

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: P246673

Luminaire Tested: **LD8B15D010 ER8B15930 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246673
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201839)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B15D010 ER8B15930 8LBN0MW
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1192.8 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

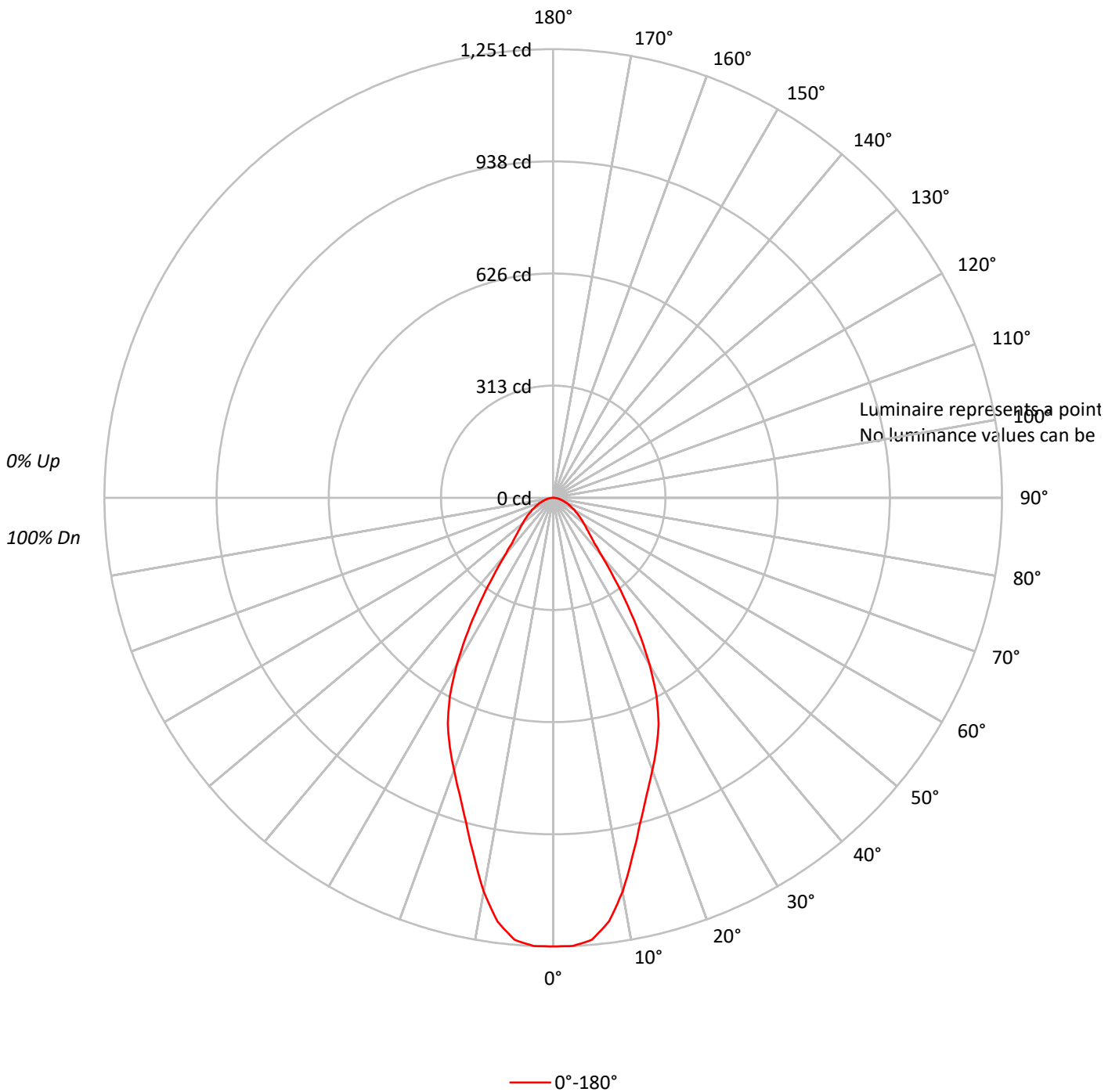
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246673

CATALOG NUMBER: LD8B15D010 ER8B15930 8LBN0MW

Luminous Intensity Polar Plot





TEST NUMBER: P246673

CATALOG NUMBER: LD8B15D010 ER8B15930 8LBN0MW

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	109	106	104	101	102	100	98		98	97	95		95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	83	76	72	80	75	71		78	74	70		76	72	69	67
5	87	78	71	66	85	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	67	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	52	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		54	48	45		53	48	45	43

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P246673

CATALOG NUMBER: LD8B15D010 ER8B15930 8LBN0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.1	9.6
10°-20°	263.9	22.1
20°-30°	313.8	26.3
30°-40°	221.9	18.6
40°-50°	114.6	9.6
50°-60°	78.6	6.6
60°-70°	51.0	4.3
70°-80°	26.8	2.2
80°-90°	8.2	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°	691.9	58.0
0°-40°	913.8	76.6
0°-60°	1106.9	92.8
0°-90°	1192.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1192.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1251	
5°	1237	114
15°	937	264
25°	695	314
35°	352	222
45°	143	115
55°	87	79
65°	51	51
75°	25	27
85°	7	8
90°	0	1
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	0



TEST NUMBER: P246673

CATALOG NUMBER: LD8B15D010 ER8B15930 8LBN0MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1250.8
2.5°	1250.8
5°	1237.1
7.5°	1191.6
10°	1114.5
12.5°	1022.5
15°	936.9
17.5°	866.6
20°	807.8
22.5°	752.2
25°	695.2
27.5°	623.7
30°	536.5
32.5°	442.7
35°	352.1
37.5°	271.3
40°	209.0
42.5°	168.2
45°	143.3
47.5°	125.2
50°	111.2
52.5°	98.9
55°	87.0
57.5°	76.5
60°	67.8
62.5°	58.7
65°	51.2
67.5°	44.4
70°	35.8
72.5°	30.7
75°	24.9
77.5°	20.2
80°	15.6
82.5°	11.5
85°	6.8
87.5°	3.9
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0



TEST NUMBER: P246673

CATALOG NUMBER: LD8B15D010 ER8B15930 8LBN0MW

CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)