

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P600998

Luminaire Tested: 4APVTLD-SL3C3 MID POWER 4000K 120V

Issue Date: 1/31/2023

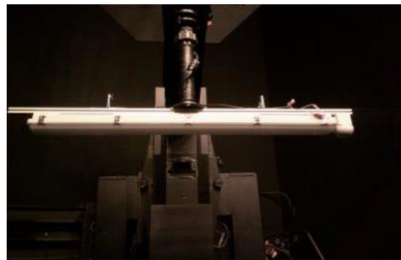
Test Information

Test Method: LM-79-2019
Report Number: P600998
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-820-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/31/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4APVTLTLD-SL3C3 MID POWER 4000K 120V
Description: MID POWER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

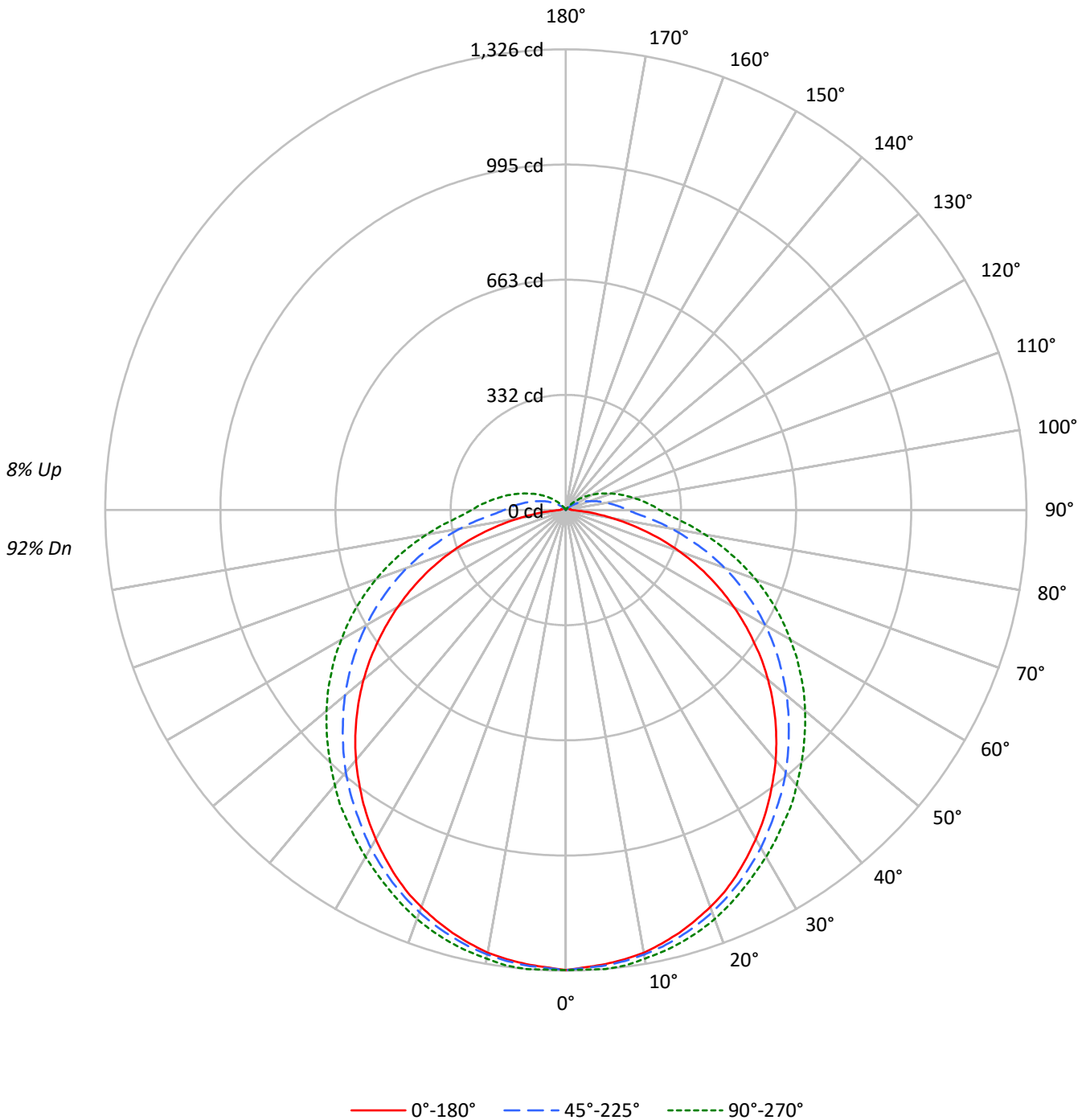
Lumens per Lamp: N/A
Luminaire Lumens: 4620.0 lumens
Efficiency: N/A
Efficacy: 146.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.08')
CIE Type: Direct

Input Watts (W): 31.6
Input Voltage (V): 120
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: 24 FT



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Luminous Intensity Polar Plot





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CATALOG NUMBER: 4APVTL-D-SL3C3 MID POWER 4000K 120V

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	50	30	10	0
RCR																					
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	95	95	95	92
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	78	76	76	76	76	74
2	95	86	78	72	92	83	76	71	78	73	68	74	69	65	70	66	63	63	63	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	54	61	56	52	52	52	52	50
4	79	66	57	50	76	64	56	49	61	53	47	57	51	46	54	49	45	45	45	45	42
5	72	59	49	42	69	57	48	42	54	47	41	51	45	40	49	43	38	38	38	38	36
6	67	53	43	37	64	51	43	36	49	41	35	46	40	35	44	38	34	34	34	34	31
7	62	48	39	32	59	47	38	32	44	37	31	42	35	30	40	34	30	30	30	30	28
8	57	43	35	29	55	42	34	28	40	33	28	39	32	27	37	31	27	27	27	27	25
9	53	40	31	26	52	39	31	26	37	30	25	36	29	24	34	28	24	24	24	24	22
10	50	37	29	23	48	36	28	23	34	27	23	33	27	22	32	26	22	22	22	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10689	10689	10689
5°	10613	10489	10516
10°	10569	10301	10293
15°	10472	10104	10089
20°	10368	9894	9867
25°	10242	9666	9613
30°	10077	9426	9392
35°	9908	9168	9184
40°	9736	8943	9007
45°	9540	8700	8841
50°	9314	8487	8699
55°	9021	8256	8557
60°	8711	8038	8405
65°	8320	7786	8282
70°	7769	7517	8130
75°	6946	7185	7955
80°	5738	6886	7826
85°	4189	6681	7852

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9540 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.5	2.7
10°-20°	359.8	7.8
20°-30°	545.9	11.8
30°-40°	662.7	14.3
40°-50°	703.4	15.2
50°-60°	667.6	14.4
60°-70°	562.6	12.2
70°-80°	405.3	8.8
80°-90°	240.0	5.2
90°-100°	149.5	3.2
100°-110°	97.6	2.1
110°-120°	56.9	1.2
120°-130°	28.5	0.6
130°-140°	10.4	0.2
140°-150°	2.9	0.1
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1031.2	22.3
0°-40°	1693.9	36.7
0°-60°	3064.9	66.3
0°-90°	4272.8	92.5
90°-120°	303.9	6.6
90°-150°	345.8	7.5
90°-180°	347.0	7.5
0°-180°	4620.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1324	1324	1324	1324	1324	
5°	1312	1328	1316	1317	1326	125
15°	1260	1276	1271	1279	1288	355
25°	1161	1178	1182	1195	1205	535
35°	1020	1040	1055	1081	1095	638
45°	853	877	908	949	968	658
55°	660	694	747	800	825	591
65°	455	500	575	637	666	450
75°	240	306	395	465	493	254
85°	56	135	230	303	327	63
90°	17	86	177	247	270	11
95°	14	64	147	210	234	11
105°	11	33	96	148	168	12
115°	9	13	57	96	112	9
125°	6	7	27	55	67	5
135°	4	4	6	23	31	3
145°	3	3	4	5	6	2
155°	3	2	3	3	4	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CATALOG NUMBER: 4APVTLTD-SL3C3 MID POWER 4000K 120V

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1324	1324	1324	1324	1324
2.5°	1317	1331	1319	1322	1324
5°	1312	1328	1316	1317	1326
7.5°	1304	1320	1309	1312	1322
10°	1294	1309	1299	1302	1311
12.5°	1278	1294	1287	1291	1301
15°	1260	1276	1271	1279	1288
17.5°	1239	1256	1253	1263	1272
20°	1216	1233	1232	1241	1253
22.5°	1191	1207	1208	1218	1230
25°	1161	1178	1182	1195	1205
27.5°	1128	1146	1153	1169	1179
30°	1094	1113	1123	1140	1153
32.5°	1058	1077	1089	1111	1125
35°	1020	1040	1055	1081	1095
37.5°	980	1001	1021	1049	1068
40°	940	961	985	1017	1034
42.5°	897	920	947	983	1001
45°	853	877	908	949	968
47.5°	807	833	869	913	934
50°	760	788	830	876	899
52.5°	712	741	788	840	864
55°	660	694	747	800	825
57.5°	610	647	706	761	788
60°	559	598	663	720	746
62.5°	507	549	620	679	707
65°	455	500	575	637	666
67.5°	402	451	531	595	623
70°	348	403	486	552	581
72.5°	295	354	441	508	537
75°	240	306	395	465	493
77.5°	187	258	351	422	450
80°	138	213	309	380	407
82.5°	94	171	269	340	367
85°	56	135	230	303	327
87.5°	29	106	199	271	295
90°	17	86	177	247	270
92.5°	15	74	162	229	253
95°	14	64	147	210	234
97.5°	13	54	133	194	216
100°	13	46	120	178	199
102.5°	12	39	108	163	183
105°	11	33	96	148	168
107.5°	11	27	85	134	153
110°	10	22	75	121	139



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	9	17	66	108	125
115°	9	13	57	96	112
117.5°	8	10	48	85	100
120°	8	8	41	74	89
122.5°	7	8	33	64	77
125°	6	7	27	55	67
127.5°	5	6	21	46	58
130°	4	6	15	38	48
132.5°	4	5	10	30	39
135°	4	4	6	23	31
137.5°	4	4	5	16	23
140°	3	4	5	11	16
142.5°	3	3	4	6	10
145°	3	3	4	5	6
147.5°	3	3	3	5	5
150°	3	2	3	4	5
152.5°	3	2	3	4	4
155°	3	2	3	3	4
157.5°	3	2	2	3	3
160°	3	2	2	3	3
162.5°	0	0	0	0	0
165°	0	0	0	0	0
167.5°	0	0	0	0	0
170°	0	0	0	0	0
172.5°	0	0	0	0	0
175°	0	0	0	0	0
177.5°	0	0	0	0	0
180°	0	0	0	0	0

(END OF REPORT)