

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: STREETWORKS

Report Number: P177402

Luminaire Tested: **VAL-F01-LED-E-U-GL2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P177402
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33701)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VAL-F01-LED-E-U-GL2-7030
Description: VALET TUNNEL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE II W/ GLARE CONTROL
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2207.7 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.9
Input Voltage (V): NR
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: 28.75 FT

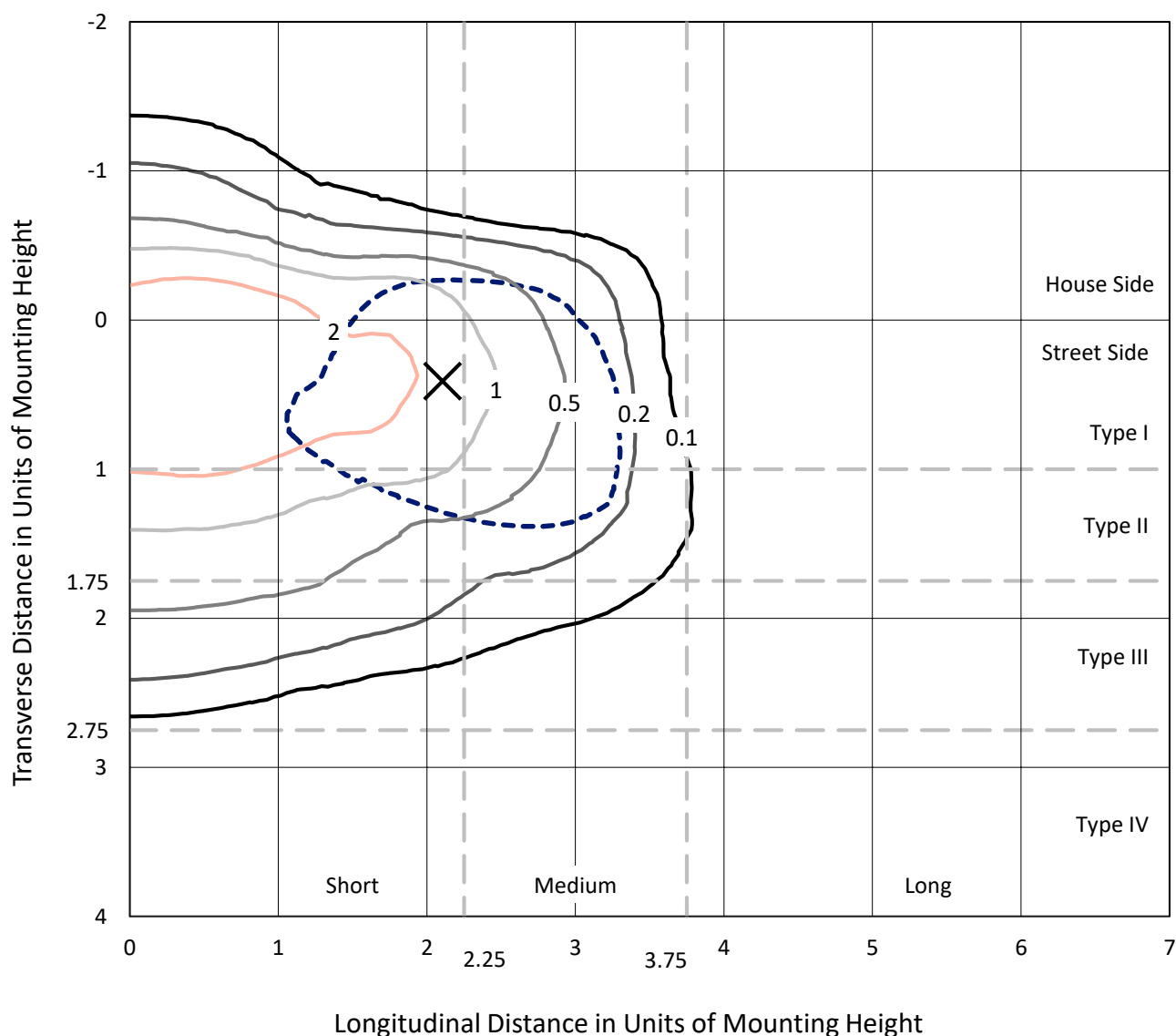


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

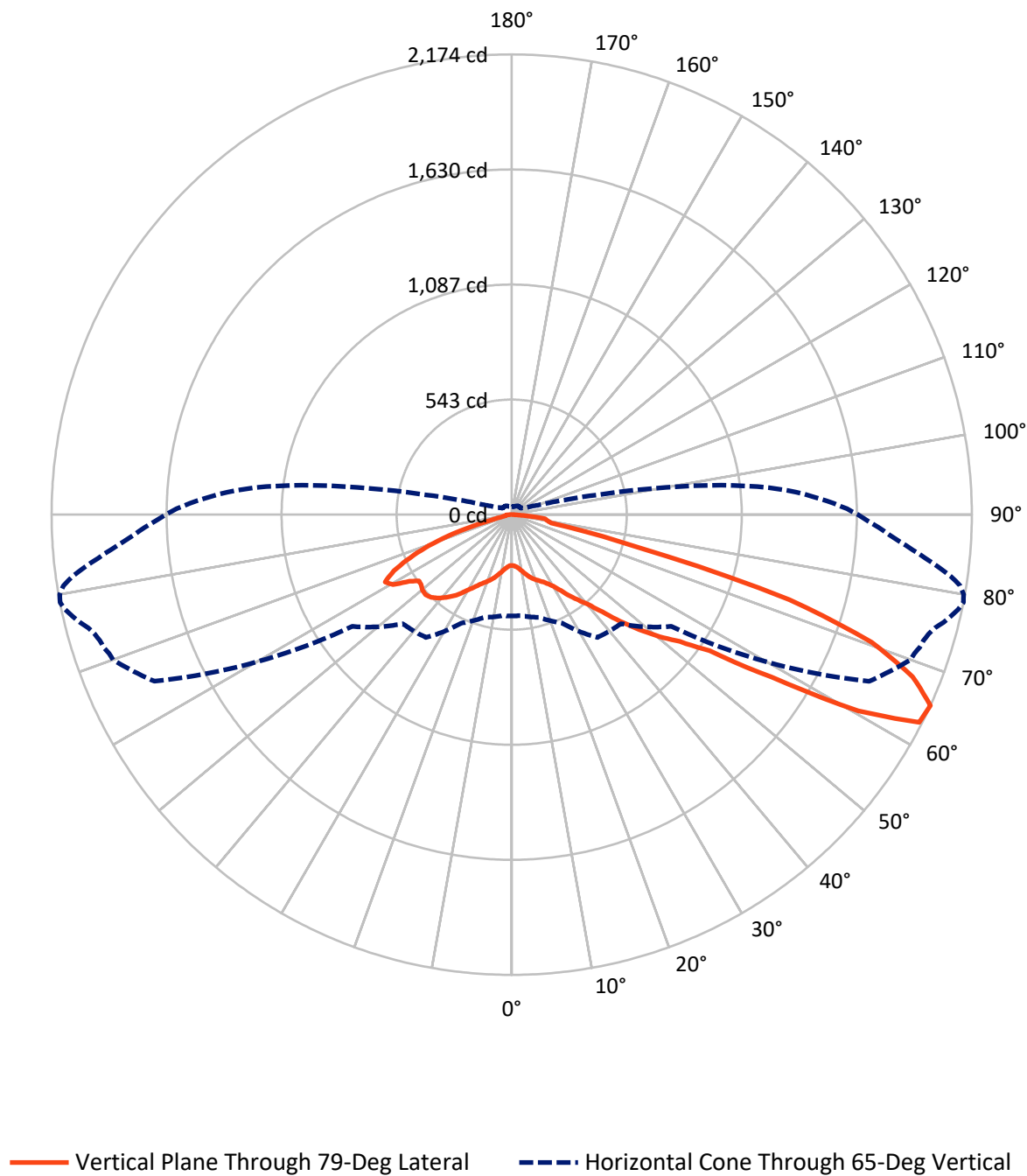


Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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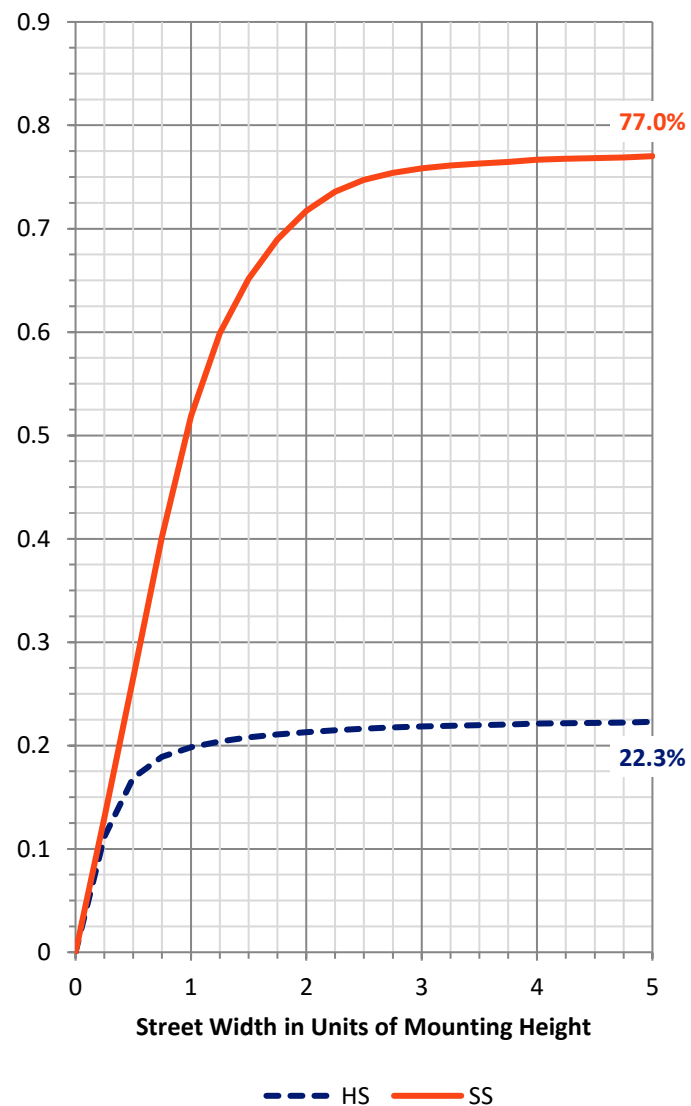
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	501.1	0.0	501.1
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	1706.6	0.0	1706.6
	% Fixture	77.3	0.0	77.3
Total	Lumens	2207.7	0.0	2207.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.8	1.1
10°-20°	77.5	3.5
20°-30°	133.6	6.1
30°-40°	217.9	9.9
40°-50°	363.8	16.5
50°-60°	492.0	22.3
60°-70°	611.2	27.7
70°-80°	244.7	11.1
80°-90°	43.0	1.9
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°-90°	2207.7	100.0
0°-180°	2207.7	100.0

Coefficient of Utilization



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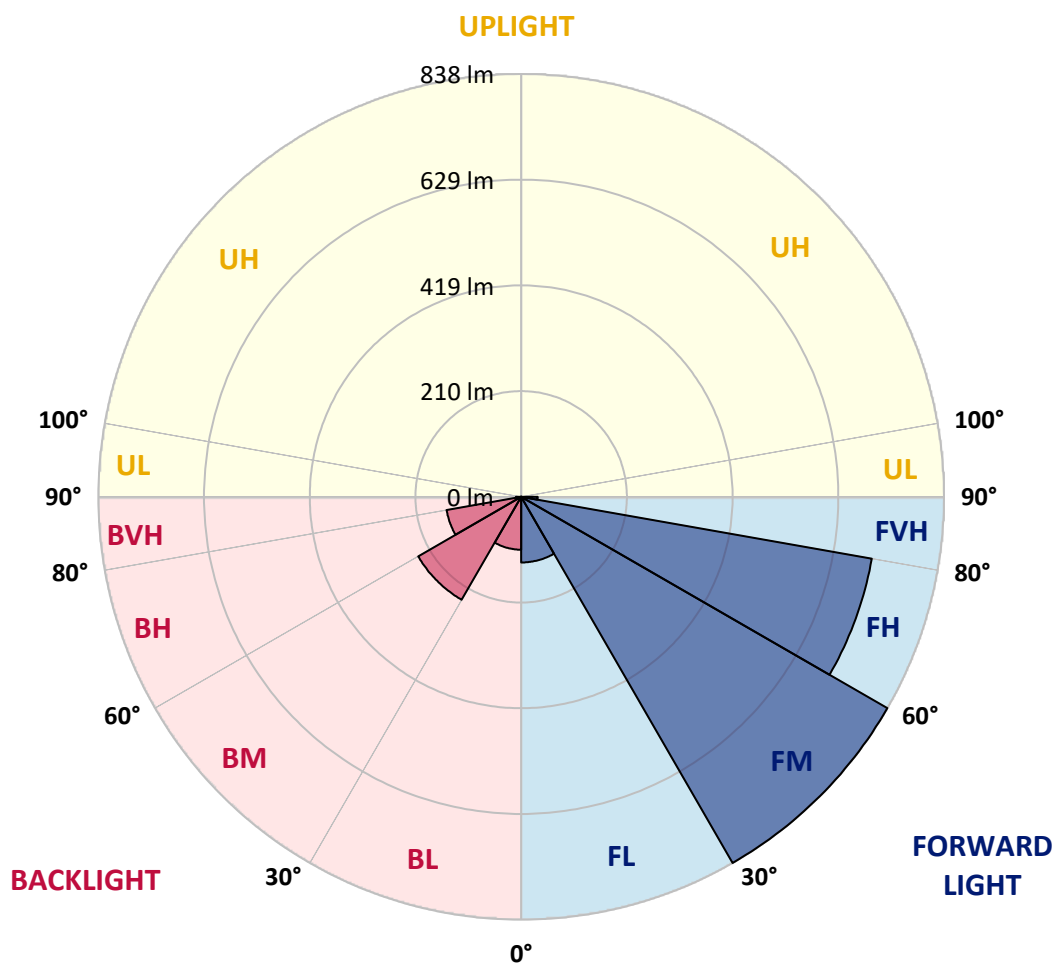
CATALOG NUMBER: VAL-F01-LED-E-U-GL2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	130.2	5.9			
FM	(30°-60°)	838.1	38.0			
FH	(60°-80°)	705.7	32.0			G1/1800
FVH	(80°-90°)	32.6	1.5			G1/100
BL	(0°-30°)	104.8	4.7	B0/110		
BM	(30°-60°)	235.7	10.7	B1/1000		
BH	(60°-80°)	150.2	6.8	B1/500		G1/500
BVH	(80°-90°)	10.4	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9
2.5°	241.7	241.6	242.3	242.9	242.9	243.2	243.1	242.2	242.3	242.6	242.3
5°	244.4	243.8	244.6	245.5	246.1	246.9	247.6	247.8	248.4	248.4	248.2
7.5°	250.3	249.9	250.9	251.2	252.6	253.8	255.3	256.4	257.0	257.3	257.7
10°	260.4	260.1	260.4	261.0	261.6	263.0	265.6	267.8	269.2	269.2	269.8
12.5°	272.6	271.4	271.7	270.5	270.8	273.7	276.7	280.5	282.7	283.0	283.4
15°	282.1	281.5	281.1	279.4	280.6	284.4	289.1	294.5	296.5	298.1	298.0
17.5°	291.0	290.3	289.2	287.0	288.2	294.2	301.3	307.3	310.6	310.9	311.2
20°	301.6	300.7	298.7	294.1	293.8	302.2	311.7	318.2	321.2	322.6	323.0
22.5°	315.0	313.8	310.2	301.1	298.7	308.7	320.0	328.0	331.2	332.5	333.3
25°	332.2	329.8	324.1	309.9	304.9	315.3	328.9	338.5	342.9	344.3	345.2
27.5°	347.7	345.9	339.0	322.3	313.7	324.2	339.7	352.1	358.1	359.8	361.2
30°	365.8	363.3	357.7	339.9	328.4	337.8	357.5	373.2	380.6	380.8	383.8
32.5°	408.4	406.7	401.6	382.0	362.7	363.3	381.7	403.2	410.6	411.8	414.5
35°	471.4	470.8	470.6	459.8	445.5	430.7	432.0	448.5	453.5	455.4	456.3
37.5°	512.9	518.1	531.0	538.8	535.2	538.4	521.8	501.7	498.8	496.7	497.6
40°	548.6	553.3	579.2	615.4	637.4	653.0	638.3	576.8	553.9	547.2	544.7
42.5°	569.7	575.0	612.1	670.0	726.1	762.9	766.8	681.3	623.1	622.3	612.7
45°	581.2	586.5	630.8	708.8	788.1	854.4	888.8	809.9	724.4	718.1	704.7
47.5°	578.9	583.9	630.0	723.1	824.7	915.2	984.0	939.9	841.3	826.1	807.5
50°	551.3	554.9	603.3	699.7	814.9	940.5	1049.1	1059.2	973.6	952.9	925.1
52.5°	522.8	529.3	569.4	658.2	770.4	924.8	1088.0	1167.8	1097.1	1082.9	1047.3
55°	507.4	512.6	545.3	621.1	723.5	871.3	1104.1	1270.2	1247.1	1241.4	1216.2
57.5°	506.8	511.8	537.9	598.7	685.4	815.5	1108.8	1428.4	1496.1	1497.6	1490.3
60°	531.6	536.7	558.6	609.5	673.6	767.7	1092.1	1652.8	1802.3	1815.6	1837.8
62.5°	535.0	537.4	563.8	632.6	716.4	732.0	1023.2	1839.6	2012.9	2025.1	2037.3
65°	478.6	478.5	501.9	565.2	707.5	728.4	919.6	1862.5	2004.4	2011.8	2027.0
67.5°	356.9	353.9	367.2	425.1	561.4	729.3	796.8	1689.5	1848.2	1862.2	1867.3
70°	184.0	188.6	197.7	233.1	356.5	587.1	684.5	1425.5	1622.4	1627.7	1646.0
72.5°	75.6	73.6	79.8	98.0	178.4	388.0	566.2	1125.0	1340.0	1336.4	1339.7
75°	42.1	42.7	44.5	51.1	86.7	194.8	486.5	796.4	911.3	848.8	830.0
77.5°	33.8	34.1	34.2	35.4	47.4	103.9	373.4	524.5	458.3	425.6	413.0
80°	24.7	26.4	28.2	28.5	32.6	59.0	204.8	441.5	386.8	359.7	337.3
82.5°	19.9	20.7	24.6	25.2	25.9	35.1	92.7	414.7	385.3	357.5	326.8
85°	11.9	13.3	20.1	20.2	20.5	21.4	51.3	168.9	210.1	185.6	170.0
87.5°	4.2	5.4	10.0	8.3	10.6	8.7	22.5	56.5	69.7	66.2	58.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9
2.5°	242.2	242.2	242.5	242.3	242.3	242.3	242.3	242.0	242.0	241.6	241.9
5°	248.2	248.1	248.2	248.4	248.2	248.5	248.4	248.2	248.4	248.2	248.4
7.5°	257.9	257.1	258.2	257.6	257.4	258.3	257.9	258.3	258.5	258.3	258.2
10°	270.1	270.5	270.5	270.5	270.2	271.1	271.3	271.6	271.7	272.3	272.3
12.5°	284.1	284.3	284.9	284.7	285.0	286.1	286.8	287.0	287.1	287.6	287.0
15°	299.2	299.5	299.5	300.8	300.4	301.9	302.4	302.4	302.5	304.3	304.5
17.5°	312.6	312.6	313.8	313.8	315.0	315.3	316.7	316.8	317.4	319.1	319.2
20°	323.9	324.5	325.3	326.2	326.6	327.5	328.4	329.3	330.1	331.5	331.6
22.5°	334.6	335.2	336.4	337.0	338.1	338.7	339.4	340.5	341.7	343.5	344.0
25°	347.0	347.6	348.9	349.9	351.1	352.0	353.3	354.7	355.4	357.2	358.6
27.5°	362.7	364.5	366.3	366.7	367.6	369.8	371.6	373.4	375.0	375.9	377.6
30°	385.6	385.6	389.4	389.4	391.0	393.0	394.2	396.1	399.2	400.1	402.2
32.5°	416.4	417.1	418.5	422.5	425.6	426.5	427.4	430.2	432.0	434.3	436.9
35°	460.2	461.0	461.7	465.7	469.1	470.0	470.9	472.8	475.8	479.7	478.5
37.5°	499.6	500.0	502.5	506.8	508.8	511.2	512.0	515.3	516.9	520.6	520.7
40°	546.9	545.9	547.2	552.2	555.2	555.1	557.5	563.5	564.7	566.4	570.6
42.5°	613.0	609.1	613.3	615.0	619.5	622.3	627.2	631.2	634.1	640.4	643.5
45°	698.3	694.3	697.7	698.5	707.8	710.7	718.0	723.4	729.6	736.8	738.9
47.5°	795.6	788.1	783.9	788.5	799.7	804.4	811.4	816.6	823.1	826.8	825.6
50°	908.3	890.2	881.7	879.3	887.3	893.9	904.9	907.4	910.4	910.2	910.4
52.5°	1033.9	1015.0	997.4	985.2	984.0	992.9	995.6	996.2	995.3	988.5	984.3
55°	1197.9	1196.6	1178.0	1152.7	1151.0	1150.0	1134.2	1132.2	1128.6	1118.2	1103.8
57.5°	1495.6	1510.7	1498.5	1497.9	1484.6	1475.9	1446.8	1432.3	1417.1	1388.9	1366.4
60°	1839.7	1861.6	1873.7	1879.0	1904.9	1904.9	1881.1	1860.6	1835.8	1792.8	1750.9
62.5°	2046.9	2066.1	2083.9	2111.8	2144.8	2159.4	2160.6	2142.4	2111.2	2062.2	2002.9
65°	2033.8	2048.0	2069.6	2102.4	2129.7	2156.0	2173.6	2168.0	2144.2	2095.2	2030.7
67.5°	1885.3	1905.9	1933.8	1964.2	1989.5	2014.2	2042.7	2044.8	2038.5	1991.9	1933.5
70°	1656.1	1682.6	1700.3	1738.4	1749.9	1774.9	1803.6	1817.3	1807.0	1771.1	1736.9
72.5°	1345.4	1366.4	1369.4	1352.8	1358.5	1364.7	1371.7	1339.5	1327.2	1279.2	1257.2
75°	815.8	788.2	765.0	741.9	673.0	648.6	611.0	537.0	528.5	477.7	442.4
77.5°	388.0	376.4	355.4	320.3	273.5	228.8	189.9	154.3	141.0	116.1	98.9
80°	324.8	310.9	292.1	266.0	233.3	200.7	170.0	143.6	117.0	95.3	76.2
82.5°	298.0	273.9	247.3	224.8	201.8	179.6	158.9	135.1	121.1	97.7	79.8
85°	150.6	131.9	106.9	90.0	76.0	61.8	53.5	45.7	40.7	32.4	28.2
87.5°	50.5	41.3	30.8	26.1	23.5	20.2	18.5	17.6	17.2	15.2	13.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9
2.5°	241.9	241.9	241.9	241.9	241.7	241.7	241.7	241.7	241.7	241.7	241.9
5°	248.1	248.1	248.2	248.7	247.8	248.1	248.4	247.9	248.4	247.9	248.5
7.5°	258.0	258.5	258.2	258.8	258.5	259.4	258.8	258.3	258.6	258.6	258.8
10°	272.0	272.6	272.2	272.5	272.5	273.1	272.3	272.5	272.6	272.3	272.5
12.5°	287.6	287.9	287.7	288.6	288.2	288.6	288.2	288.8	289.1	289.4	289.4
15°	304.5	304.8	305.7	305.5	306.4	306.1	306.3	305.5	307.0	306.1	306.4
17.5°	320.0	319.8	321.1	321.5	321.7	321.8	322.3	321.7	321.8	322.3	322.0
20°	332.1	333.1	333.4	334.6	335.5	335.8	335.7	336.1	336.7	336.1	336.1
22.5°	344.9	346.4	346.8	347.6	348.5	348.6	349.6	350.0	350.3	350.2	350.3
25°	360.3	361.3	362.4	363.9	364.9	365.1	365.8	366.4	366.6	366.4	367.3
27.5°	379.1	380.5	381.8	383.6	384.8	385.1	386.8	386.8	387.7	388.2	388.5
30°	403.4	403.8	407.3	409.1	408.7	410.8	413.0	412.9	413.9	414.2	415.0
32.5°	438.7	438.7	441.7	444.0	446.4	445.6	449.1	448.5	450.1	451.0	450.6
35°	481.5	483.0	485.3	486.6	489.2	490.5	493.0	494.3	495.1	494.9	493.3
37.5°	525.7	528.1	529.0	532.3	534.9	537.1	537.4	535.9	536.5	533.5	532.6
40°	576.2	579.7	581.8	586.8	586.5	589.3	589.6	585.2	584.5	580.6	576.5
42.5°	646.8	651.6	653.3	657.0	654.0	655.4	647.8	646.0	640.0	633.7	624.5
45°	741.9	739.5	740.6	739.5	731.5	725.6	719.5	710.6	701.7	689.5	676.3
47.5°	825.6	826.8	819.0	814.0	801.0	792.7	781.4	765.9	755.0	738.6	721.3
50°	906.9	893.5	882.5	871.0	859.6	844.3	827.3	813.6	797.7	777.2	756.0
52.5°	973.0	955.6	942.3	926.1	910.5	893.6	875.8	855.9	835.1	814.6	788.4
55°	1090.0	1064.8	1047.7	1019.2	1001.6	977.9	964.1	938.3	909.3	882.2	854.3
57.5°	1341.1	1303.4	1283.9	1267.8	1240.3	1201.4	1176.7	1134.3	1093.0	1064.0	1017.6
60°	1719.3	1681.0	1648.7	1610.5	1568.5	1515.7	1492.2	1442.2	1383.1	1335.3	1273.9
62.5°	1955.0	1902.0	1849.7	1796.2	1753.9	1712.6	1663.9	1613.5	1555.0	1490.0	1422.9
65°	1964.5	1901.0	1838.4	1783.8	1734.3	1680.7	1635.0	1583.8	1522.3	1455.4	1385.7
67.5°	1865.8	1794.8	1727.7	1667.8	1611.3	1561.5	1513.7	1465.6	1399.7	1343.6	1272.3
70°	1669.3	1604.5	1543.7	1475.6	1432.3	1376.3	1329.7	1279.1	1231.9	1179.4	1112.6
72.5°	1226.1	1177.3	1107.9	1079.0	1055.7	996.5	961.8	957.6	927.4	864.5	814.6
75°	456.0	388.2	367.6	379.9	359.5	366.3	363.7	349.2	349.9	339.1	326.5
77.5°	89.3	82.9	78.0	79.3	73.7	71.3	76.5	74.9	72.2	73.0	71.8
80°	60.8	51.4	46.6	44.8	42.5	41.5	41.2	40.7	39.8	39.4	38.0
82.5°	59.9	44.5	35.1	30.2	28.4	27.4	26.7	26.5	26.2	26.1	26.5
85°	23.8	19.3	17.6	16.1	15.7	15.2	15.2	15.1	14.9	15.2	15.8
87.5°	11.6	9.8	8.9	8.1	7.8	7.7	7.7	7.8	8.0	8.6	9.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	101°	102°	103°	104°	105°
0°	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9
2.5°	241.6	241.7	241.4	241.6	241.4	241.1	241.0	241.4	241.3	241.1	241.1
5°	247.8	248.4	248.1	247.8	247.8	247.6	247.6	247.6	247.5	247.6	247.2
7.5°	258.5	258.3	258.3	258.0	257.7	258.0	257.9	257.4	257.6	257.3	256.8
10°	272.2	271.7	272.5	272.5	271.9	271.7	271.4	271.0	271.0	270.5	270.5
12.5°	288.5	288.0	289.1	288.3	287.4	287.3	286.4	286.1	286.5	286.4	286.1
15°	305.1	305.2	305.7	305.5	304.5	304.5	303.3	303.4	302.5	302.2	301.4
17.5°	321.2	321.4	320.9	320.9	320.1	319.7	318.3	318.5	317.9	316.7	315.8
20°	335.7	335.5	334.5	335.4	333.9	333.6	332.4	331.2	331.5	330.2	328.4
22.5°	349.9	349.6	349.2	348.8	348.0	347.7	346.4	346.2	344.7	342.9	341.4
25°	366.3	366.1	365.7	365.8	364.3	364.5	362.1	361.5	360.6	358.6	357.4
27.5°	387.6	387.6	386.3	385.9	385.4	384.8	382.7	381.2	379.0	376.7	374.3
30°	413.6	413.3	413.0	411.8	410.2	409.3	405.5	403.1	400.1	395.8	392.2
32.5°	450.9	448.3	446.2	443.5	440.8	437.9	432.0	428.0	423.1	416.4	410.6
35°	492.4	488.0	485.7	480.1	475.0	469.3	462.2	453.9	447.3	438.4	429.0
37.5°	526.6	523.3	517.2	510.9	503.7	492.8	484.8	475.9	464.3	454.5	443.2
40°	568.8	561.3	552.7	542.1	532.2	520.0	508.9	496.1	482.0	467.8	453.0
42.5°	613.1	601.5	587.4	575.1	560.1	544.1	529.8	512.4	494.3	475.3	455.6
45°	658.4	644.1	625.2	607.9	586.9	566.9	546.3	522.7	497.9	472.6	447.7
47.5°	699.9	678.9	657.5	634.1	610.0	584.2	555.1	524.0	491.5	458.1	427.1
50°	732.4	706.2	679.2	652.2	622.6	589.2	552.5	512.0	471.8	431.9	396.1
52.5°	761.2	731.8	698.7	665.2	628.7	587.5	541.7	493.9	445.0	400.8	360.7
55°	817.0	780.1	736.4	693.2	647.1	595.2	538.0	479.5	423.3	375.2	332.5
57.5°	968.6	918.7	851.0	791.1	732.6	657.0	576.5	504.4	432.8	375.9	328.4
60°	1207.3	1126.0	1048.5	957.3	862.6	759.0	651.0	553.9	466.6	395.2	338.1
62.5°	1345.7	1259.9	1160.2	1049.7	927.0	800.7	676.8	563.4	467.6	390.0	326.6
65°	1308.3	1222.1	1112.4	999.3	868.8	739.7	616.6	507.7	414.8	343.1	282.4
67.5°	1197.3	1107.2	1004.2	878.7	753.8	634.3	522.1	419.5	337.3	270.4	216.8
70°	1035.8	955.6	856.4	740.7	619.6	512.1	417.6	325.1	255.6	194.2	152.0
72.5°	768.8	697.7	635.8	539.1	450.4	366.1	289.1	226.2	166.3	125.8	96.8
75°	322.7	298.7	288.6	253.2	220.2	180.5	135.9	108.3	87.8	74.6	59.3
77.5°	78.3	78.3	73.6	68.9	63.3	57.3	50.7	45.2	42.5	40.1	38.2
80°	38.0	37.7	36.5	36.3	35.3	33.9	33.2	32.1	31.7	31.1	30.8
82.5°	26.7	26.5	26.1	26.7	26.5	27.1	27.4	27.6	27.6	27.7	27.9
85°	16.9	17.5	18.7	20.2	21.6	23.2	24.7	25.9	26.8	27.6	28.2
87.5°	10.7	12.2	13.1	15.4	17.6	20.2	23.1	24.3	25.3	25.5	24.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	106°	107°	108°	109°	110°	115°	125°	135°	145°	155°	165°
0°	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9
2.5°	241.1	241.0	241.3	241.0	241.0	240.8	240.4	239.9	239.5	239.3	238.9
5°	247.0	247.0	247.3	246.7	246.9	246.3	244.9	243.4	242.0	240.8	239.5
7.5°	257.0	256.5	256.7	256.5	256.2	255.0	252.0	248.2	244.6	240.8	237.8
10°	270.2	269.3	269.3	269.0	268.6	266.9	260.6	253.0	245.5	238.7	233.7
12.5°	285.0	285.2	284.0	283.2	282.4	279.0	269.5	257.4	245.5	234.6	226.7
15°	300.4	300.2	298.9	298.4	296.8	291.6	277.3	259.7	242.6	226.7	214.7
17.5°	314.3	313.7	312.3	311.4	309.6	302.8	282.6	258.6	235.1	214.1	199.2
20°	326.9	326.2	325.0	323.3	321.5	311.7	284.6	253.2	223.2	199.2	184.1
22.5°	340.1	338.4	337.0	334.8	332.8	319.7	283.2	243.5	209.6	182.6	166.5
25°	354.7	352.7	349.9	347.1	344.1	326.2	279.4	231.5	193.3	164.7	148.4
27.5°	370.5	367.6	363.9	360.4	355.6	331.0	272.9	218.1	175.5	146.9	130.0
30°	387.3	382.0	377.3	372.0	365.8	333.3	263.6	201.5	155.9	128.8	111.9
32.5°	403.5	396.4	389.5	381.8	373.4	332.4	250.3	181.9	136.3	111.9	97.7
35°	420.1	409.9	400.2	389.8	379.6	327.8	232.1	160.1	117.8	97.9	87.6
37.5°	431.4	418.6	405.8	393.3	380.9	318.0	207.8	135.9	101.0	87.8	80.4
40°	437.2	421.5	405.8	390.3	375.0	301.7	179.5	113.7	89.1	80.2	74.9
42.5°	435.5	416.1	396.6	378.2	359.5	275.8	148.7	95.5	80.8	74.3	69.7
45°	421.8	398.6	376.4	356.9	333.6	242.5	122.1	84.1	74.5	69.5	65.1
47.5°	396.0	370.1	342.9	320.9	299.0	203.9	101.6	77.1	68.9	64.8	60.5
50°	363.1	333.1	306.0	282.1	260.7	167.8	87.6	71.0	64.4	60.9	56.2
52.5°	326.9	294.7	269.9	244.9	223.9	140.1	77.8	64.4	60.0	56.4	52.6
55°	296.9	267.1	241.9	216.7	195.6	122.6	69.7	59.3	55.9	52.2	49.2
57.5°	288.9	254.8	227.4	203.6	181.9	111.9	63.8	54.6	52.3	49.5	46.1
60°	292.2	254.7	223.9	197.8	175.1	103.3	59.4	51.4	49.6	47.0	43.6
62.5°	280.3	240.7	209.6	181.9	160.3	92.4	56.2	49.9	48.7	45.2	41.3
65°	238.9	202.5	172.7	148.7	130.1	77.8	53.7	51.3	50.1	44.0	39.8
67.5°	181.9	151.6	127.6	109.6	96.2	64.4	53.1	55.8	53.4	44.6	39.4
70°	125.8	102.8	87.5	76.6	68.2	54.3	55.0	60.8	57.3	46.6	41.9
72.5°	79.8	66.7	59.1	55.0	51.0	45.8	54.6	60.2	55.5	46.9	41.9
75°	51.1	45.7	43.1	41.6	40.4	40.0	48.1	49.5	44.6	40.7	39.1
77.5°	36.2	35.3	34.8	34.7	34.8	35.9	39.8	37.2	32.4	32.6	33.5
80°	30.6	30.6	30.3	30.5	30.8	31.2	31.8	27.4	24.9	26.8	29.9
82.5°	28.0	28.5	28.8	29.1	29.6	29.0	27.0	20.8	20.1	26.1	29.3
85°	28.5	28.5	28.7	29.0	29.1	26.1	22.5	15.7	15.4	29.3	27.6
87.5°	24.4	24.1	23.1	22.3	21.3	17.9	14.9	8.7	9.0	18.1	19.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: VAL-F01-LED-E-U-GL2-7030

CANDELA DISTRIBUTION (continued):

	175°	180°
0°	239.9	239.9
2.5°	238.7	238.7
5°	238.7	238.7
7.5°	236.8	236.2
10°	231.0	230.3
12.5°	222.3	221.5
15°	208.9	208.0
17.5°	192.1	190.6
20°	174.6	172.5
22.5°	157.1	155.5
25°	139.2	137.7
27.5°	121.5	120.0
30°	105.3	104.7
32.5°	93.2	92.6
35°	84.3	84.0
37.5°	78.3	78.0
40°	73.0	72.7
42.5°	68.2	67.7
45°	63.3	63.5
47.5°	58.5	58.4
50°	54.3	54.3
52.5°	50.8	50.7
55°	47.7	47.5
57.5°	44.5	44.3
60°	41.8	41.3
62.5°	39.2	38.9
65°	37.5	37.4
67.5°	36.3	35.9
70°	36.0	34.8
72.5°	35.1	33.6
75°	33.0	32.3
77.5°	29.1	28.2
80°	22.5	20.8
82.5°	18.8	16.3
85°	13.9	12.8
87.5°	10.1	8.0
90°	0.0	0.0

(END OF REPORT)