

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: P245595

Luminaire Tested: **LD8B30D010 ER8B30930 8LBW0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245595  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-46)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B30D010 ER8B30930 8LBW0GPH  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 3000 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2288.0 lumens  
Efficiency: N/A  
Efficacy: 84.4 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

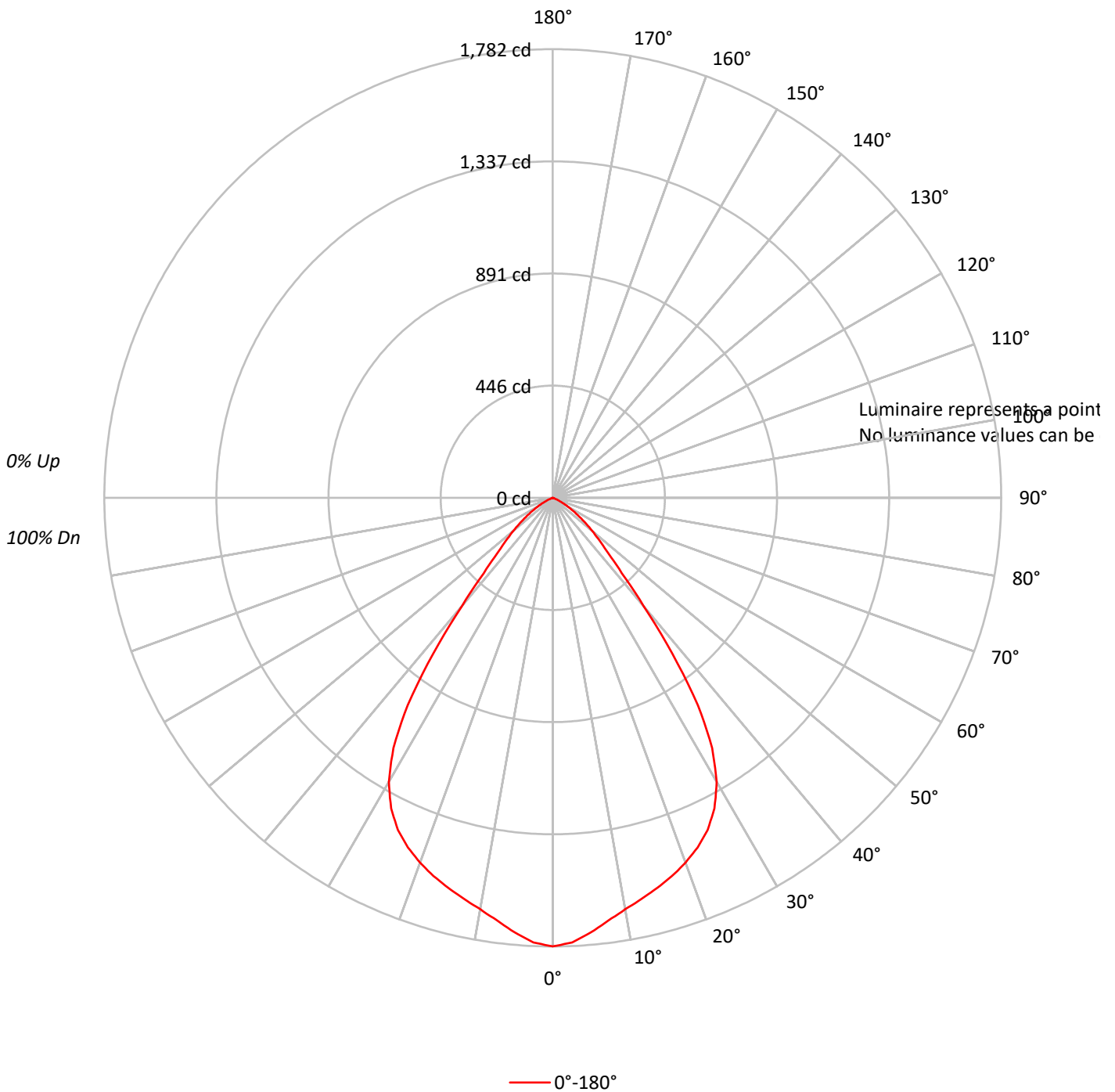
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P245595

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBW0GPH

### Luminous Intensity Polar Plot





TEST NUMBER: P245595

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBW0GPH

**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	113	110	107	104	110	108	105	103	103	101	100	100	98	97	96	95	94	92
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86	84
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70
5	88	79	72	67	87	78	72	67	76	71	66	74	70	66	73	69	65	64
6	83	73	66	61	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56	65	59	56	63	59	55	54
8	74	63	56	52	73	63	56	52	61	56	51	60	55	51	59	55	51	49
9	70	59	52	48	69	58	52	48	57	52	48	57	51	47	56	51	47	46
10	66	55	49	44	65	55	49	44	54	48	44	53	48	44	52	47	44	43

**AVERAGE LUMINANCE (cd/sqm):**





TEST NUMBER: P245595

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBW0GPH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.0	7.1
10°-20°	452.6	19.8
20°-30°	664.7	29.1
30°-40°	602.6	26.3
40°-50°	258.0	11.3
50°-60°	114.1	5.0
60°-70°	30.4	1.3
70°-80°	2.4	0.1
80°-90°	0.1	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°	1280.4	56.0
0°-40°	1882.9	82.3
0°-60°	2255.0	98.6
0°-90°	2288.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2288.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1782	
5°	1733	163
15°	1604	453
25°	1455	665
35°	1006	603
45°	311	258
55°	124	114
65°	28	30
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P245595

CATALOG NUMBER: LD8B30D010 ER8B30930 8LBW0GPH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1781.5
2.5°	1767.5
5°	1732.8
7.5°	1693.2
10°	1659.3
12.5°	1631.2
15°	1603.9
17.5°	1575.0
20°	1542.0
22.5°	1503.1
25°	1455.3
27.5°	1390.8
30°	1302.5
32.5°	1178.6
35°	1006.0
37.5°	779.7
40°	561.6
42.5°	405.6
45°	311.4
47.5°	251.1
50°	204.0
52.5°	161.9
55°	123.9
57.5°	92.5
60°	67.7
62.5°	47.1
65°	28.1
67.5°	12.4
70°	5.8
72.5°	3.3
75°	1.7
77.5°	0.8
80°	0.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)