

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: P244679

Luminaire Tested: **LD8B50D010 ER8B50835 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244679
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: LD8B50D010 ER8B50835 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5355.0 lumens
Efficiency: N/A
Efficacy: 101.0 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

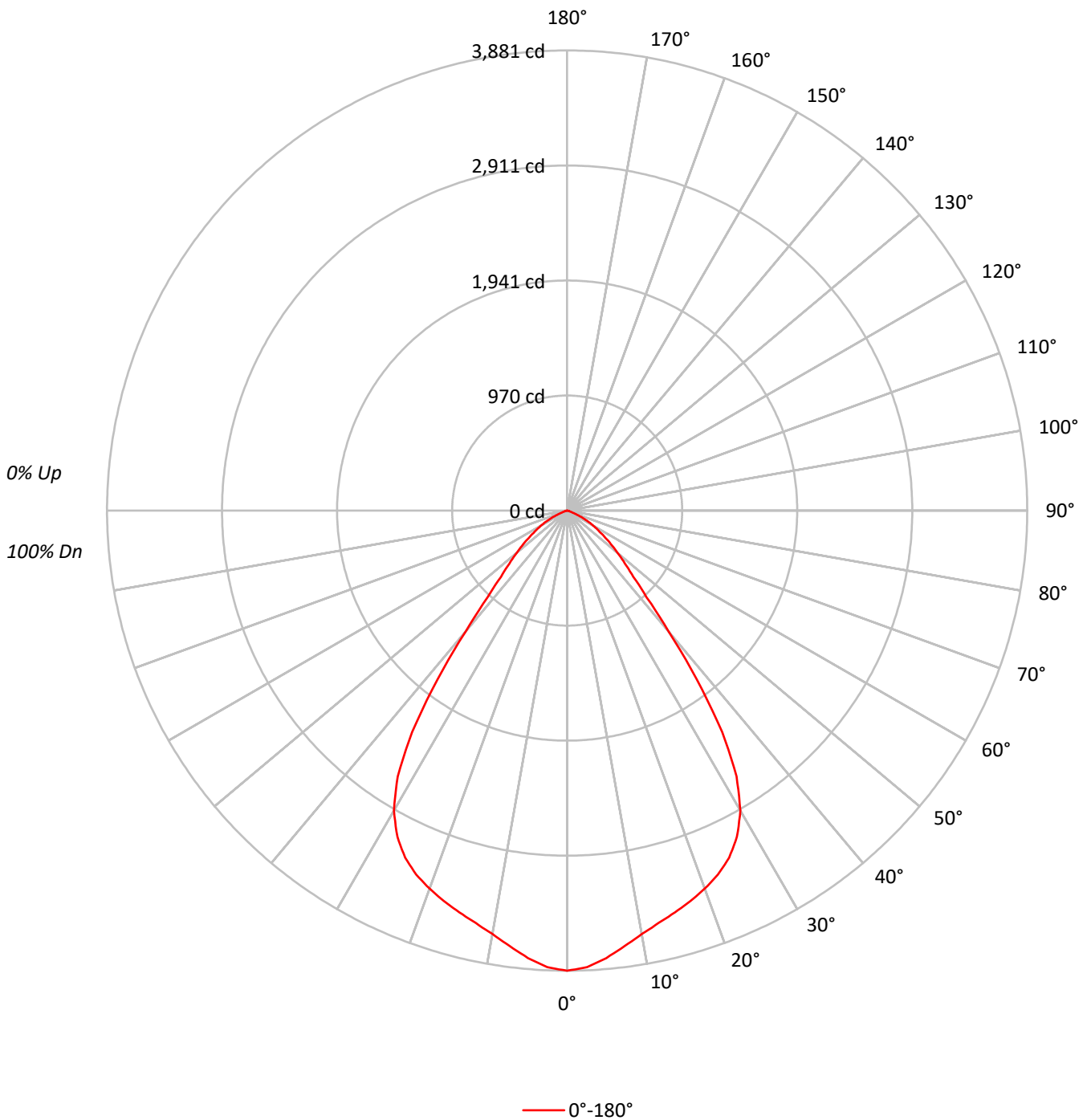
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244679

CATALOG NUMBER: LD8B50D010 ER8B50835 8LBW0WMH

Luminous Intensity Polar Plot





TEST NUMBER: P244679

CATALOG NUMBER: LD8B50D010 ER8B50835 8LBW0WMH

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°	119670
5°	117263
10°	113550
15°	112018
20°	111352
25°	109942
30°	104032
35°	85806
40°	53578
45°	34451
50°	26716
55°	20569
60°	15585
65°	10128
70°	4328
75°	2121
80°	941
85°	637



TEST NUMBER: P244679

CATALOG NUMBER: LD8B50D010 ER8B50835 8LBW0WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	356.3	6.7
10°-20°	991.3	18.5
20°-30°	1476.6	27.6
30°-40°	1371.3	25.6
40°-50°	647.7	12.1
50°-60°	348.0	6.5
60°-70°	139.7	2.6
70°-80°	22.0	0.4
80°-90°	2.2	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°	2824.2	52.7
0°-40°	4195.5	78.3
0°-60°	5191.1	96.9
0°-90°	5355.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5355.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3881	
5°	3788	356
15°	3509	991
25°	3231	1477
35°	2279	1371
45°	790	648
55°	383	348
65°	139	140
75°	18	22
85°	2	2
90°	0	



TEST NUMBER: P244679

CATALOG NUMBER: LD8B50D010 ER8B50835 8LBW0WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	3880.8
2.5°	3854.1
5°	3788.3
7.5°	3704.6
10°	3626.4
12.5°	3562.3
15°	3508.9
17.5°	3453.8
20°	3393.3
22.5°	3323.9
25°	3231.3
27.5°	3101.4
30°	2921.7
32.5°	2658.4
35°	2279.4
37.5°	1795.4
40°	1331.0
42.5°	991.1
45°	790.0
47.5°	660.1
50°	556.9
52.5°	464.4
55°	382.6
57.5°	311.4
60°	252.7
62.5°	197.5
65°	138.8
67.5°	81.9
70°	48.0
72.5°	28.5
75°	17.8
77.5°	10.7
80°	5.3
82.5°	3.6
85°	1.8
87.5°	0.0
90°	0.0

(END OF REPORT)