

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: P244347

Luminaire Tested: **LD8B30D010 ER8B30935 8LBN0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244347  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27944)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B30D010 ER8B30935 8LBN0H  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2389.0 lumens  
Efficiency: N/A  
Efficacy: 88.2 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.79  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

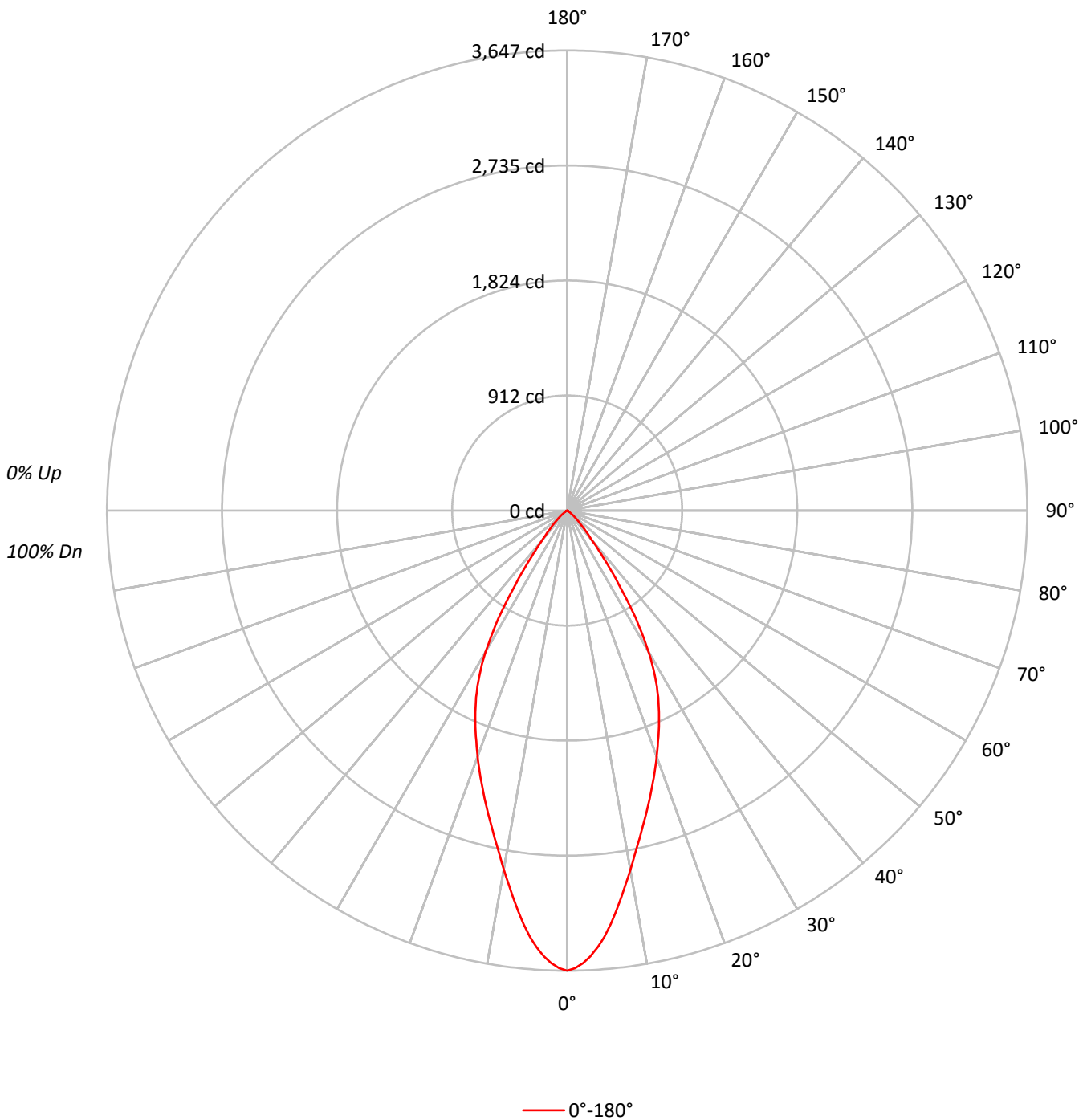
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	80	78	76
5	93	85	79	75	92	84	79	75	82	78	74	81	77	74	79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	69	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58	65	61	58	64	60	57	56
10	74	64	59	55	73	64	58	55	63	58	55	62	58	54	61	57	54	53

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

	0°
0°	112454
5°	104891
10°	90417
15°	78249
20°	68069
25°	58498
30°	45965
35°	26818
40°	12374
45°	6402
50°	3214
55°	1559
60°	796
65°	474
70°	216
75°	191
80°	142
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	306.7	12.8
10°-20°	685.3	28.7
20°-30°	779.2	32.6
30°-40°	457.6	19.2
40°-50°	122.8	5.1
50°-60°	29.1	1.2
60°-70°	6.6	0.3
70°-80°	1.5	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°	1771.2	74.1
0°-40°	2228.8	93.3
0°-60°	2380.8	99.7
0°-90°	2389.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2389.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3647	
5°	3389	307
15°	2451	685
25°	1719	779
35°	712	458
45°	147	123
55°	29	29
65°	6	7
75°	2	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3646.8
1°	3626.7
2°	3589.5
3°	3537.1
4°	3469.3
5°	3388.6
6°	3297.5
7°	3194.2
8°	3090.9
9°	2986.9
10°	2887.6
11°	2790.8
12°	2699.6
13°	2614.9
14°	2530.2
15°	2451.1
16°	2373.7
17°	2297.0
18°	2222.8
19°	2147.8
20°	2074.3
21°	2000.9
22°	1930.7
23°	1861.3
24°	1790.3
25°	1719.3
26°	1645.9
27°	1566.0
28°	1482.1
29°	1390.2
30°	1290.9
32.5°	1012.6
35°	712.4
37.5°	469.6
40°	307.4
42.5°	212.2
45°	146.8
47.5°	100.9
50°	67.0
52.5°	43.6
55°	29.0
57.5°	19.4
60°	12.9
62.5°	8.9
65°	6.5



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	4.0
70°	2.4
72.5°	1.6
75°	1.6
77.5°	0.8
80°	0.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)