

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: P244461

Luminaire Tested: **LD8B30D010 ER8B30835 8LBS0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244461  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-13)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B30D010 ER8B30835 8LBS0H  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3391.0 lumens  
Efficiency: N/A  
Efficacy: 125.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.23  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

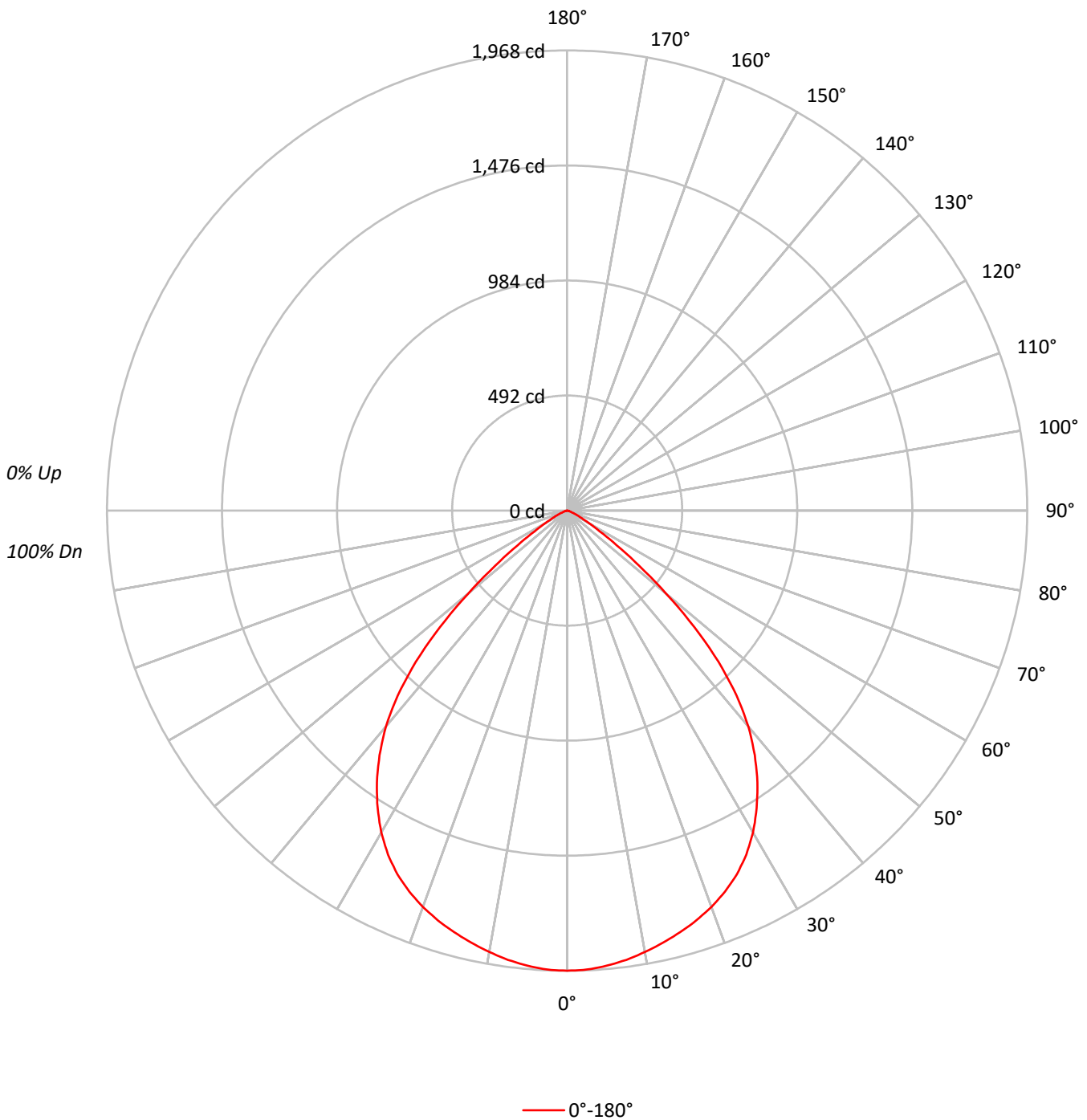
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P244461

CATALOG NUMBER: LD8B30D010 ER8B30835 8LBS0H

### Luminous Intensity Polar Plot





TEST NUMBER: P244461

CATALOG NUMBER: LD8B30D010 ER8B30835 8LBSOH

**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	110	107	104	102	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69	76	72	68	74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62	70	65	61	69	64	60	59
6	80	69	61	56	78	68	61	56	66	60	56	65	59	55	63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	51	45	42	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°	60683
5°	60481
10°	60022
15°	59599
20°	59196
25°	58416
30°	56611
35°	53413
40°	48542
45°	39942
50°	26625
55°	13870
60°	6537
65°	3429
70°	1713
75°	1191
80°	888
85°	708



TEST NUMBER: P244461

CATALOG NUMBER: LD8B30D010 ER8B30835 8LBSOH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.3	5.5
10°-20°	526.9	15.5
20°-30°	788.2	23.2
30°-40°	881.6	26.0
40°-50°	691.7	20.4
50°-60°	252.4	7.4
60°-70°	51.5	1.5
70°-80°	11.1	0.3
80°-90°	2.3	0.1
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°	1500.5	44.2
0°-40°	2382.1	70.2
0°-60°	3326.2	98.1
0°-90°	3391.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3391.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1968	
5°	1954	185
15°	1867	527
25°	1717	788
35°	1419	882
45°	916	692
55°	258	252
65°	47	51
75°	10	11
85°	2	2
90°	0	



TEST NUMBER: P244461

CATALOG NUMBER: LD8B30D010 ER8B30835 8LBS0H

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1967.9
2.5°	1964.9
5°	1953.9
7.5°	1937.9
10°	1916.9
12.5°	1892.9
15°	1866.9
17.5°	1837.9
20°	1803.9
22.5°	1763.9
25°	1716.9
27.5°	1658.9
30°	1589.9
32.5°	1508.9
35°	1418.9
37.5°	1317.9
40°	1205.9
42.5°	1072.9
45°	915.9
47.5°	739.0
50°	555.0
52.5°	389.0
55°	258.0
57.5°	165.0
60°	106.0
62.5°	70.0
65°	47.0
67.5°	30.0
70°	19.0
72.5°	13.0
75°	10.0
77.5°	7.0
80°	5.0
82.5°	3.0
85°	2.0
87.5°	1.0
90°	0.0

(END OF REPORT)