

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: P147205

Luminaire Tested: **VXS-F05-LED-E1-5MQ**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P147205
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-F05-LED-E1-5MQ
Description: VISION SITE SMALL LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (35) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13306.5 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B4 - U0 - G2

Input Watts (W): 133.3
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

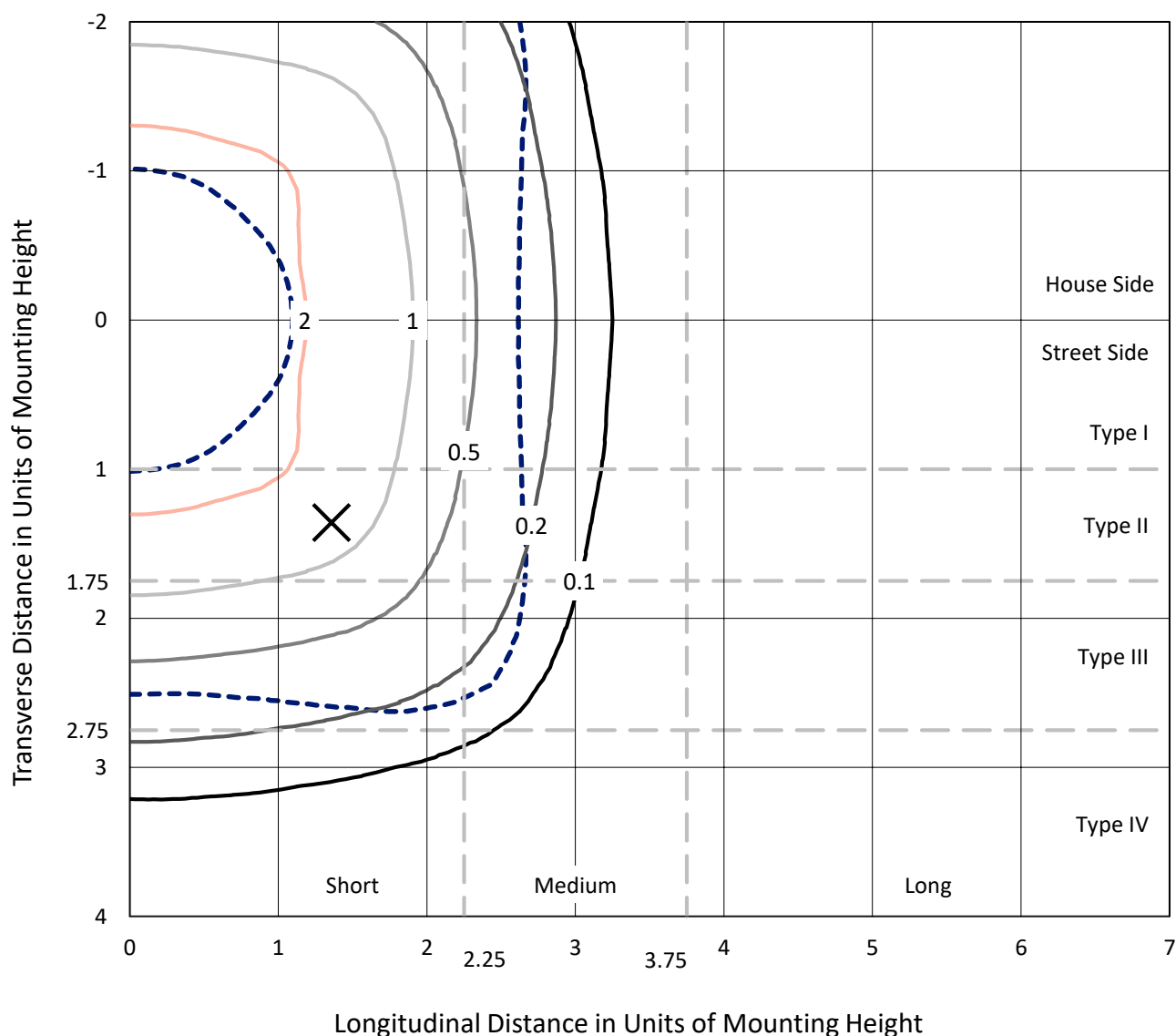


REPORT NUMBER: P147205

CATALOG NUMBER: VXS-F05-LED-E1-5MQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

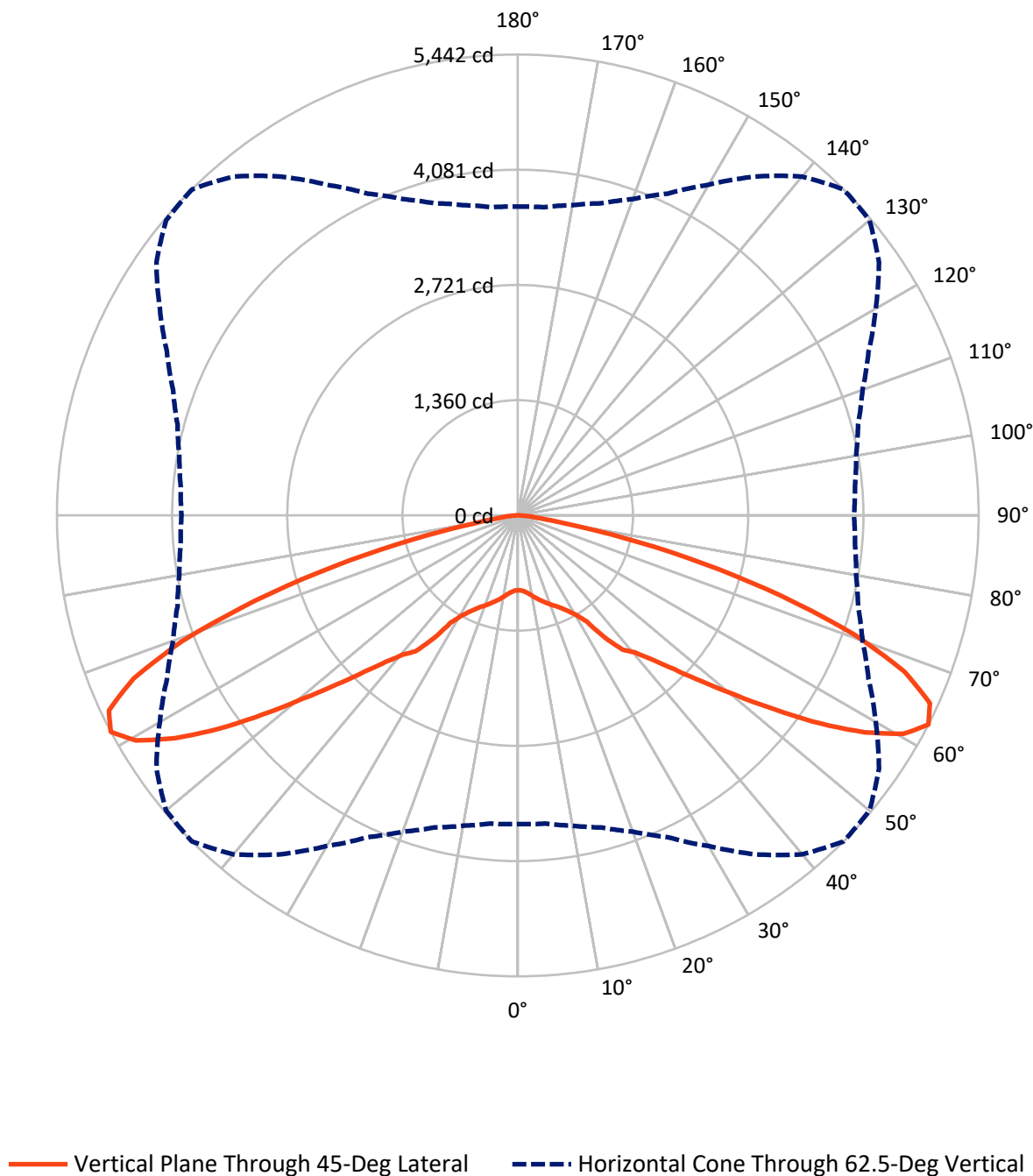


Based on 20 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P147205

CATALOG NUMBER: VXS-F05-LED-E1-5MQ

Luminous Intensity Polar Plot



REPORT NUMBER: P147205

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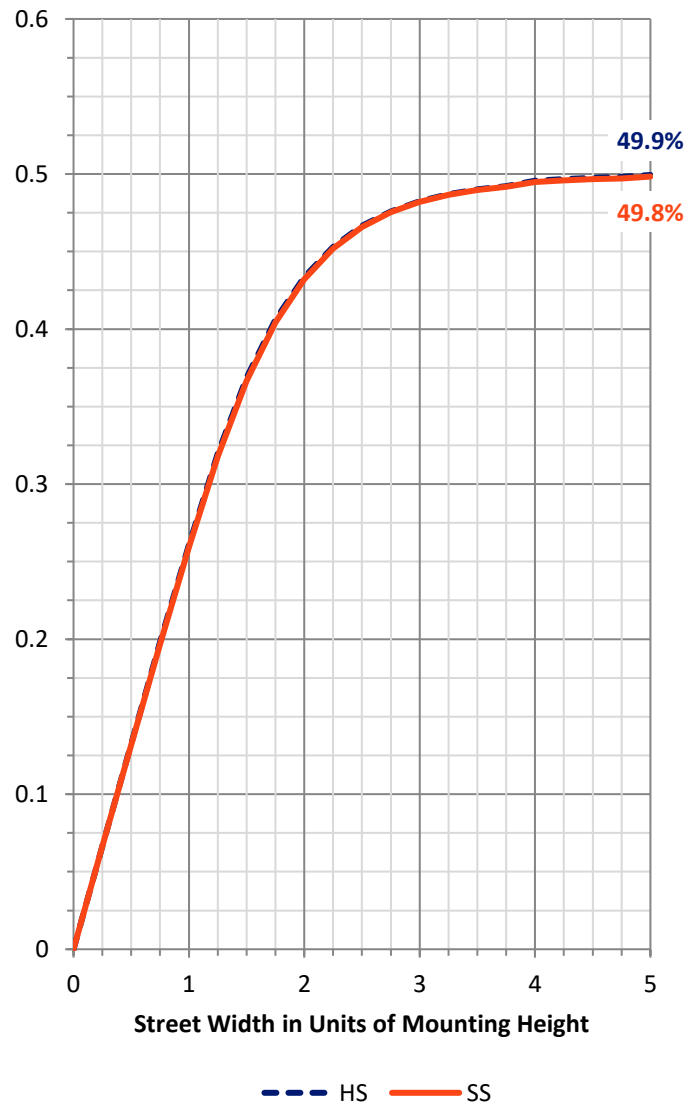
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6653.3	0.0	6653.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6653.3	0.0	6653.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	13306.5	0.0	13306.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.5	0.7
10°-20°	299.2	2.2
20°-30°	578.6	4.3
30°-40°	1120.2	8.4
40°-50°	2022.6	15.2
50°-60°	3517.0	26.4
60°-70°	3992.8	30.0
70°-80°	1548.0	11.6
80°-90°	139.7	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°	13306.5	100.0
0°-180°	13306.5	100.0

Coefficient of Utilization



REPORT NUMBER: P147205

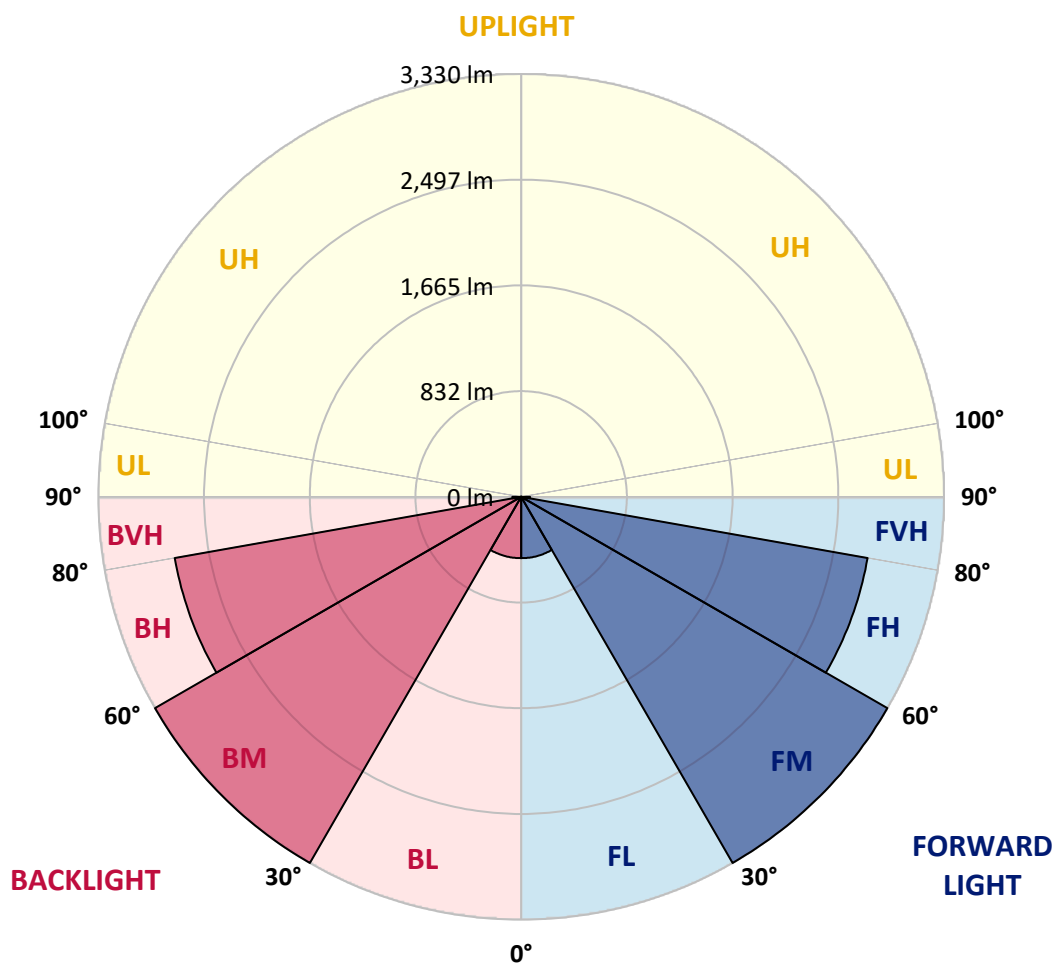
CATALOG NUMBER: VXS-F05-LED-E1-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	483.1	3.6			
FM	(30°-60°)	3329.9	25.0			
FH	(60°-80°)	2770.4	20.8			G2/5000
FVH	(80°-90°)	69.8	0.5			G1/100
BL	(0°-30°)	483.1	3.6	B1/500		
BM	(30°-60°)	3329.9	25.0	B3/5000		
BH	(60°-80°)	2770.4	20.8	B4/5000		G2/5000
BVH	(80°-90°)	69.8	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: P147205

CATALOG NUMBER: VXS-F05-LED-E1-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3
2.5°	888.8	891.6	890.9	889.5	889.5	889.5	888.8	886.8	886.0	887.5	888.8
5°	909.4	909.4	909.4	909.4	908.1	908.1	906.7	905.3	906.0	904.7	903.9
7.5°	941.1	939.1	939.1	938.3	938.3	937.0	934.9	932.2	932.8	932.1	931.5
10°	978.2	978.9	976.8	979.0	975.5	974.8	972.0	970.7	969.9	967.9	967.9
12.5°	1023.0	1020.9	1020.9	1019.5	1018.1	1016.8	1012.6	1012.0	1009.2	1007.9	1005.8
15°	1064.9	1064.2	1061.6	1058.8	1058.0	1056.7	1051.8	1049.1	1048.4	1045.0	1042.3
17.5°	1106.9	1105.5	1102.1	1100.7	1098.0	1096.0	1091.8	1087.7	1085.6	1084.1	1080.7
20°	1151.6	1150.3	1146.7	1144.0	1140.6	1137.8	1131.6	1128.3	1126.2	1124.1	1121.3
22.5°	1207.4	1204.6	1199.1	1194.2	1186.7	1183.9	1175.8	1170.9	1167.5	1164.7	1163.3
25°	1267.9	1268.6	1260.9	1254.8	1245.8	1238.2	1228.0	1222.4	1219.1	1216.3	1215.5
27.5°	1343.5	1344.2	1337.3	1328.4	1314.6	1306.3	1292.6	1285.8	1283.7	1280.9	1280.2
30°	1463.2	1457.1	1445.4	1430.9	1418.4	1400.6	1380.7	1373.8	1366.9	1364.9	1364.9
32.5°	1683.3	1680.0	1670.3	1634.6	1618.0	1580.9	1545.7	1525.8	1503.2	1492.1	1485.2
35°	1837.5	1836.1	1828.6	1816.2	1805.8	1798.3	1777.6	1774.1	1770.1	1770.1	1775.5
37.5°	1951.0	1942.8	1941.3	1943.4	1940.7	1942.1	1958.5	1981.3	2000.5	2010.2	2008.8
40°	2118.9	2107.2	2114.0	2109.2	2103.0	2101.7	2107.2	2116.1	2125.0	2125.0	2122.9
42.5°	2338.3	2343.8	2346.5	2326.6	2313.6	2310.1	2323.1	2320.4	2329.4	2325.9	2316.9
45°	2664.4	2660.9	2656.2	2632.1	2611.4	2594.9	2598.3	2593.6	2594.2	2588.8	2581.8
47.5°	2993.2	3005.0	2984.9	2973.3	2949.8	2938.2	2947.8	2939.6	2955.4	2926.4	2912.7
50°	3312.4	3320.6	3313.8	3297.2	3297.3	3313.8	3325.5	3340.6	3362.7	3329.5	3280.1
52.5°	3573.9	3580.7	3591.1	3604.8	3638.5	3673.6	3723.1	3776.2	3818.0	3811.8	3755.4
55°	3733.5	3741.7	3759.0	3806.3	3866.9	3959.1	4071.2	4194.4	4290.7	4337.4	4296.2
57.5°	3787.2	3793.3	3840.0	3897.2	3991.5	4128.3	4316.1	4528.7	4713.8	4831.4	4812.8
60°	3774.7	3774.7	3822.2	3900.6	4032.7	4214.3	4479.8	4774.3	5057.7	5233.8	5207.8
62.5°	3644.8	3651.6	3719.7	3813.9	3973.5	4190.9	4507.4	4883.7	5222.8	5441.6	5420.2
65°	3359.9	3364.7	3438.3	3550.5	3728.6	3985.9	4331.9	4748.8	5137.5	5348.0	5308.2
67.5°	2899.6	2904.5	2964.4	3090.9	3279.4	3548.4	3921.9	4380.7	4761.2	4927.7	4808.0
70°	2306.6	2320.4	2359.0	2493.1	2636.3	2899.7	3243.6	3702.5	4061.6	4219.1	4087.0
72.5°	1572.0	1607.0	1653.8	1772.8	1909.6	2128.5	2402.3	2788.9	3077.1	3259.5	3141.9
75°	885.4	934.9	949.3	1039.5	1152.3	1325.0	1525.2	1802.4	2093.5	2241.2	2099.6
77.5°	382.5	423.0	441.0	482.9	571.0	643.3	765.0	952.1	1177.0	1280.9	1111.1
80°	188.5	198.1	205.7	218.8	243.5	266.9	324.8	406.6	498.8	522.2	415.4
82.5°	145.9	152.7	165.8	176.2	182.3	188.4	194.0	205.0	213.9	218.8	206.3
85°	102.5	111.5	125.8	137.6	144.5	149.2	154.1	157.5	149.3	136.2	143.1
87.5°	26.7	35.1	48.8	53.0	59.9	63.2	62.0	63.9	57.8	42.0	46.7
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: P147205

CATALOG NUMBER: VXS-F05-LED-E1-5MQ

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3
2.5°	888.1	887.5	888.1	888.1	888.1	887.5	887.5	887.5
5°	903.9	904.0	904.7	903.2	903.2	903.9	903.2	902.6
7.5°	930.8	930.2	930.2	929.3	930.2	929.4	929.3	928.7
10°	966.6	965.2	965.8	963.8	963.7	963.1	963.1	963.1
12.5°	1005.0	1003.0	1003.7	1001.7	998.1	998.9	999.6	998.9
15°	1042.3	1040.2	1038.1	1036.7	1034.6	1035.3	1035.3	1034.6
17.5°	1080.1	1076.0	1075.2	1073.2	1072.5	1072.5	1072.4	1073.2
20°	1119.3	1116.5	1115.9	1113.8	1113.2	1115.2	1115.9	1114.5
22.5°	1161.2	1159.8	1161.2	1159.8	1161.9	1163.3	1163.9	1162.6
25°	1214.2	1212.8	1214.9	1219.7	1222.5	1223.8	1227.3	1225.9
27.5°	1282.3	1280.9	1285.8	1292.6	1296.8	1303.6	1307.2	1308.5
30°	1370.4	1376.6	1379.3	1393.2	1395.9	1406.8	1406.8	1411.6
32.5°	1498.2	1510.1	1530.7	1551.9	1581.6	1602.9	1602.9	1613.9
35°	1779.1	1783.8	1799.6	1803.1	1809.3	1816.2	1809.3	1814.8
37.5°	1994.4	1973.1	1957.9	1936.6	1923.5	1923.5	1924.9	1923.5
40°	2104.5	2096.2	2089.3	2071.3	2068.6	2068.0	2068.0	2070.7
42.5°	2301.1	2281.2	2270.3	2255.0	2250.2	2248.9	2248.2	2249.5
45°	2557.1	2524.8	2495.1	2480.0	2466.9	2454.5	2458.7	2458.7
47.5°	2854.9	2804.8	2756.6	2730.4	2707.8	2697.4	2690.6	2688.5
50°	3217.5	3147.4	3085.4	3036.5	3003.5	3002.9	3006.2	2984.2
52.5°	3662.0	3551.1	3474.1	3408.1	3377.0	3373.7	3362.7	3350.3
55°	4154.4	4023.0	3895.8	3825.0	3784.4	3762.3	3749.2	3728.6
57.5°	4662.2	4485.4	4302.4	4188.8	4117.3	4067.8	4041.7	4029.9
60°	5053.7	4812.1	4570.7	4388.4	4269.3	4195.6	4150.3	4131.7
62.5°	5207.7	4880.2	4570.7	4331.3	4159.3	4057.4	3996.3	3969.4
65°	5024.0	4636.1	4283.7	4019.7	3827.7	3714.2	3647.5	3618.5
67.5°	4510.8	4168.3	3785.1	3522.3	3324.8	3212.6	3140.5	3119.1
70°	3781.6	3431.5	3065.4	2830.9	2654.7	2563.3	2488.3	2479.4
72.5°	2841.9	2539.9	2226.1	2032.1	1890.5	1739.1	1700.5	1719.8
75°	1821.7	1538.9	1259.7	1084.9	955.5	811.1	755.3	769.1
77.5°	862.7	668.0	482.3	372.8	313.0	267.6	256.0	249.0
80°	319.9	259.3	229.0	217.4	209.1	201.7	196.1	189.8
82.5°	207.2	202.3	196.1	194.0	187.8	178.2	160.3	152.7
85°	154.8	154.8	146.5	147.2	142.4	130.1	113.5	104.6
87.5°	45.4	40.6	37.1	34.4	33.8	30.3	22.0	19.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)