

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: P246539

Luminaire Tested: **LD8B50D010 ER8B50827 8LBW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246539
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-48)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B50D010 ER8B50827 8LBW0MW
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5264.0 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

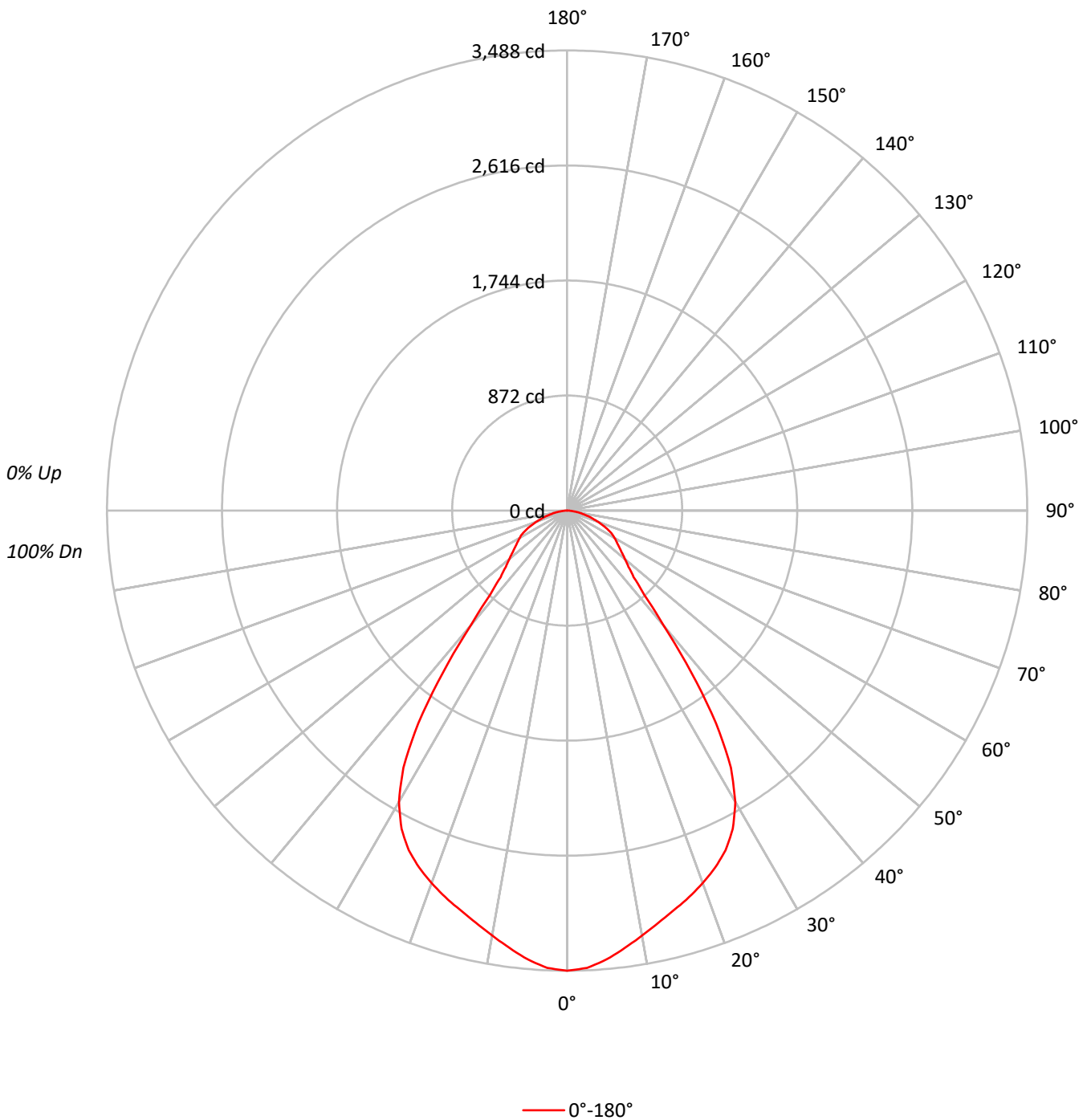
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246539

CATALOG NUMBER: LD8B50D010 ER8B50827 8LBW0MW

Luminous Intensity Polar Plot





TEST NUMBER: P246539

CATALOG NUMBER: LD8B50D010 ER8B50827 8LBW0MW

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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	48	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	107551
5°	105739
10°	102412
15°	100044
20°	98620
25°	96683
30°	90779
35°	74099
40°	45902
45°	31089
50°	27392
55°	25849
60°	25637
65°	24852
70°	22278
75°	19301
80°	16302
85°	12985



TEST NUMBER: P246539

CATALOG NUMBER: LD8B50D010 ER8B50827 8LBW0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.3	6.1
10°-20°	885.1	16.8
20°-30°	1298.0	24.7
30°-40°	1186.5	22.5
40°-50°	587.4	11.2
50°-60°	434.4	8.3
60°-70°	333.9	6.3
70°-80°	174.0	3.3
80°-90°	43.4	0.8
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°	2504.4	47.6
0°-40°	3690.9	70.1
0°-60°	4712.7	89.5
0°-90°	5264.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5264.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3488	
5°	3416	321
15°	3134	885
25°	2842	1298
35°	1968	1186
45°	713	587
55°	481	434
65°	341	334
75°	162	174
85°	37	43
90°	0	



TEST NUMBER: P246539

CATALOG NUMBER: LD8B50D010 ER8B50827 8LBW0MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3487.8
2.5°	3469.4
5°	3416.0
7.5°	3344.2
10°	3270.7
12.5°	3198.9
15°	3133.8
17.5°	3072.0
20°	3005.3
22.5°	2930.1
25°	2841.6
27.5°	2719.8
30°	2549.5
32.5°	2310.7
35°	1968.4
37.5°	1544.4
40°	1140.3
42.5°	863.2
45°	712.9
47.5°	631.1
50°	571.0
52.5°	522.6
55°	480.8
57.5°	445.8
60°	415.7
62.5°	384.0
65°	340.6
67.5°	293.8
70°	247.1
72.5°	203.7
75°	162.0
77.5°	125.2
80°	91.8
82.5°	63.4
85°	36.7
87.5°	13.4
90°	0.0

(END OF REPORT)