

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: P247762

Luminaire Tested: **LD8B80D010 ER8B80930 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247762
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-88)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B80D010 ER8B80930 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7650.8 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.24
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

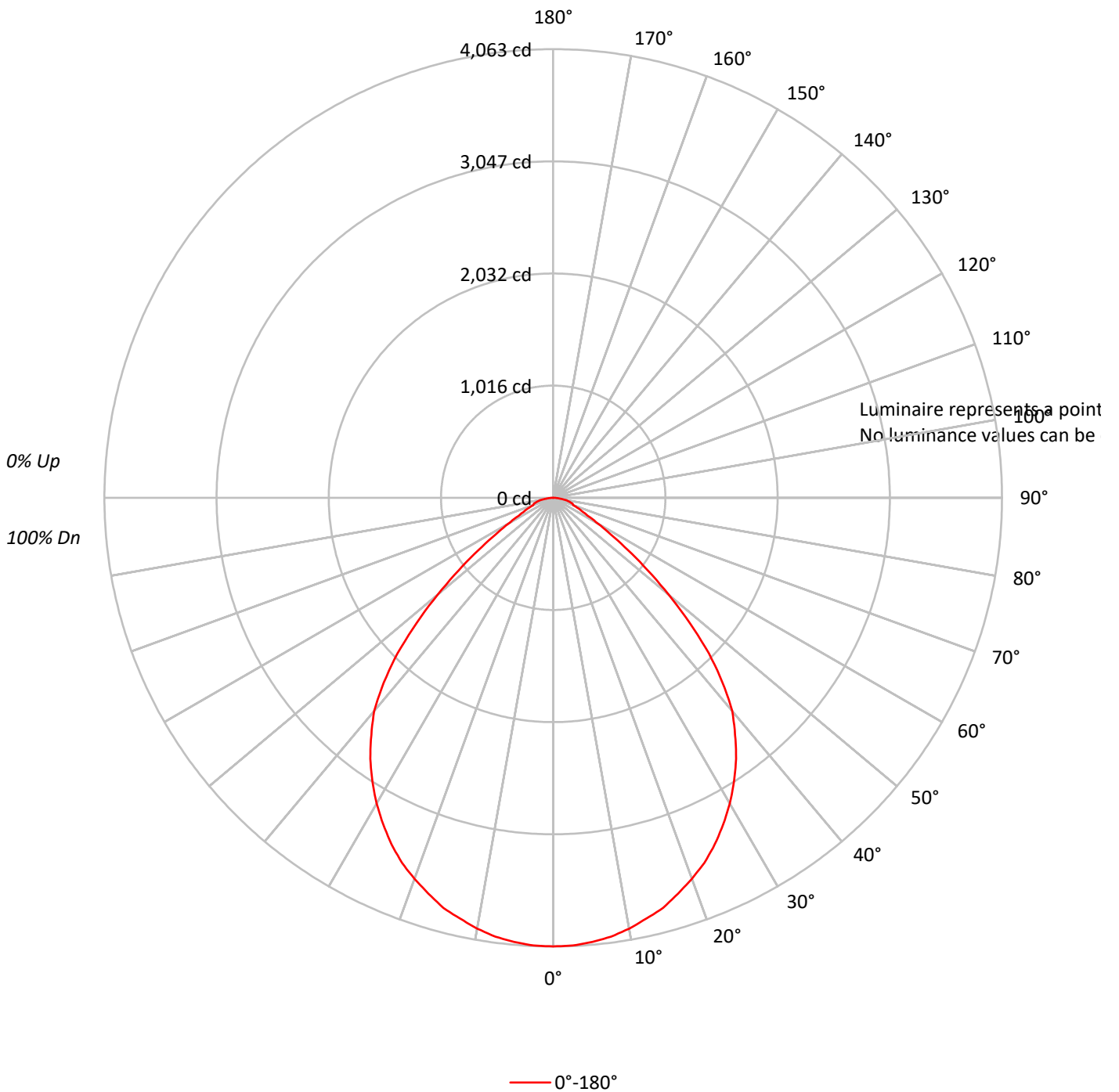
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P247762

CATALOG NUMBER: LD8B80D010 ER8B80930 8LBS0MW

Luminous Intensity Polar Plot





TEST NUMBER: P247762

CATALOG NUMBER: LD8B80D010 ER8B80930 8LBS0MW

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	108	104	101	109	105	102	100	101	99	96	97	95	94	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	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	57	55
6	77	66	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37
10	60	47	40	36	58	47	40	35	46	40	35	45	39	35	44	39	35	33

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P247762

CATALOG NUMBER: LD8B80D010 ER8B80930 8LBS0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.1	5.0
10°-20°	1081.5	14.1
20°-30°	1591.1	20.8
30°-40°	1797.2	23.5
40°-50°	1513.6	19.8
50°-60°	763.6	10.0
60°-70°	299.2	3.9
70°-80°	168.9	2.2
80°-90°	52.6	0.7
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°	3055.8	39.9
0°-40°	4853.0	63.4
0°-60°	7130.2	93.2
0°-90°	7650.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7650.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4063	
5°	4037	383
15°	3845	1082
25°	3462	1591
35°	2887	1797
45°	1993	1514
55°	824	764
65°	290	299
75°	164	169
85°	47	53
90°	0	



TEST NUMBER: P247762

CATALOG NUMBER: LD8B80D010 ER8B80930 8LBS0MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	4062.6
2.5°	4058.6
5°	4037.1
7.5°	4009.0
10°	3961.1
12.5°	3901.6
15°	3844.7
17.5°	3757.9
20°	3671.3
22.5°	3577.1
25°	3462.3
27.5°	3332.7
30°	3197.3
32.5°	3045.3
35°	2886.8
37.5°	2705.2
40°	2521.0
42.5°	2270.0
45°	1993.4
47.5°	1676.2
50°	1362.5
52.5°	1079.3
55°	824.0
57.5°	620.9
60°	467.3
62.5°	356.7
65°	289.9
67.5°	236.2
70°	191.6
72.5°	185.0
75°	164.3
77.5°	137.1
80°	115.6
82.5°	73.5
85°	47.1
87.5°	14.9
90°	0.0

(END OF REPORT)