

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: P244931

Luminaire Tested: **LSR8B50D010 EC8B50940 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244931
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 EC8B50940 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5271.0 lumens
Efficiency: N/A
Efficacy: 99.5 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

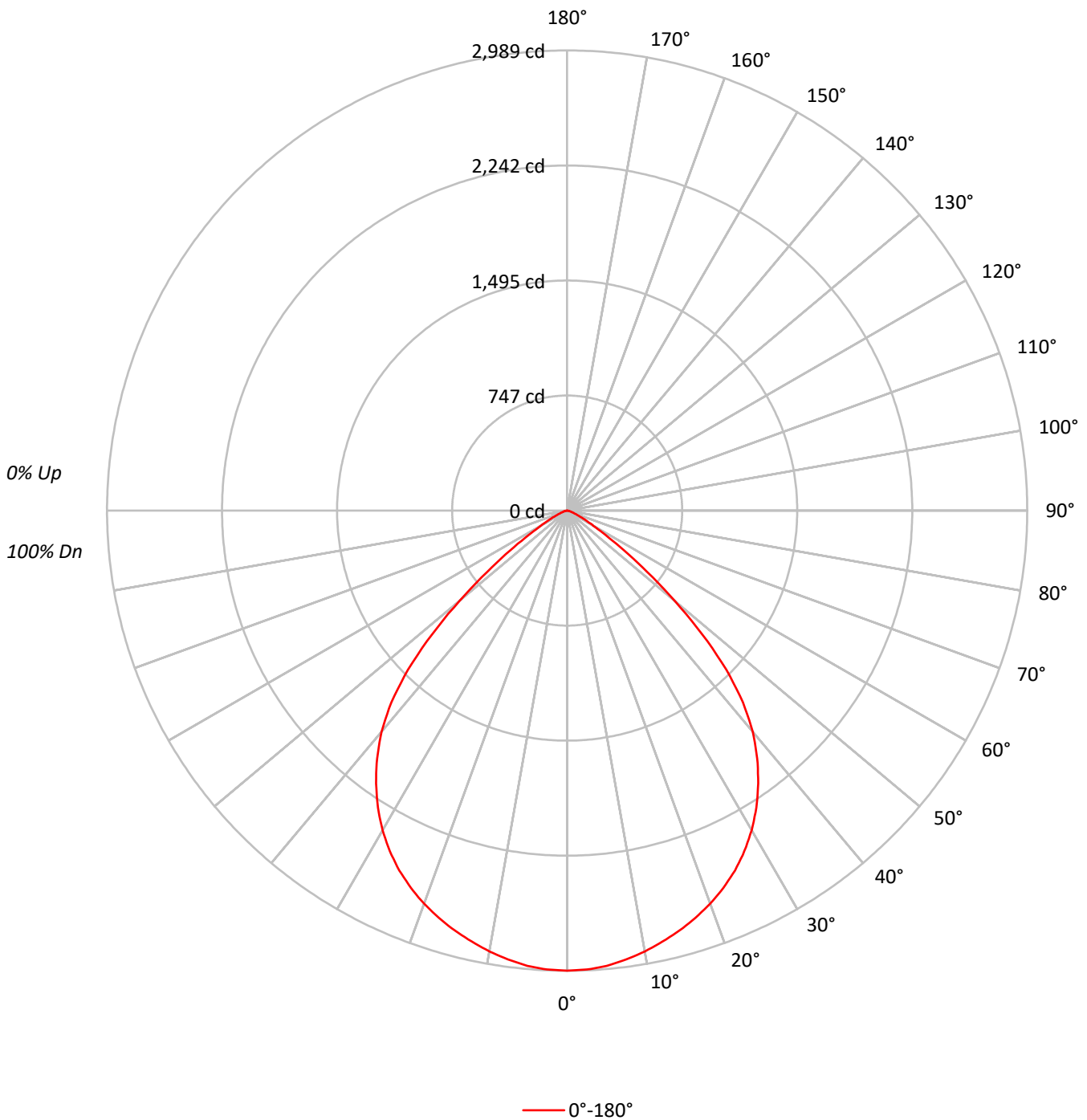
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	92157
5°	91872
10°	91046
15°	90144
20°	89176
25°	87765
30°	85356
35°	81466
40°	75500
45°	63748
50°	43732
55°	24123
60°	12125
65°	6822
70°	3715
75°	2645
80°	1687
85°	1132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.3	5.3
10°-20°	796.4	15.1
20°-30°	1185.6	22.5
30°-40°	1346.8	25.6
40°-50°	1100.9	20.9
50°-60°	431.4	8.2
60°-70°	100.5	1.9
70°-80°	24.2	0.5
80°-90°	3.9	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°	2263.3	42.9
0°-40°	3610.1	68.5
0°-60°	5142.4	97.6
0°-90°	5271.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5271.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2989	
5°	2968	281
15°	2824	796
25°	2580	1186
35°	2164	1347
45°	1462	1101
55°	449	431
65°	94	101
75°	22	24
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2988.6
2.5°	2983.8
5°	2968.0
7.5°	2941.0
10°	2907.7
12.5°	2866.5
15°	2823.7
17.5°	2773.0
20°	2717.5
22.5°	2652.5
25°	2579.5
27.5°	2493.9
30°	2397.2
32.5°	2287.8
35°	2164.1
37.5°	2027.8
40°	1875.6
42.5°	1691.7
45°	1461.8
47.5°	1192.3
50°	911.6
52.5°	654.8
55°	448.7
57.5°	293.3
60°	196.6
62.5°	134.8
65°	93.5
67.5°	61.8
70°	41.2
72.5°	28.5
75°	22.2
77.5°	15.9
80°	9.5
82.5°	4.8
85°	3.2
87.5°	1.6
90°	0.0

(END OF REPORT)