

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: METALUX

Report Number: P#

Luminaire Tested: **4ILED-LD5-5-W-WG-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34174)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4ILED-LD5-5-W-WG-UNV-L835-CD1-U  
Description: Metalux 4' ILED WITH OPEN WIDE-HEAVY DUTY WIREGUARD DISTRIBUTION

Light Source: (1) 3500 CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

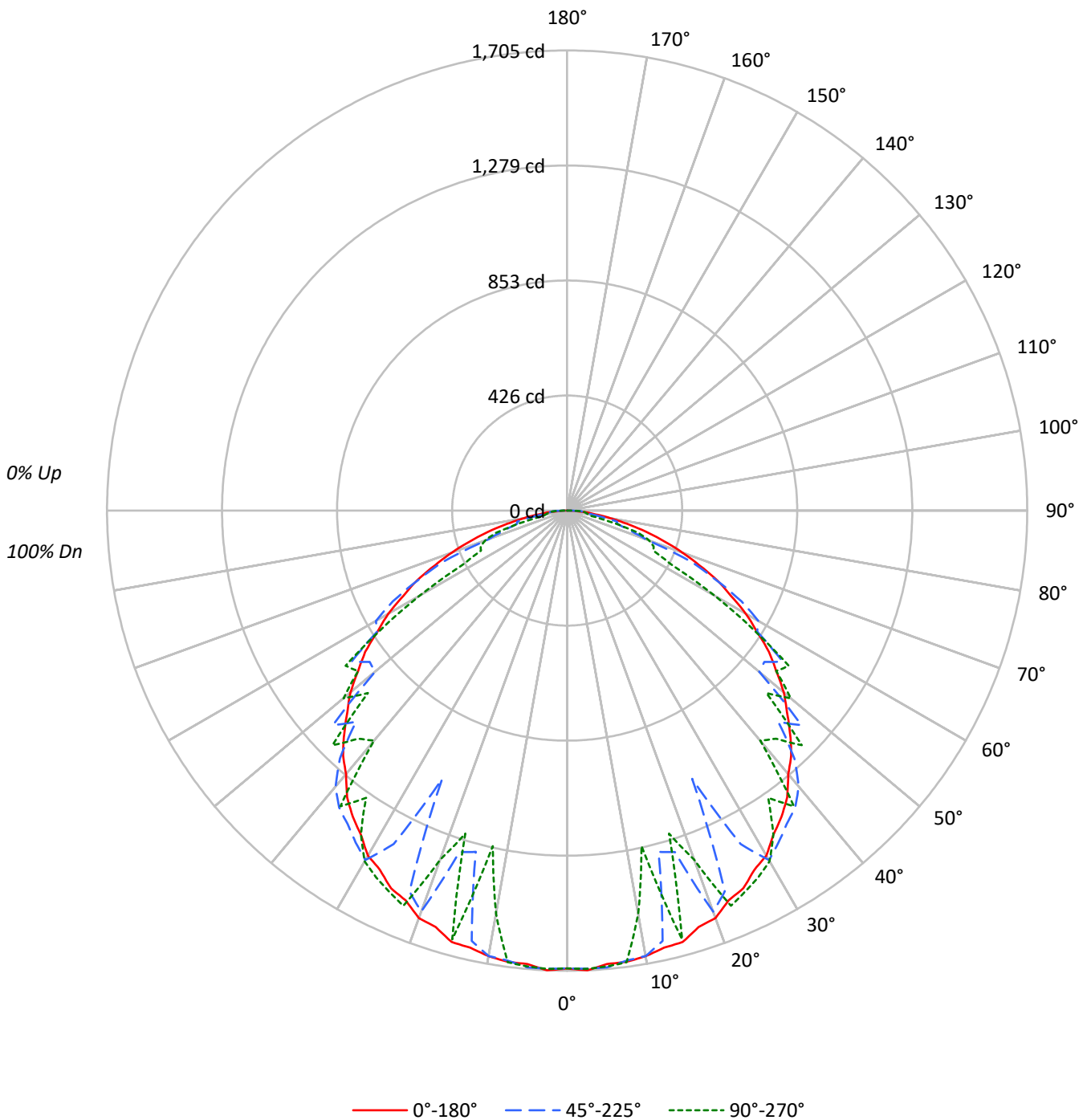
Lumens per Lamp: N/A  
Luminaire Lumens: 4664.0 lumens  
Efficiency: N/A  
Efficacy: 139.2 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 4' x H: 0.1')  
CIE Type: Direct

Input Watts (W): 33.5  
Input Voltage (V):  
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	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	89	87	85
2	99	91	85	79	97	89	83	78	86	81	76	83	78	75	80	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	57	53	51
5	76	63	54	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44
6	70	57	48	42	68	56	48	41	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	36	32	30
9	57	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	24

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

	0°	45°	90°
0°	4979	4979	4979
5°	4960	4965	4949
10°	4976	4913	4438
15°	4995	3880	4856
20°	4973	4775	4138
25°	4945	3401	4805
30°	4931	4806	4784
35°	4877	4765	4325
40°	4784	4739	3906
45°	4732	4196	4603
50°	4648	3812	4373
55°	4514	4393	4439
60°	4306	4126	3123
65°	4062	3518	1983
70°	3637	2098	2133
75°	3133	1613	1464
80°	2427	1331	845
85°	1745	1022	979



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.7	3.4
10°-20°	429.0	9.2
20°-30°	665.2	14.3
30°-40°	852.8	18.3
40°-50°	873.4	18.7
50°-60°	828.2	17.8
60°-70°	530.5	11.4
70°-80°	257.8	5.5
80°-90°	66.6	1.4
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°	1254.9	26.9
0°-40°	2107.7	45.2
0°-60°	3809.2	81.7
0°-90°	4664.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4664.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1696	1696	1696	1696	1696	
5°	1687	1691	1699	1703	1696	161
15°	1655	1655	1309	1540	1644	465
25°	1544	1334	1096	1568	1559	710
35°	1385	1394	1418	1381	1299	865
45°	1168	1170	1106	1114	1230	900
55°	913	942	975	940	1002	811
65°	616	602	609	396	352	604
75°	302	337	192	233	182	319
85°	67	58	63	67	65	76
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1696.2	1696.2	1696.2	1696.2	1696.2
2.5°	1705.0	1706.4	1698.9	1696.2	1699.6
5°	1686.7	1691.4	1698.9	1703.0	1695.5
7.5°	1686.0	1688.0	1681.9	1704.3	1688.0
10°	1676.5	1688.0	1675.8	1616.6	1517.3
12.5°	1658.8	1660.8	1632.9	1176.6	1273.2
15°	1654.7	1654.7	1309.2	1539.7	1644.5
17.5°	1618.0	1626.8	1326.9	1617.3	1254.8
20°	1606.4	1601.0	1581.2	1145.3	1377.2
22.5°	1562.9	1525.5	1526.8	1591.4	1585.3
25°	1544.5	1334.4	1096.3	1568.3	1558.8
27.5°	1501.0	1118.8	1392.8	1534.3	1532.3
30°	1475.8	1163.7	1495.5	1506.4	1500.3
32.5°	1422.8	1335.7	1458.1	1481.3	1422.1
35°	1384.7	1393.5	1418.0	1381.3	1299.0
37.5°	1339.1	1278.6	1387.4	1259.5	1380.6
40°	1274.5	996.3	1335.0	1351.4	1112.6
42.5°	1228.9	975.3	1246.6	1048.7	1146.0
45°	1168.4	1170.5	1106.5	1114.0	1229.6
47.5°	1105.2	1131.0	1177.3	1183.4	1001.1
50°	1048.0	1073.2	929.0	1003.1	1082.0
52.5°	976.6	1012.0	921.5	1035.8	976.6
55°	913.4	941.9	974.6	939.9	1002.5
57.5°	832.4	878.0	834.5	922.9	814.8
60°	765.1	764.4	818.2	822.2	632.5
62.5°	684.2	678.7	727.7	551.6	438.0
65°	616.2	601.9	609.4	395.8	352.3
67.5°	531.2	471.3	501.9	330.5	346.9
70°	452.9	450.2	308.1	229.2	323.0
72.5°	375.4	408.7	242.8	286.3	279.5
75°	302.0	337.3	192.5	233.3	181.6
77.5°	226.5	244.8	189.7	142.8	88.4
80°	163.9	115.6	121.1	80.9	80.9
82.5°	106.1	95.2	70.7	75.5	71.4
85°	66.6	58.5	63.2	66.6	65.3
87.5°	23.1	40.1	50.3	49.0	44.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)