

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-FLWG-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 (P34182)
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-FLWG-UNV-L835-CD1-U
Description: Metalux 4' ILED WITH FROSTED ACRYLIC LENS & FRAME-HEAVY DUTY
WIREGUARD DISTRIBUTION

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3483.0 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.25 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 4' x H: 0.1')
CIE Type: Direct

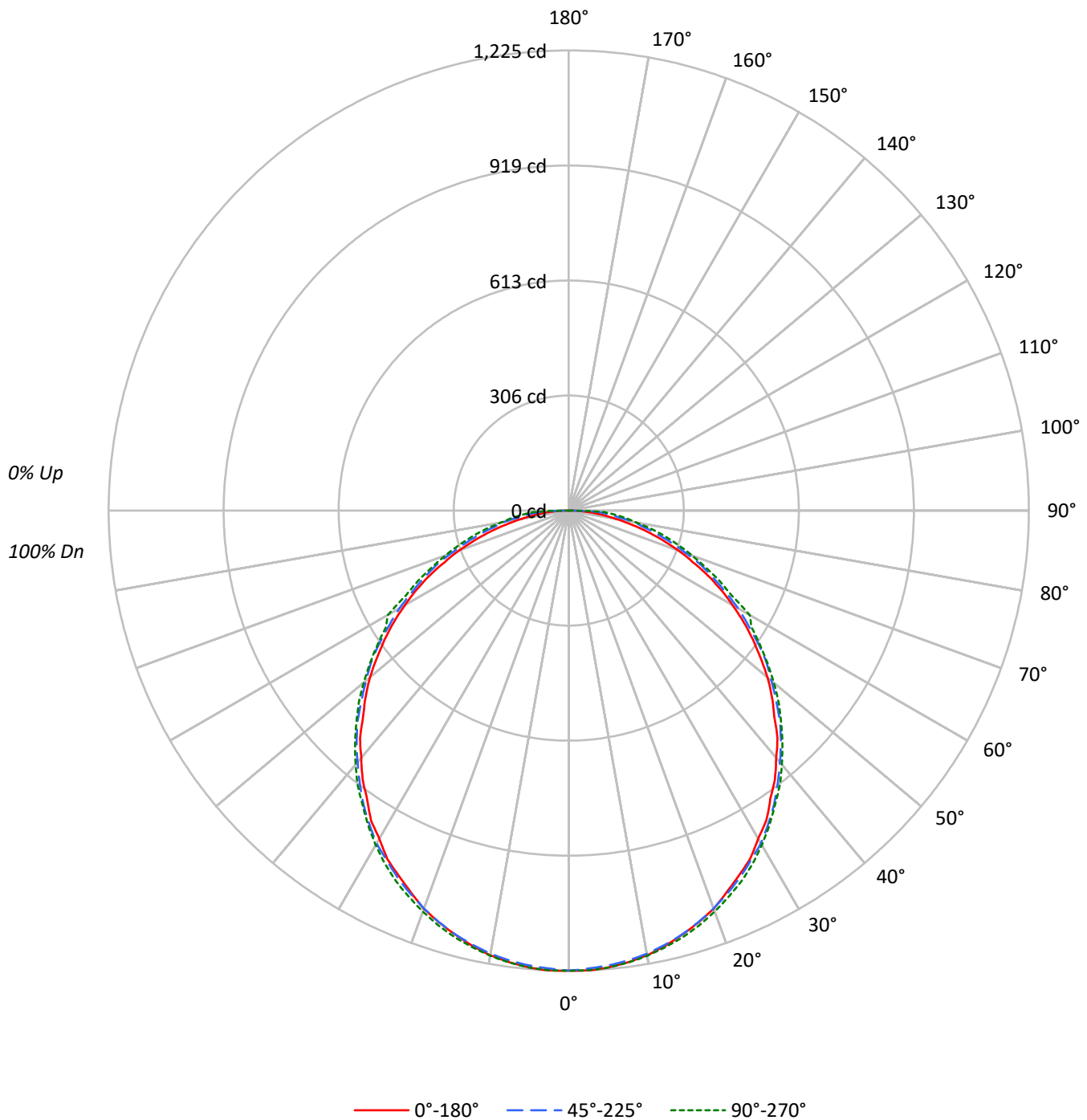
Input Watts (W): 33.5
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	108	103	99	95	105	101	97	93	97	93	90		93	90	87		89
2	98	90	83	77	96	88	81	76	84	79	74		81	76	72		78
3	90	79	70	64	87	77	69	63	74	67	62		71	66	61		69
4	82	70	61	54	80	68	60	54	66	59	53		63	57	52		61
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50
7	65	51	42	36	63	50	42	36	48	41	35		47	40	35		46
8	60	46	38	32	58	46	38	32	44	37	32		43	36	31		42
9	56	43	34	29	55	42	34	29	41	34	28		40	33	28		39
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3596	3596	3596
5°	3590	3552	3563
10°	3568	3512	3520
15°	3528	3462	3470
20°	3492	3404	3413
25°	3432	3343	3355
30°	3369	3288	3279
35°	3297	3204	3186
40°	3225	3105	3099
45°	3134	3015	2994
50°	3064	2890	2879
55°	2955	2771	2749
60°	2835	2621	2749
65°	2696	2453	2490
70°	2495	2275	2303
75°	2246	2054	2138
80°	1900	1932	1905
85°	1540	1642	1812



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.8	3.3
10°-20°	330.3	9.5
20°-30°	497.4	14.3
30°-40°	594.9	17.1
40°-50°	610.9	17.5
50°-60°	548.6	15.8
60°-70°	422.2	12.1
70°-80°	260.2	7.5
80°-90°	102.6	2.9
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°	943.6	27.1
0°-40°	1538.4	44.2
0°-60°	2698.0	77.5
0°-90°	3483.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3483.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1225	1225	1225	1225	1225	
5°	1221	1220	1215	1220	1221	116
15°	1169	1171	1168	1173	1175	330
25°	1072	1073	1078	1086	1088	494
35°	936	950	954	957	957	587
45°	774	786	795	798	800	599
55°	598	606	615	621	621	535
65°	409	413	425	440	442	403
75°	216	228	245	261	265	229
85°	59	78	102	116	121	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1224.8	1224.8	1224.8	1224.8	1224.8
2.5°	1225.4	1224.8	1220.1	1223.4	1224.8
5°	1220.8	1220.1	1215.4	1220.1	1220.8
7.5°	1212.7	1212.7	1208.1	1212.7	1213.4
10°	1202.1	1202.1	1198.0	1202.1	1203.4
12.5°	1186.7	1188.0	1184.0	1188.7	1190.0
15°	1168.6	1170.7	1168.0	1172.7	1175.3
17.5°	1149.3	1149.9	1148.6	1154.6	1157.3
20°	1127.9	1127.2	1127.2	1135.2	1135.9
22.5°	1099.2	1102.5	1103.2	1111.9	1112.5
25°	1071.8	1073.1	1077.8	1085.8	1088.5
27.5°	1045.7	1045.0	1049.7	1057.1	1059.7
30°	1008.3	1015.0	1023.0	1025.7	1028.3
32.5°	978.9	980.9	988.9	991.6	993.6
35°	936.1	949.5	953.5	956.8	956.8
37.5°	901.4	908.7	914.1	920.1	922.8
40°	859.3	868.6	874.6	880.7	882.7
42.5°	822.5	828.5	835.9	840.6	841.9
45°	773.8	785.8	795.1	798.5	799.8
47.5°	733.7	747.0	748.4	756.4	758.4
50°	690.9	700.9	704.3	713.6	712.3
52.5°	643.5	655.5	663.5	666.2	666.8
55°	598.0	606.0	614.7	621.4	620.7
57.5°	551.9	558.6	565.9	576.0	576.6
60°	503.8	511.8	519.8	529.9	556.6
62.5°	457.0	461.7	471.1	490.4	488.4
65°	408.9	412.9	425.0	439.7	442.3
67.5°	356.8	364.8	382.9	392.2	393.6
70°	310.7	318.1	334.1	346.1	348.8
72.5°	261.9	270.6	288.0	303.4	307.4
75°	216.5	227.8	245.2	261.3	265.3
77.5°	169.7	184.4	205.1	243.9	225.2
80°	128.3	145.0	175.7	180.4	182.4
82.5°	91.5	109.6	131.6	147.7	153.0
85°	58.8	78.2	101.6	116.3	120.9
87.5°	32.7	51.4	76.2	90.9	94.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)