

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: P177396

Luminaire Tested: **VAL-E01-LED-E-U-GL2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P177396
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-E01-LED-E-U-GL2-8030
Description: VALET TUNNEL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE II W/ GLARE CONTROL
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2471.2 lumens
Efficiency: N/A
Efficacy: 100.0 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): 24.7
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

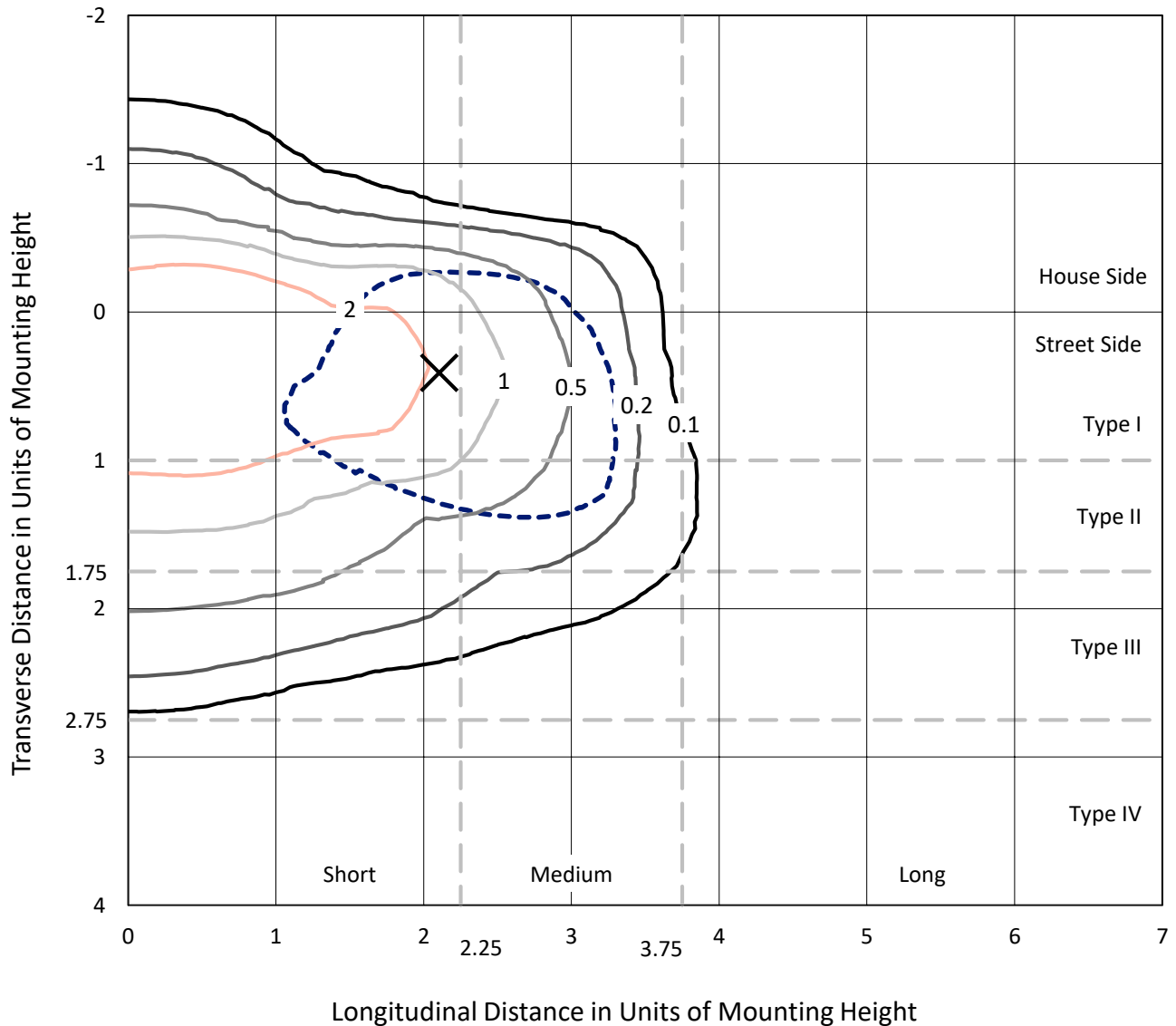


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Iso-Footcandle Lines of Horizontal Illumination

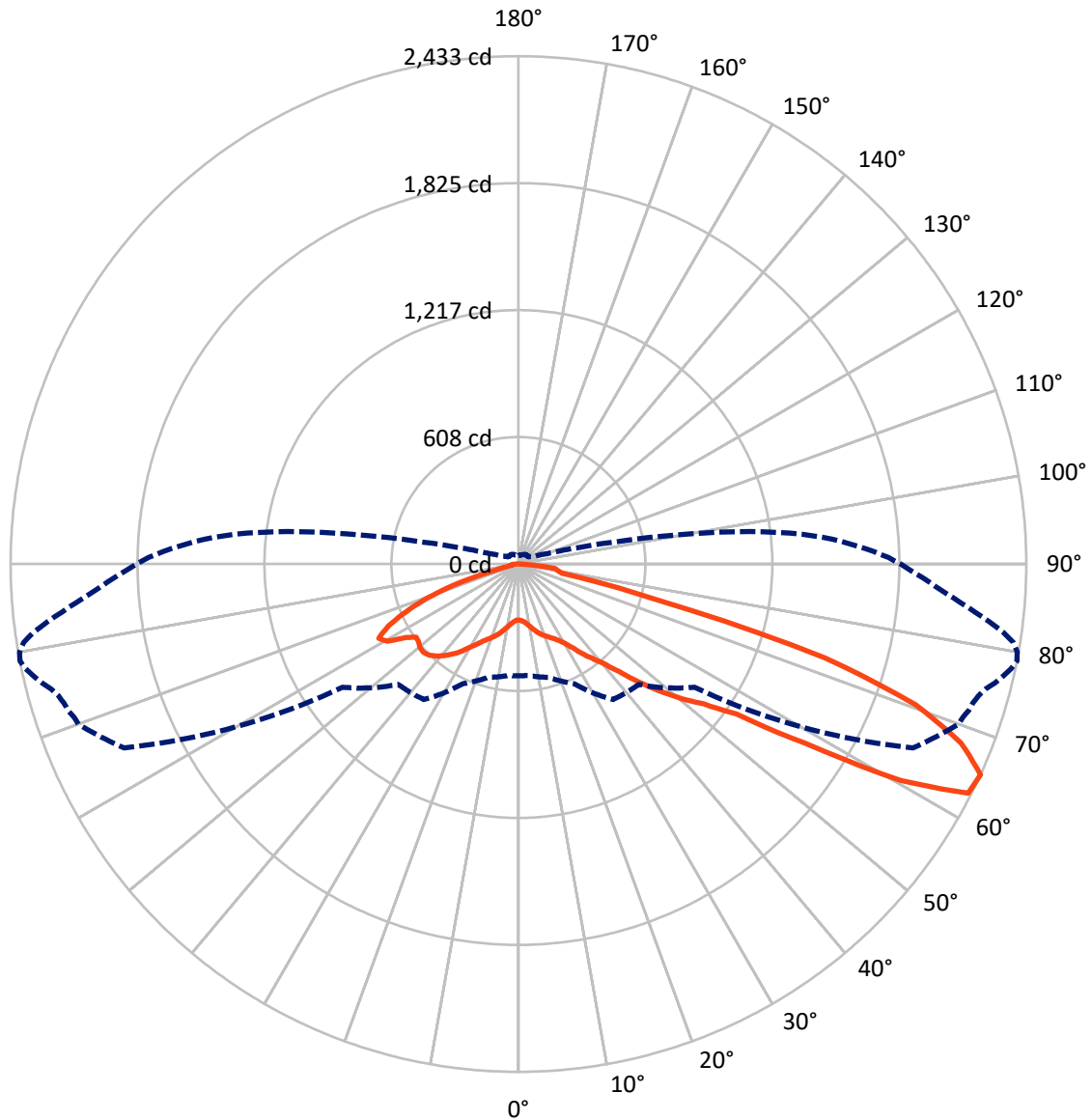
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	560.9	0.0	560.9
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	1910.3	0.0	1910.3
	% Fixture	77.3	0.0	77.3
Total	Lumens	2471.2	0.0	2471.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.7	1.1
10°-20°	86.8	3.5
20°-30°	149.6	6.1
30°-40°	244.0	9.9
40°-50°	407.3	16.5
50°-60°	550.7	22.3
60°-70°	684.1	27.7
70°-80°	273.9	11.1
80°-90°	48.1	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°	2471.2	100.0
0°-180°	2471.2	100.0

Coefficient of Utilization



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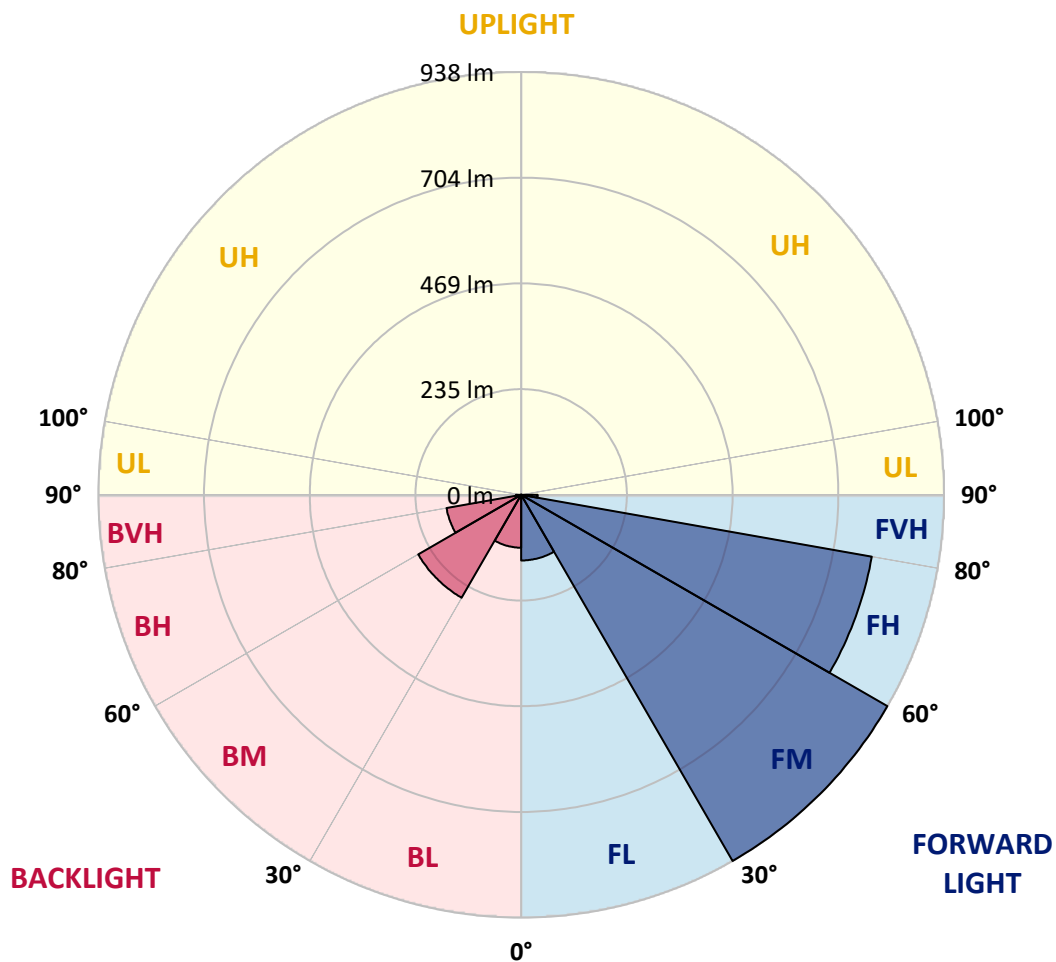
CATALOG NUMBER: VAL-E01-LED-E-U-GL2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	145.7	5.9			
FM	(30°-60°)	938.1	38.0			
FH	(60°-80°)	789.9	32.0			G1/1800
FVH	(80°-90°)	36.5	1.5			G1/100
BL	(0°-30°)	117.3	4.7	B1/500		
BM	(30°-60°)	263.8	10.7	B1/1000		
BH	(60°-80°)	168.2	6.8	B1/500		G1/500
BVH	(80°-90°)	11.6	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°	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6
2.5°	270.6	270.4	271.3	271.9	271.9	272.3	272.1	271.1	271.3	271.6	271.3
5°	273.6	272.9	273.8	274.8	275.5	276.3	277.2	277.3	278.0	278.0	277.8
7.5°	280.2	279.7	280.9	281.2	282.7	284.1	285.8	287.0	287.6	288.0	288.5
10°	291.5	291.2	291.5	292.2	292.9	294.4	297.3	299.8	301.3	301.3	302.0
12.5°	305.2	303.8	304.2	302.8	303.2	306.4	309.7	314.0	316.5	316.8	317.2
15°	315.8	315.1	314.6	312.8	314.1	318.4	323.6	329.7	331.9	333.7	333.5
17.5°	325.8	324.9	323.8	321.2	322.6	329.3	337.3	344.0	347.7	348.1	348.4
20°	337.6	336.6	334.4	329.2	328.8	338.3	348.9	356.2	359.5	361.1	361.6
22.5°	352.6	351.3	347.2	337.1	334.4	345.5	358.2	367.1	370.7	372.2	373.0
25°	371.9	369.2	362.7	346.9	341.3	353.0	368.1	379.0	383.8	385.4	386.4
27.5°	389.2	387.2	379.5	360.7	351.1	362.9	380.3	394.1	400.9	402.8	404.3
30°	409.5	406.6	400.4	380.5	367.6	378.1	400.2	417.8	426.0	426.2	429.6
32.5°	457.1	455.2	449.5	427.6	406.0	406.6	427.2	451.4	459.6	461.0	464.0
35°	527.7	527.0	526.8	514.7	498.6	482.1	483.6	502.0	507.6	509.8	510.8
37.5°	574.1	580.0	594.3	603.1	599.1	602.6	584.0	561.6	558.4	556.0	557.0
40°	614.1	619.3	648.4	688.9	713.5	730.9	714.5	645.7	620.0	612.6	609.7
42.5°	637.7	643.6	685.2	750.0	812.8	854.0	858.3	762.6	697.5	696.6	685.8
45°	650.5	656.5	706.1	793.4	882.1	956.4	994.9	906.6	810.9	803.8	788.8
47.5°	648.0	653.6	705.2	809.4	923.2	1024.4	1101.4	1052.1	941.7	924.7	903.9
50°	617.1	621.2	675.4	783.2	912.2	1052.8	1174.3	1185.6	1089.8	1066.6	1035.6
52.5°	585.2	592.5	637.4	736.8	862.4	1035.2	1217.9	1307.2	1228.0	1212.1	1172.3
55°	568.0	573.7	610.4	695.3	809.9	975.3	1235.9	1421.8	1396.0	1389.5	1361.4
57.5°	567.3	572.9	602.1	670.1	767.2	912.9	1241.2	1598.9	1674.6	1676.3	1668.2
60°	595.0	600.8	625.2	682.3	754.0	859.4	1222.4	1850.0	2017.5	2032.3	2057.1
62.5°	598.9	601.6	631.1	708.1	802.0	819.3	1145.3	2059.2	2253.1	2266.8	2280.5
65°	535.8	535.6	561.8	632.7	792.0	815.3	1029.3	2084.8	2243.7	2251.9	2269.0
67.5°	399.5	396.2	411.0	475.8	628.4	816.3	891.9	1891.2	2068.8	2084.5	2090.2
70°	205.9	211.2	221.3	261.0	399.0	657.1	766.2	1595.6	1816.1	1822.0	1842.4
72.5°	84.6	82.4	89.3	109.7	199.7	434.3	633.8	1259.2	1499.9	1495.9	1499.6
75°	47.1	47.8	49.8	57.2	97.1	218.1	544.5	891.4	1020.0	950.2	929.1
77.5°	37.8	38.1	38.3	39.7	53.0	116.3	417.9	587.1	513.0	476.3	462.3
80°	27.7	29.5	31.6	31.9	36.5	66.0	229.2	494.2	433.0	402.6	377.6
82.5°	22.3	23.1	27.5	28.2	29.0	39.3	103.8	464.2	431.3	400.2	365.8
85°	13.3	14.9	22.5	22.6	23.0	24.0	57.4	189.1	235.1	207.8	190.2
87.5°	4.7	6.1	11.1	9.3	11.8	9.8	25.2	63.3	78.0	74.1	65.7
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°	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6
2.5°	271.1	271.1	271.4	271.3	271.3	271.3	271.3	270.9	270.9	270.4	270.8
5°	277.8	277.7	277.8	278.0	277.8	278.2	278.0	277.8	278.0	277.8	278.0
7.5°	288.6	287.8	289.0	288.3	288.1	289.2	288.6	289.2	289.3	289.2	289.0
10°	302.3	302.8	302.8	302.8	302.5	303.5	303.7	304.0	304.2	304.8	304.8
12.5°	318.0	318.2	318.9	318.7	319.0	320.2	321.1	321.2	321.4	321.9	321.2
15°	334.9	335.2	335.2	336.8	336.2	337.9	338.4	338.4	338.6	340.6	340.8
17.5°	349.9	349.9	351.3	351.3	352.6	353.0	354.5	354.6	355.3	357.2	357.3
20°	362.6	363.3	364.1	365.1	365.6	366.6	367.6	368.7	369.5	371.0	371.2
22.5°	374.6	375.2	376.6	377.3	378.4	379.1	380.0	381.1	382.5	384.5	385.0
25°	388.4	389.1	390.6	391.6	393.0	394.0	395.5	397.0	397.9	399.9	401.4
27.5°	406.0	408.0	410.0	410.5	411.5	413.9	415.9	417.9	419.8	420.8	422.7
30°	431.6	431.6	435.8	435.8	437.7	439.9	441.2	443.4	446.8	447.8	450.2
32.5°	466.1	466.9	468.4	473.0	476.3	477.4	478.4	481.6	483.6	486.1	489.0
35°	515.2	516.0	516.9	521.2	525.1	526.1	527.2	529.2	532.6	536.9	535.6
37.5°	559.2	559.7	562.4	567.3	569.5	572.2	573.1	576.8	578.6	582.7	582.9
40°	612.2	611.0	612.6	618.1	621.5	621.3	624.0	630.8	632.1	634.0	638.7
42.5°	686.2	681.8	686.5	688.4	693.4	696.6	702.0	706.6	709.8	716.9	720.3
45°	781.7	777.1	781.0	781.9	792.3	795.5	803.6	809.7	816.6	824.7	827.1
47.5°	890.6	882.1	877.4	882.6	895.1	900.4	908.3	914.0	921.3	925.5	924.2
50°	1016.7	996.4	987.0	984.3	993.2	1000.6	1013.0	1015.7	1019.0	1018.9	1019.0
52.5°	1157.3	1136.2	1116.4	1102.8	1101.4	1111.4	1114.4	1115.1	1114.1	1106.5	1101.7
55°	1340.9	1339.4	1318.7	1290.3	1288.4	1287.3	1269.5	1267.3	1263.3	1251.6	1235.6
57.5°	1674.1	1691.0	1677.3	1676.7	1661.8	1652.0	1619.4	1603.2	1586.2	1554.6	1529.5
60°	2059.3	2083.8	2097.3	2103.2	2132.3	2132.3	2105.6	2082.6	2054.9	2006.8	1959.9
62.5°	2291.3	2312.7	2332.6	2363.8	2400.8	2417.2	2418.5	2398.1	2363.2	2308.3	2242.0
65°	2276.6	2292.4	2316.6	2353.4	2383.9	2413.3	2433.1	2426.8	2400.1	2345.3	2273.0
67.5°	2110.3	2133.4	2164.7	2198.6	2227.0	2254.6	2286.5	2288.9	2281.8	2229.7	2164.3
70°	1853.7	1883.5	1903.2	1945.9	1958.7	1986.8	2018.8	2034.2	2022.7	1982.5	1944.2
72.5°	1506.0	1529.5	1532.9	1514.3	1520.7	1527.6	1535.4	1499.4	1485.6	1431.9	1407.3
75°	913.2	882.3	856.3	830.5	753.3	726.0	684.0	601.1	591.6	534.8	495.3
77.5°	434.3	421.3	397.9	358.5	306.2	256.1	212.5	172.7	157.8	130.0	110.7
80°	363.6	348.1	327.0	297.8	261.1	224.7	190.2	160.7	131.0	106.7	85.2
82.5°	333.5	306.5	276.8	251.7	225.9	201.0	177.9	151.2	135.5	109.4	89.3
85°	168.6	147.7	119.7	100.8	85.1	69.2	59.9	51.1	45.6	36.3	31.6
87.5°	56.5	46.3	34.4	29.2	26.3	22.6	20.8	19.7	19.2	17.0	15.2
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°	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6
2.5°	270.8	270.8	270.8	270.8	270.6	270.6	270.6	270.6	270.6	270.6	270.8
5°	277.7	277.7	277.8	278.3	277.3	277.7	278.0	277.5	278.0	277.5	278.2
7.5°	288.8	289.3	289.0	289.7	289.3	290.3	289.7	289.2	289.5	289.5	289.7
10°	304.5	305.2	304.7	305.0	305.0	305.7	304.8	305.0	305.2	304.8	305.0
12.5°	321.9	322.2	322.1	323.1	322.6	323.1	322.6	323.2	323.6	323.9	323.9
15°	340.8	341.1	342.2	342.0	343.0	342.7	342.8	342.0	343.7	342.7	343.0
17.5°	358.2	358.0	359.4	359.9	360.0	360.2	360.7	360.0	360.2	360.7	360.4
20°	371.7	372.9	373.2	374.6	375.6	375.9	375.7	376.3	376.9	376.3	376.3
22.5°	386.0	387.7	388.2	389.1	390.1	390.3	391.3	391.8	392.1	391.9	392.1
25°	403.3	404.4	405.6	407.3	408.5	408.7	409.5	410.2	410.3	410.2	411.2
27.5°	424.4	425.9	427.4	429.4	430.8	431.1	433.0	433.0	434.0	434.5	434.8
30°	451.5	452.0	455.9	457.9	457.4	459.8	462.3	462.2	463.4	463.7	464.5
32.5°	491.0	491.0	494.4	496.9	499.6	498.8	502.7	502.0	503.9	504.9	504.4
35°	539.0	540.7	543.2	544.7	547.6	549.1	551.8	553.3	554.2	554.0	552.1
37.5°	588.4	591.1	592.1	595.9	598.7	601.3	601.6	599.9	600.6	597.2	596.2
40°	645.0	648.9	651.2	656.8	656.5	659.7	660.0	655.1	654.3	649.9	645.3
42.5°	724.0	729.4	731.2	735.5	732.1	733.6	725.2	723.1	716.4	709.3	699.0
45°	830.5	827.8	829.0	827.8	818.8	812.3	805.3	795.4	785.4	771.7	757.1
47.5°	924.2	925.5	916.7	911.2	896.7	887.4	874.7	857.3	845.2	826.8	807.4
50°	1015.2	1000.1	987.8	975.0	962.1	945.1	926.0	910.7	892.9	870.0	846.2
52.5°	1089.1	1069.7	1054.8	1036.6	1019.2	1000.3	980.4	958.1	934.8	911.8	882.5
55°	1220.1	1191.9	1172.8	1140.9	1121.2	1094.7	1079.1	1050.3	1017.9	987.5	956.2
57.5°	1501.1	1458.9	1437.1	1419.1	1388.4	1344.8	1317.1	1269.7	1223.4	1191.0	1139.1
60°	1924.5	1881.6	1845.5	1802.8	1755.7	1696.6	1670.3	1614.4	1548.2	1494.7	1426.0
62.5°	2188.3	2129.1	2070.5	2010.6	1963.3	1917.0	1862.5	1806.1	1740.6	1667.9	1592.8
65°	2198.9	2127.9	2057.8	1996.7	1941.3	1881.3	1830.1	1772.9	1704.0	1629.1	1551.1
67.5°	2088.5	2009.0	1933.9	1866.9	1803.6	1747.9	1694.4	1640.5	1566.8	1504.0	1424.2
70°	1868.6	1796.0	1728.0	1651.7	1603.2	1540.6	1488.5	1431.7	1378.9	1320.2	1245.4
72.5°	1372.5	1317.8	1240.2	1207.8	1181.8	1115.4	1076.6	1071.9	1038.1	967.7	911.8
75°	510.4	434.5	411.5	425.2	402.4	410.0	407.1	390.9	391.6	379.6	365.4
77.5°	99.9	92.8	87.3	88.8	82.5	79.8	85.6	83.9	80.9	81.7	80.3
80°	68.0	57.6	52.2	50.1	47.6	46.4	46.1	45.6	44.6	44.1	42.5
82.5°	67.0	49.8	39.3	33.8	31.7	30.7	29.9	29.7	29.4	29.2	29.7
85°	26.7	21.6	19.7	18.1	17.6	17.0	17.0	16.9	16.7	17.0	17.7
87.5°	13.0	11.0	10.0	9.1	8.8	8.6	8.6	8.8	8.9	9.6	11.0
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-E01-LED-E-U-GL2-8030

CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	101°	102°	103°	104°	105°
0°	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6
2.5°	270.4	270.6	270.2	270.4	270.2	269.9	269.7	270.2	270.1	269.9	269.9
5°	277.3	278.0	277.7	277.3	277.3	277.2	277.2	277.2	277.0	277.2	276.7
7.5°	289.3	289.2	289.2	288.8	288.5	288.8	288.6	288.1	288.3	288.0	287.5
10°	304.7	304.2	305.0	305.0	304.3	304.2	303.8	303.3	303.3	302.8	302.8
12.5°	322.9	322.4	323.6	322.7	321.7	321.6	320.5	320.2	320.7	320.5	320.2
15°	341.5	341.6	342.2	342.0	340.8	340.8	339.5	339.6	338.6	338.3	337.4
17.5°	359.5	359.7	359.2	359.2	358.4	357.9	356.3	356.5	355.8	354.5	353.5
20°	375.7	375.6	374.4	375.4	373.7	373.4	372.0	370.7	371.0	369.7	367.6
22.5°	391.6	391.3	390.9	390.4	389.6	389.2	387.7	387.6	385.9	383.8	382.2
25°	410.0	409.8	409.3	409.5	407.8	408.0	405.3	404.6	403.6	401.4	400.1
27.5°	433.8	433.8	432.5	432.0	431.4	430.8	428.4	426.7	424.2	421.7	419.0
30°	463.0	462.7	462.3	461.0	459.1	458.1	453.9	451.2	447.8	443.1	439.0
32.5°	504.7	501.8	499.5	496.4	493.4	490.2	483.6	479.0	473.6	466.1	459.6
35°	551.1	546.2	543.7	537.5	531.7	525.3	517.4	508.1	500.7	490.7	480.2
37.5°	589.4	585.7	579.0	571.9	563.8	551.6	542.7	532.7	519.7	508.8	496.1
40°	636.7	628.3	618.6	606.8	595.7	582.0	569.7	555.3	539.5	523.6	507.1
42.5°	686.3	673.3	657.5	643.8	626.9	609.0	593.0	573.6	553.3	532.1	509.9
45°	737.0	720.9	699.8	680.4	657.0	634.5	611.6	585.1	557.4	529.0	501.2
47.5°	783.4	759.9	736.0	709.8	682.8	653.9	621.3	586.6	550.1	512.8	478.0
50°	819.9	790.5	760.3	730.1	697.0	659.5	618.5	573.1	528.2	483.4	443.4
52.5°	852.1	819.2	782.0	744.6	703.7	657.6	606.3	552.8	498.1	448.7	403.8
55°	914.5	873.2	824.2	776.0	724.3	666.2	602.3	536.8	473.8	420.0	372.2
57.5°	1084.2	1028.3	952.5	885.5	820.0	735.5	645.3	564.6	484.5	420.8	367.6
60°	1351.4	1260.4	1173.7	1071.5	965.5	849.6	728.7	620.0	522.3	442.4	378.4
62.5°	1506.4	1410.3	1298.7	1175.0	1037.6	896.3	757.6	630.6	523.4	436.5	365.6
65°	1464.5	1367.9	1245.2	1118.6	972.4	828.0	690.2	568.3	464.4	384.0	316.2
67.5°	1340.3	1239.3	1124.0	983.6	843.8	710.0	584.4	469.6	377.6	302.7	242.7
70°	1159.5	1069.7	958.6	829.1	693.6	573.2	467.4	363.9	286.1	217.4	170.1
72.5°	860.5	781.0	711.7	603.5	504.2	409.8	323.6	253.2	186.2	140.8	108.4
75°	361.2	334.4	323.1	283.4	246.4	202.1	152.1	121.2	98.2	83.6	66.3
77.5°	87.6	87.6	82.4	77.1	70.9	64.1	56.7	50.6	47.6	44.9	42.7
80°	42.5	42.2	40.8	40.7	39.5	38.0	37.1	36.0	35.4	34.8	34.4
82.5°	29.9	29.7	29.2	29.9	29.7	30.4	30.7	30.9	30.9	31.1	31.2
85°	18.9	19.6	20.9	22.6	24.1	26.0	27.7	29.0	30.0	30.9	31.6
87.5°	12.0	13.7	14.7	17.2	19.7	22.6	25.8	27.2	28.4	28.5	27.5
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°	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6
2.5°	269.9	269.7	270.1	269.7	269.7	269.6	269.1	268.6	268.1	267.9	267.4
5°	276.5	276.5	276.8	276.2	276.3	275.6	274.1	272.4	270.9	269.6	268.1
7.5°	287.6	287.1	287.3	287.1	286.8	285.4	282.1	277.8	273.8	269.6	266.2
10°	302.5	301.5	301.5	301.1	300.6	298.8	291.7	283.2	274.8	267.2	261.6
12.5°	319.0	319.2	317.8	317.0	316.2	312.3	301.6	288.1	274.8	262.6	253.7
15°	336.2	336.1	334.6	334.1	332.2	326.5	310.4	290.7	271.6	253.7	240.4
17.5°	351.8	351.1	349.6	348.6	346.5	338.9	316.3	289.5	263.2	239.7	223.0
20°	366.0	365.1	363.8	361.9	359.9	348.9	318.5	283.4	249.8	223.0	206.1
22.5°	380.6	378.8	377.3	374.7	372.5	357.9	317.0	272.6	234.6	204.4	186.4
25°	397.0	394.8	391.6	388.6	385.2	365.1	312.8	259.1	216.4	184.3	166.1
27.5°	414.7	411.5	407.3	403.4	398.0	370.5	305.5	244.1	196.5	164.4	145.5
30°	433.5	427.6	422.3	416.4	409.5	373.0	295.1	225.5	174.5	144.2	125.2
32.5°	451.7	443.8	436.0	427.4	417.9	372.0	280.2	203.6	152.6	125.2	109.4
35°	470.3	458.8	448.0	436.3	424.9	367.0	259.8	179.3	131.8	109.6	98.1
37.5°	482.9	468.6	454.2	440.2	426.4	356.0	232.6	152.1	113.1	98.2	90.0
40°	489.3	471.8	454.2	436.8	419.8	337.8	200.9	127.3	99.8	89.8	83.9
42.5°	487.5	465.7	443.9	423.3	402.4	308.7	166.4	106.8	90.5	83.2	78.0
45°	472.1	446.1	421.3	399.5	373.4	271.4	136.7	94.2	83.4	77.8	72.9
47.5°	443.3	414.2	383.8	359.2	334.7	228.2	113.8	86.3	77.1	72.6	67.7
50°	406.5	372.9	342.5	315.8	291.9	187.9	98.1	79.5	72.1	68.2	63.0
52.5°	366.0	329.8	302.1	274.1	250.7	156.8	87.1	72.1	67.2	63.1	58.9
55°	332.4	298.9	270.8	242.6	218.9	137.2	78.0	66.3	62.6	58.4	55.0
57.5°	323.4	285.3	254.5	227.9	203.6	125.2	71.4	61.1	58.6	55.4	51.7
60°	327.1	285.1	250.7	221.5	196.0	115.6	66.5	57.6	55.5	52.7	48.8
62.5°	313.8	269.4	234.6	203.6	179.4	103.5	63.0	55.9	54.5	50.6	46.3
65°	267.4	226.7	193.3	166.4	145.7	87.1	60.1	57.4	56.0	49.3	44.6
67.5°	203.6	169.6	142.8	122.7	107.7	72.1	59.4	62.5	59.8	50.0	44.1
70°	140.8	115.1	97.9	85.7	76.3	60.8	61.6	68.0	64.1	52.2	46.9
72.5°	89.3	74.6	66.2	61.6	57.1	51.3	61.1	67.4	62.1	52.5	46.9
75°	57.2	51.1	48.3	46.6	45.2	44.7	53.8	55.4	50.0	45.6	43.7
77.5°	40.5	39.5	39.0	38.8	39.0	40.2	44.6	41.7	36.3	36.5	37.5
80°	34.3	34.3	33.9	34.1	34.4	34.9	35.6	30.7	27.9	30.0	33.4
82.5°	31.4	31.9	32.2	32.6	33.1	32.4	30.2	23.3	22.5	29.2	32.7
85°	31.9	31.9	32.1	32.4	32.6	29.2	25.2	17.6	17.2	32.7	30.9
87.5°	27.3	27.0	25.8	25.0	23.8	20.1	16.7	9.8	10.1	20.3	21.6
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):

	175°	180°
0°	268.6	268.6
2.5°	267.2	267.2
5°	267.2	267.2
7.5°	265.0	264.3
10°	258.6	257.8
12.5°	248.8	248.0
15°	233.8	232.8
17.5°	215.0	213.4
20°	195.5	193.1
22.5°	175.9	174.0
25°	155.8	154.1
27.5°	136.1	134.4
30°	117.8	117.1
32.5°	104.3	103.6
35°	94.4	94.0
37.5°	87.6	87.3
40°	81.7	81.4
42.5°	76.3	75.8
45°	70.9	71.1
47.5°	65.5	65.3
50°	60.8	60.8
52.5°	56.9	56.7
55°	53.3	53.2
57.5°	49.8	49.6
60°	46.8	46.3
62.5°	43.9	43.5
65°	42.0	41.9
67.5°	40.7	40.2
70°	40.3	39.0
72.5°	39.3	37.6
75°	37.0	36.1
77.5°	32.6	31.6
80°	25.2	23.3
82.5°	21.1	18.2
85°	15.5	14.3
87.5°	11.3	8.9
90°	0.0	0.0

(END OF REPORT)