

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: P244715

Luminaire Tested: **LSR8B50D010 EC8B50940 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244715
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 EC8B50940 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 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: 4770.0 lumens
Efficiency: N/A
Efficacy: 90.0 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

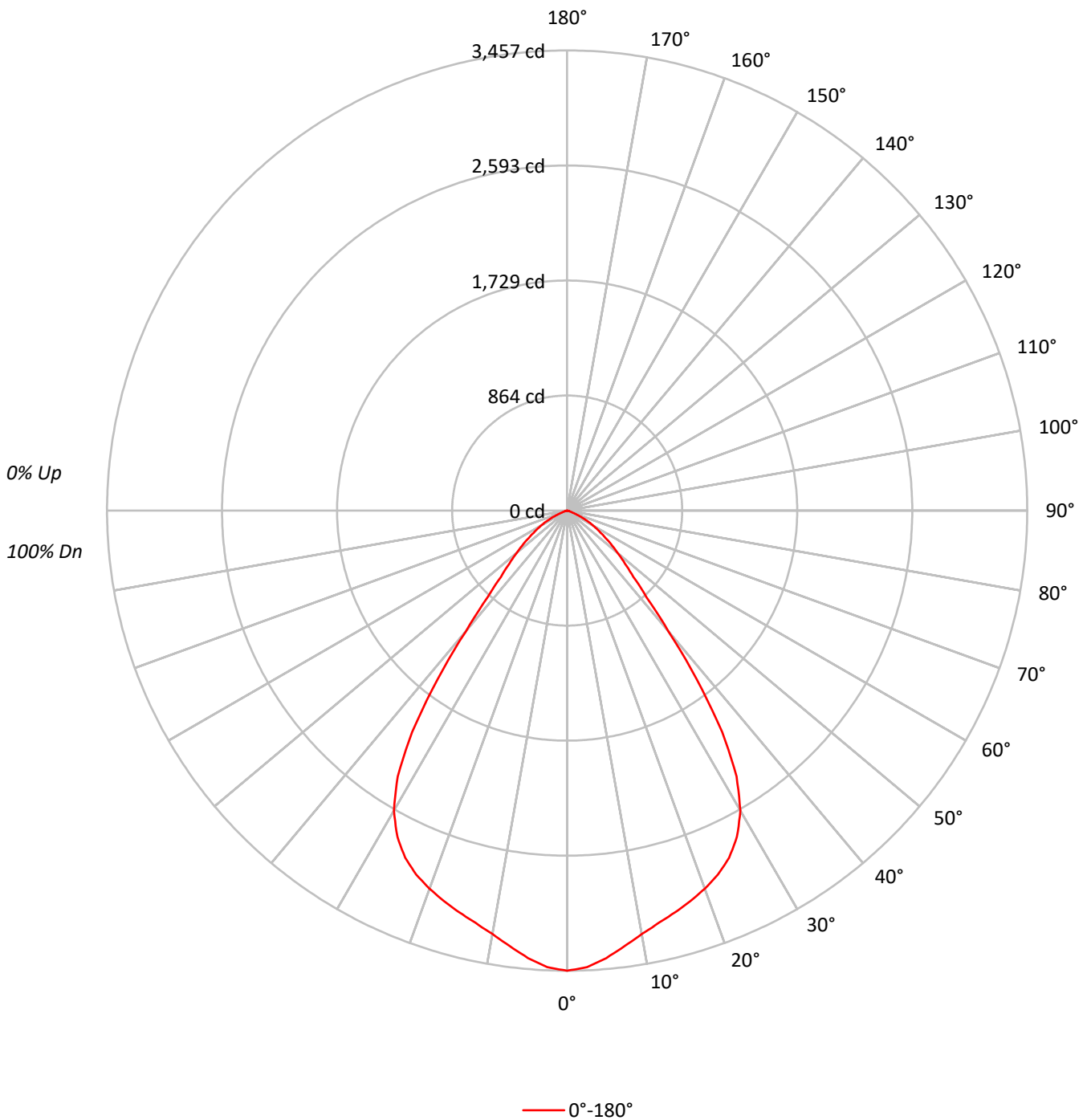
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	106595
5°	104452
10°	101144
15°	99782
20°	99188
25°	97932
30°	92666
35°	76433
40°	47725
45°	30688
50°	23799
55°	18322
60°	13883
65°	9018
70°	3859
75°	1882
80°	852
85°	566



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.4	6.7
10°-20°	883.0	18.5
20°-30°	1315.2	27.6
30°-40°	1221.5	25.6
40°-50°	576.9	12.1
50°-60°	310.0	6.5
60°-70°	124.4	2.6
70°-80°	19.6	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°	2515.7	52.7
0°-40°	3737.1	78.3
0°-60°	4624.0	96.9
0°-90°	4770.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4770.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3457	
5°	3374	317
15°	3126	883
25°	2878	1315
35°	2030	1221
45°	704	577
55°	341	310
65°	124	124
75°	16	20
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3456.8
2.5°	3433.1
5°	3374.4
7.5°	3299.9
10°	3230.2
12.5°	3173.1
15°	3125.6
17.5°	3076.5
20°	3022.6
22.5°	2960.7
25°	2878.3
27.5°	2762.6
30°	2602.5
32.5°	2368.0
35°	2030.4
37.5°	1599.2
40°	1185.6
42.5°	882.8
45°	703.7
47.5°	588.0
50°	496.1
52.5°	413.7
55°	340.8
57.5°	277.4
60°	225.1
62.5°	175.9
65°	123.6
67.5°	72.9
70°	42.8
72.5°	25.4
75°	15.8
77.5°	9.5
80°	4.8
82.5°	3.2
85°	1.6
87.5°	0.0
90°	0.0

(END OF REPORT)