EC8B50850 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5994.0 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

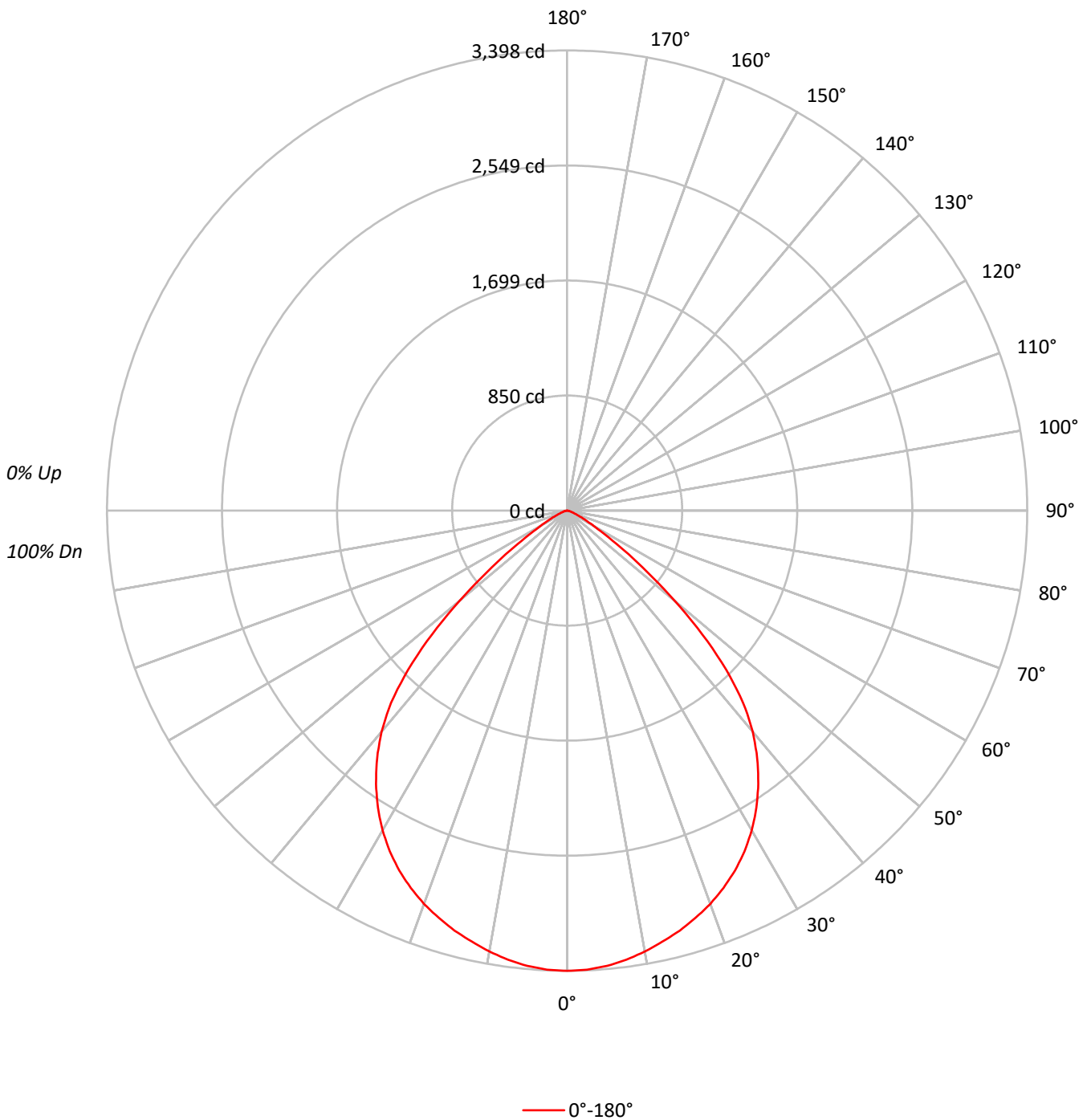
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	74	67	62	83	73	67	61	71	65	61	70	64	60	68	63	60	58
6	79	68	61	55	77	67	60	55	66	59	55	64	58	54	63	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	54	48	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	104797
5°	104473
10°	103536
15°	102508
20°	101406
25°	99806
30°	97064
35°	92642
40°	85858
45°	72491
50°	49733
55°	27429
60°	13790
65°	7763
70°	4228
75°	3002
80°	1918
85°	1274



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.9	5.3
10°-20°	905.6	15.1
20°-30°	1348.3	22.5
30°-40°	1531.5	25.6
40°-50°	1251.9	20.9
50°-60°	490.6	8.2
60°-70°	114.3	1.9
70°-80°	27.5	0.5
80°-90°	4.4	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°	2573.8	42.9
0°-40°	4105.3	68.5
0°-60°	5847.7	97.6
0°-90°	5994.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5994.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3398	
5°	3375	320
15°	3211	906
25°	2933	1348
35°	2461	1532
45°	1662	1252
55°	510	491
65°	106	114
75°	25	28
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3398.5
2.5°	3393.1
5°	3375.1
7.5°	3344.4
10°	3306.6
12.5°	3259.7
15°	3211.0
17.5°	3153.3
20°	3090.2
22.5°	3016.3
25°	2933.4
27.5°	2836.0
30°	2726.0
32.5°	2601.6
35°	2461.0
37.5°	2305.9
40°	2132.9
42.5°	1923.7
45°	1662.3
47.5°	1355.8
50°	1036.7
52.5°	744.6
55°	510.2
57.5°	333.5
60°	223.6
62.5°	153.2
65°	106.4
67.5°	70.3
70°	46.9
72.5°	32.5
75°	25.2
77.5°	18.0
80°	10.8
82.5°	5.4
85°	3.6
87.5°	1.8
90°	0.0

(END OF REPORT)