

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: P244299

Luminaire Tested: **LD8B30D010 ER8B30930 8LBW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244299  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B30D010 ER8B30930 8LBW0H  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2560.4 lumens  
Efficiency: N/A  
Efficacy: 94.5 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

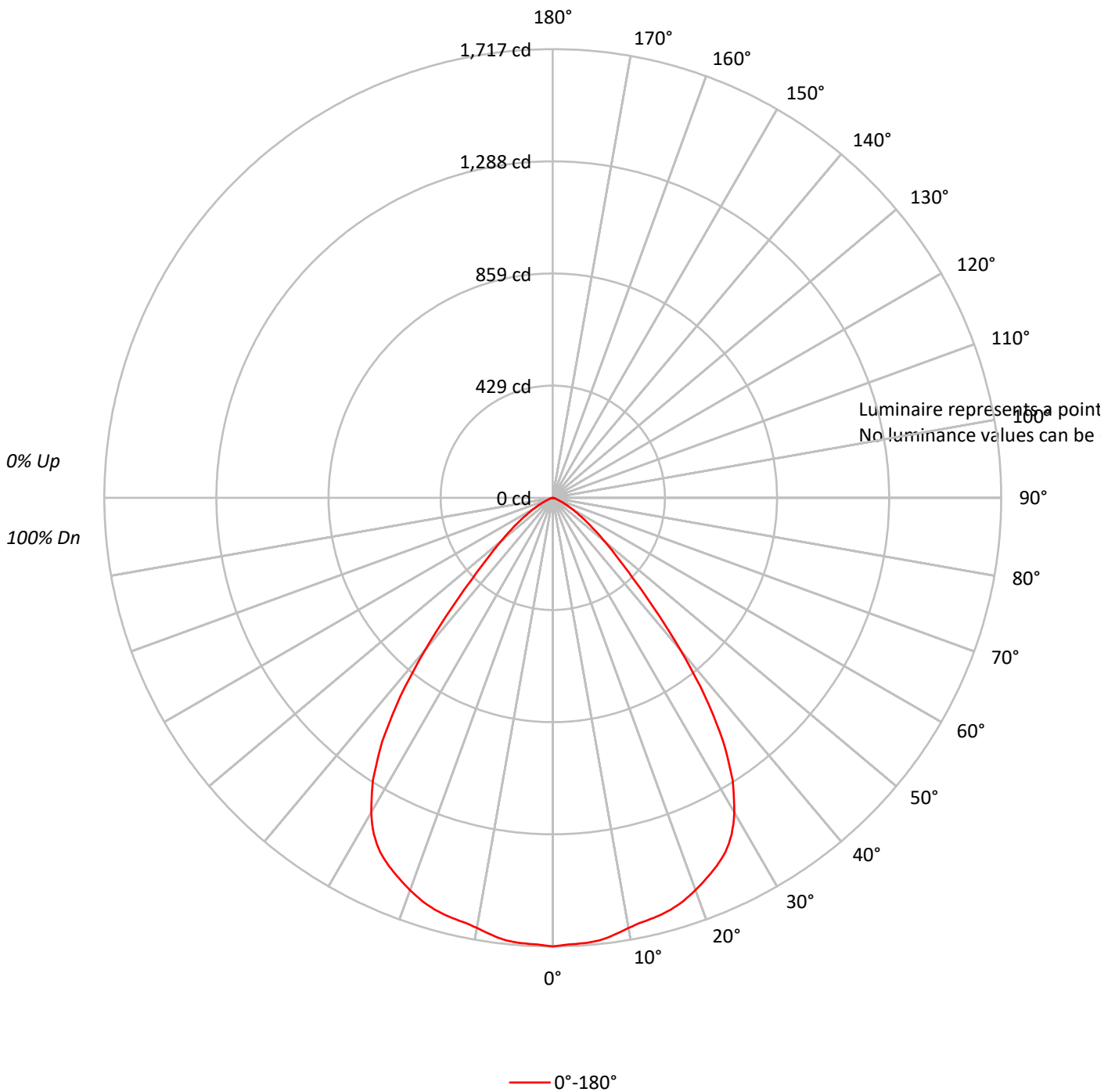
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	71	77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.8	6.3
10°-20°	464.2	18.1
20°-30°	698.6	27.3
30°-40°	691.6	27.0
40°-50°	351.4	13.7
50°-60°	141.6	5.5
60°-70°	42.9	1.7
70°-80°	7.4	0.3
80°-90°	0.9	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°	1324.5	51.7
0°-40°	2016.2	78.7
0°-60°	2509.2	98.0
0°-90°	2560.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2560.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1717	
5°	1706	162
15°	1646	464
25°	1526	699
35°	1138	692
45°	431	351
55°	152	142
65°	39	43
75°	6	7
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1716.8
1°	1713.1
2°	1710.2
3°	1709.4
4°	1708.7
5°	1706.5
6°	1703.5
7°	1697.5
8°	1688.7
9°	1680.6
10°	1671.6
11°	1664.2
12°	1659.1
13°	1655.4
14°	1651.0
15°	1645.7
16°	1639.1
17°	1630.9
18°	1621.4
19°	1610.3
20°	1597.6
21°	1584.3
22°	1571.1
23°	1557.0
24°	1542.2
25°	1525.9
26°	1508.2
27°	1485.2
28°	1458.5
29°	1426.7
30°	1389.7
32.5°	1281.8
35°	1138.2
37.5°	959.0
40°	759.3
42.5°	573.5
45°	430.7
47.5°	329.3
50°	258.3
52.5°	200.5
55°	152.5
57.5°	113.2
60°	85.1
62.5°	60.6
65°	39.2



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	24.4
70°	15.6
72.5°	9.6
75°	5.9
77.5°	3.7
80°	2.2
82.5°	1.5
85°	0.8
87.5°	0.0
90°	0.0

(END OF REPORT)