

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: INVUE

Report Number: P147213

Luminaire Tested: **VXS-F06-LED-E1-5MQ-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P147213
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-F06-LED-E1-5MQ-8030
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13476.7 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B4 - U0 - G2

Input Watts (W): 156.5
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: 25 FT

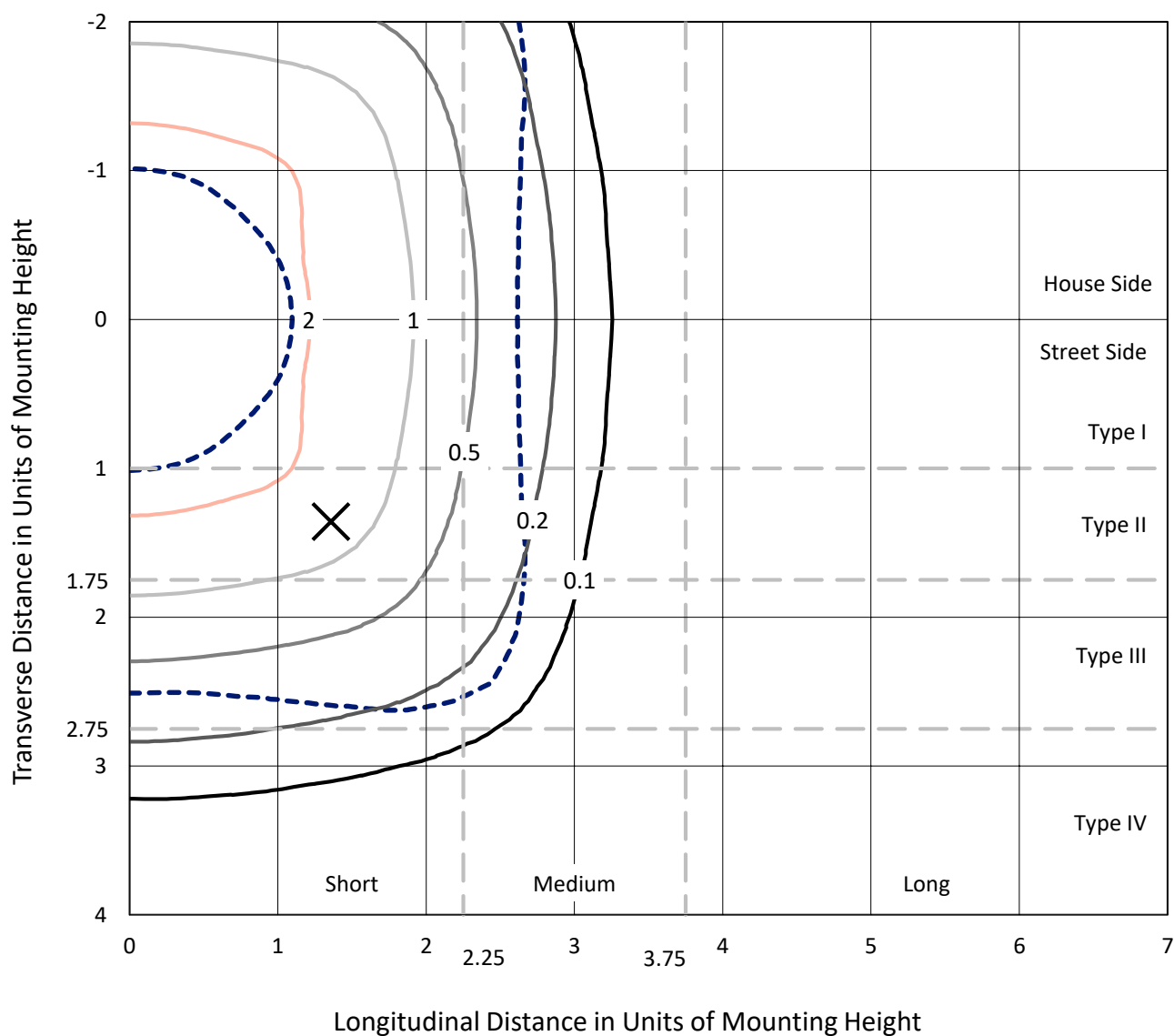


REPORT NUMBER: P147213

CATALOG NUMBER: VXS-F06-LED-E1-5MQ-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

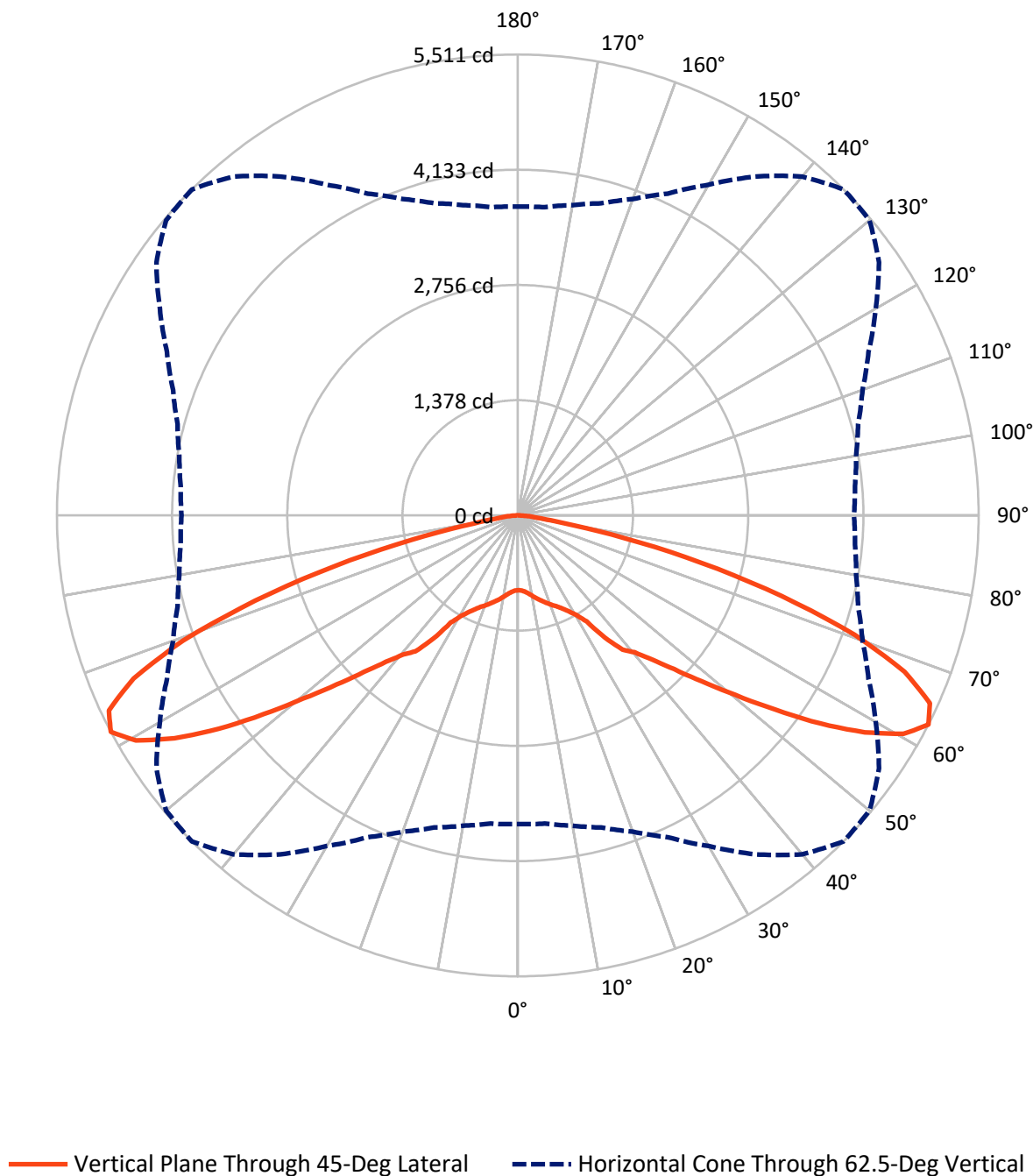


Based on 20 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P147213

CATALOG NUMBER: VXS-F06-LED-E1-5MQ-8030

Luminous Intensity Polar Plot



REPORT NUMBER: P147213

CATALOG NUMBER: VXS-F06-LED-E1-5MQ-8030

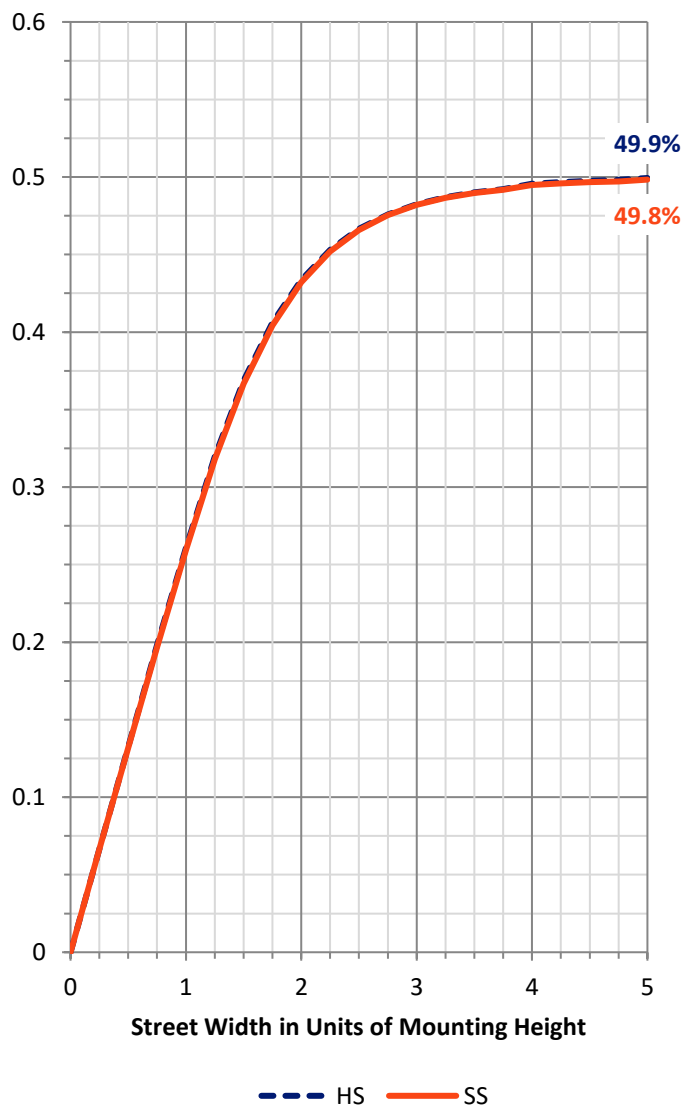
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6738.3	0.0	6738.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6738.3	0.0	6738.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	13476.7	0.0	13476.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.6	0.7
10°-20°	303.1	2.2
20°-30°	586.0	4.3
30°-40°	1134.5	8.4
40°-50°	2048.5	15.2
50°-60°	3562.0	26.4
60°-70°	4043.8	30.0
70°-80°	1567.8	11.6
80°-90°	141.4	1.0
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°	13476.7	100.0
0°-180°	13476.7	100.0

Coefficient of Utilization



REPORT NUMBER: P147213

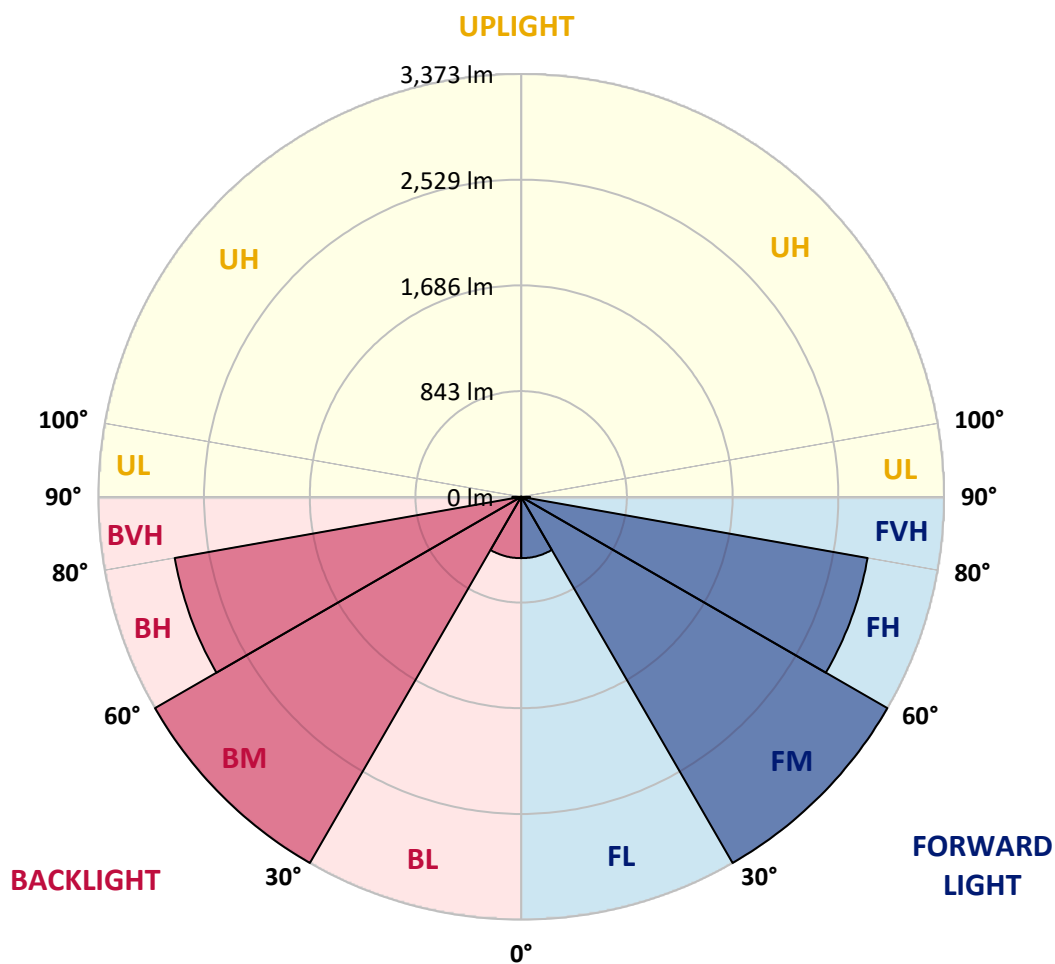
CATALOG NUMBER: VXS-F06-LED-E1-5MQ-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	489.3	3.6			
FM	(30°-60°)	3372.5	25.0			
FH	(60°-80°)	2805.8	20.8			G2/5000
FVH	(80°-90°)	70.7	0.5			G1/100
BL	(0°-30°)	489.3	3.6	B1/500		
BM	(30°-60°)	3372.5	25.0	B3/5000		
BH	(60°-80°)	2805.8	20.8	B4/5000		G2/5000
BVH	(80°-90°)	70.7	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



REPORT NUMBER: P147213

CATALOG NUMBER: VXS-F06-LED-E1-5MQ-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	894.6	894.6	894.6	894.6	894.6	894.6	894.6	894.6	894.6	894.6	894.6
2.5°	900.2	903.0	902.2	900.9	900.9	900.9	900.1	898.0	897.4	898.9	900.2
5°	921.0	921.0	921.0	921.0	919.7	919.7	918.3	916.9	917.6	916.3	915.5
7.5°	953.2	951.1	951.1	950.3	950.4	949.0	946.8	944.0	944.9	944.0	943.4
10°	990.8	991.5	989.4	991.5	988.0	987.4	984.5	983.0	982.4	980.3	980.3
12.5°	1036.1	1034.0	1034.0	1032.5	1031.1	1029.7	1025.6	1024.9	1022.2	1020.7	1018.7
15°	1078.5	1077.9	1075.0	1072.3	1071.5	1070.3	1065.3	1062.5	1061.8	1058.3	1055.5
17.5°	1121.0	1119.6	1116.2	1114.8	1112.0	1109.8	1105.7	1101.6	1099.5	1098.0	1094.6
20°	1166.3	1165.0	1161.5	1158.7	1155.2	1152.4	1146.1	1142.6	1140.5	1138.4	1135.6
22.5°	1222.7	1220.0	1214.4	1209.5	1201.9	1199.1	1190.8	1185.9	1182.4	1179.6	1178.1
25°	1284.0	1284.8	1277.1	1270.9	1261.8	1254.1	1243.7	1238.1	1234.6	1231.9	1231.2
27.5°	1360.7	1361.5	1354.4	1345.4	1331.4	1323.1	1309.2	1302.2	1300.1	1297.3	1296.6
30°	1482.0	1475.6	1463.8	1449.2	1436.7	1418.5	1398.3	1391.4	1384.4	1382.4	1382.4
32.5°	1704.9	1701.5	1691.7	1655.4	1638.8	1601.1	1565.6	1545.4	1522.4	1511.3	1504.2
35°	1860.9	1859.6	1851.9	1839.4	1828.9	1821.2	1800.4	1796.9	1792.7	1792.7	1798.2
37.5°	1976.0	1967.6	1966.2	1968.3	1965.5	1966.8	1983.6	2006.6	2026.1	2035.9	2034.5
40°	2145.9	2134.1	2141.1	2136.2	2129.9	2128.5	2134.1	2143.2	2152.2	2152.2	2150.2
42.5°	2368.3	2373.8	2376.6	2356.4	2343.1	2339.7	2353.0	2350.1	2359.2	2355.6	2346.6
45°	2698.4	2694.9	2690.1	2665.7	2644.8	2628.1	2631.5	2626.7	2627.4	2621.8	2614.9
47.5°	3031.5	3043.4	3023.1	3011.3	2987.6	2975.8	2985.5	2977.2	2993.2	2963.8	2949.9
50°	3354.8	3363.1	3356.3	3339.5	3339.4	3356.2	3368.0	3383.3	3405.6	3372.1	3322.1
52.5°	3619.5	3626.5	3636.9	3650.9	3685.0	3720.6	3770.8	3824.5	3866.9	3860.5	3803.5
55°	3781.1	3789.5	3807.0	3855.0	3916.4	4009.7	4123.3	4248.1	4345.5	4393.0	4351.1
57.5°	3835.4	3841.9	3889.1	3946.9	4042.5	4181.1	4371.3	4586.6	4774.1	4893.2	4874.4
60°	3823.0	3823.0	3871.1	3950.5	4084.4	4268.2	4537.2	4835.4	5122.5	5300.7	5274.3
62.5°	3691.3	3698.2	3767.3	3862.7	4024.4	4244.6	4565.0	4946.1	5289.6	5511.2	5489.6
65°	3402.9	3407.8	3482.3	3595.9	3776.4	4036.9	4387.4	4809.5	5203.3	5416.4	5376.0
67.5°	2936.8	2941.6	3002.2	3130.5	3321.3	3593.8	3972.0	4436.8	4822.2	4990.7	4869.4
70°	2336.2	2350.1	2389.0	2525.0	2669.8	2936.8	3285.1	3749.8	4113.6	4273.2	4139.3
72.5°	1592.1	1627.6	1674.9	1795.4	1934.1	2155.6	2433.0	2824.6	3116.5	3301.1	3182.0
75°	896.7	946.8	961.5	1052.7	1167.0	1342.0	1544.7	1825.5	2120.2	2269.9	2126.4
77.5°	387.4	428.5	446.6	489.1	578.2	651.4	774.8	964.2	1192.1	1297.4	1125.2
80°	190.9	200.6	208.3	221.6	246.6	270.4	328.9	411.8	505.1	528.8	420.8
82.5°	147.8	154.6	167.9	178.3	184.7	190.9	196.5	207.7	216.7	221.6	209.0
85°	103.8	112.8	127.5	139.3	146.3	151.2	156.1	159.6	151.2	137.9	144.9
87.5°	27.2	35.5	49.4	53.7	60.6	64.1	62.8	64.8	58.5	42.6	47.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P147213

CATALOG NUMBER: VXS-F06-LED-E1-5MQ-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	894.6	894.6	894.6	894.6	894.6	894.6	894.6	894.6
2.5°	899.5	898.8	899.5	899.5	899.5	898.9	898.8	898.8
5°	915.5	915.5	916.3	914.8	914.8	915.4	914.8	914.1
7.5°	942.7	942.0	942.0	941.3	942.0	941.3	941.3	940.6
10°	978.9	977.5	978.2	976.2	976.2	975.3	975.4	975.4
12.5°	1017.9	1015.8	1016.6	1014.5	1011.0	1011.6	1012.4	1011.7
15°	1055.5	1053.5	1051.4	1049.9	1047.9	1048.6	1048.5	1047.9
17.5°	1093.9	1089.7	1089.0	1086.9	1086.2	1086.2	1086.2	1086.9
20°	1133.6	1130.8	1130.2	1128.1	1127.3	1129.4	1130.2	1128.7
22.5°	1176.1	1174.7	1176.2	1174.7	1176.8	1178.2	1178.9	1177.5
25°	1229.6	1228.4	1230.5	1235.2	1238.1	1239.5	1243.0	1241.6
27.5°	1298.7	1297.4	1302.2	1309.1	1313.4	1320.3	1323.7	1325.2
30°	1387.9	1394.2	1397.0	1410.9	1413.7	1424.8	1424.9	1429.7
32.5°	1517.5	1529.3	1550.3	1571.9	1601.9	1623.4	1623.4	1634.5
35°	1801.8	1806.6	1822.6	1826.1	1832.4	1839.4	1832.4	1838.0
37.5°	2019.8	1998.2	1982.9	1961.2	1948.1	1948.0	1949.4	1948.1
40°	2131.4	2122.9	2116.0	2097.8	2095.1	2094.3	2094.4	2097.2
42.5°	2330.6	2310.4	2299.3	2283.9	2279.0	2277.6	2276.9	2278.3
45°	2589.7	2557.0	2527.0	2511.7	2498.4	2485.9	2490.2	2490.2
47.5°	2891.4	2840.6	2791.8	2765.4	2742.4	2731.9	2725.0	2722.8
50°	3258.7	3187.6	3124.9	3075.4	3041.9	3041.2	3044.8	3022.5
52.5°	3708.7	3596.5	3518.5	3451.6	3420.3	3416.8	3405.6	3393.1
55°	4207.7	4074.5	3945.6	3873.8	3832.7	3810.5	3797.2	3776.3
57.5°	4721.8	4542.7	4357.3	4242.4	4169.9	4119.8	4093.3	4081.5
60°	5118.1	4873.7	4629.1	4444.6	4323.9	4249.3	4203.4	4184.6
62.5°	5274.2	4942.6	4629.1	4386.7	4212.4	4109.3	4047.3	4020.2
65°	5088.3	4695.3	4338.5	4071.1	3876.7	3761.7	3694.1	3664.9
67.5°	4568.5	4221.6	3833.4	3567.3	3367.3	3253.8	3180.6	3159.0
70°	3830.1	3475.3	3104.7	2867.0	2688.7	2596.1	2520.0	2511.0
72.5°	2878.2	2572.3	2254.7	2058.2	1914.6	1761.3	1722.3	1741.9
75°	1845.0	1558.7	1275.6	1098.8	967.8	821.5	765.0	779.0
77.5°	873.7	676.5	488.4	377.6	317.0	271.0	259.2	252.2
80°	324.0	262.6	231.9	220.1	211.8	204.1	198.5	192.3
82.5°	209.7	204.9	198.5	196.5	190.2	180.5	162.3	154.7
85°	156.8	156.8	148.4	149.0	144.2	131.6	115.0	105.9
87.5°	46.0	41.0	37.6	34.8	34.2	30.7	22.3	19.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)