

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: P150477

Luminaire Tested: **VXS-F05-LED-E1-SL3-HSS-7060**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P150477
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)
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-SL3-HSS-7060
Description: VISION SITE SMALL LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (35) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7343.3 lumens
Efficiency: N/A
Efficacy: 55.1 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - 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



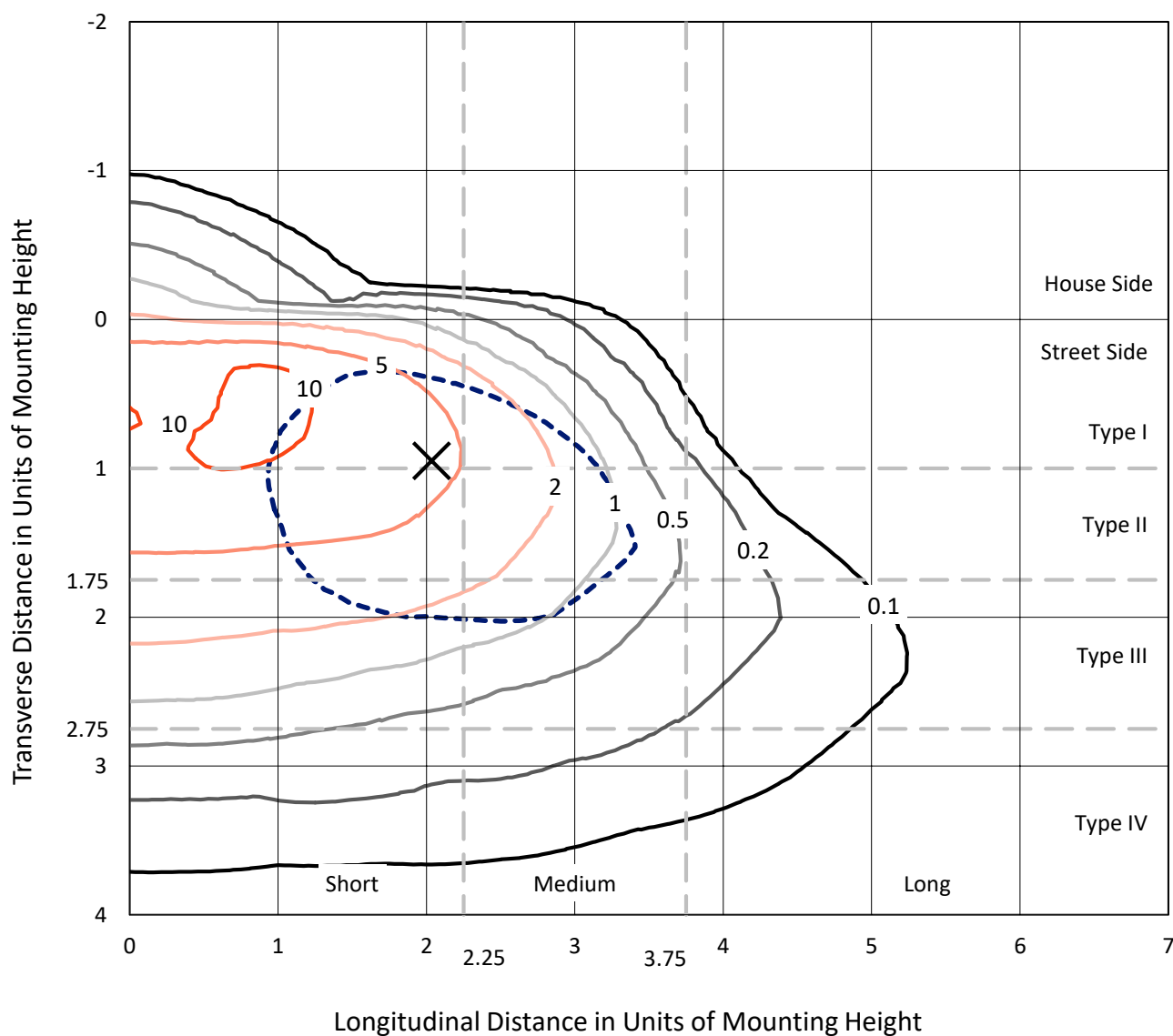
REPORT NUMBER: P150477

CATALOG NUMBER: VXS-F05-LED-E1-SL3-HSS-7060

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

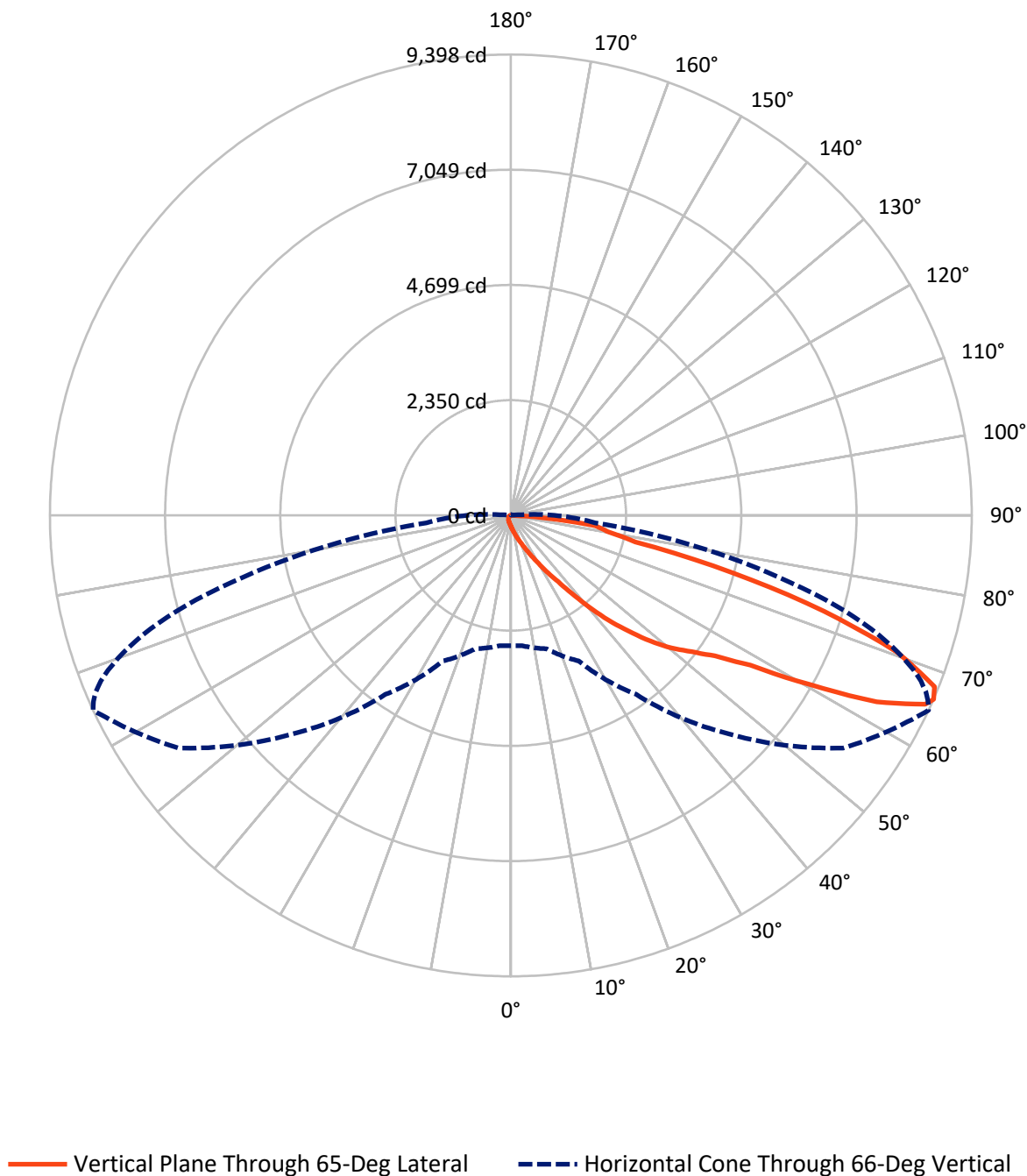


Based on 10 foot mounting height. Maximum calculated value = 12.1 fc
Type III - Short - Non-Cutoff

REPORT NUMBER: P150477

CATALOG NUMBER: VXS-F05-LED-E1-SL3-HSS-7060

Luminous Intensity Polar Plot



REPORT NUMBER: P150477

CATALOG NUMBER: VXS-F05-LED-E1-SL3-HSS-7060

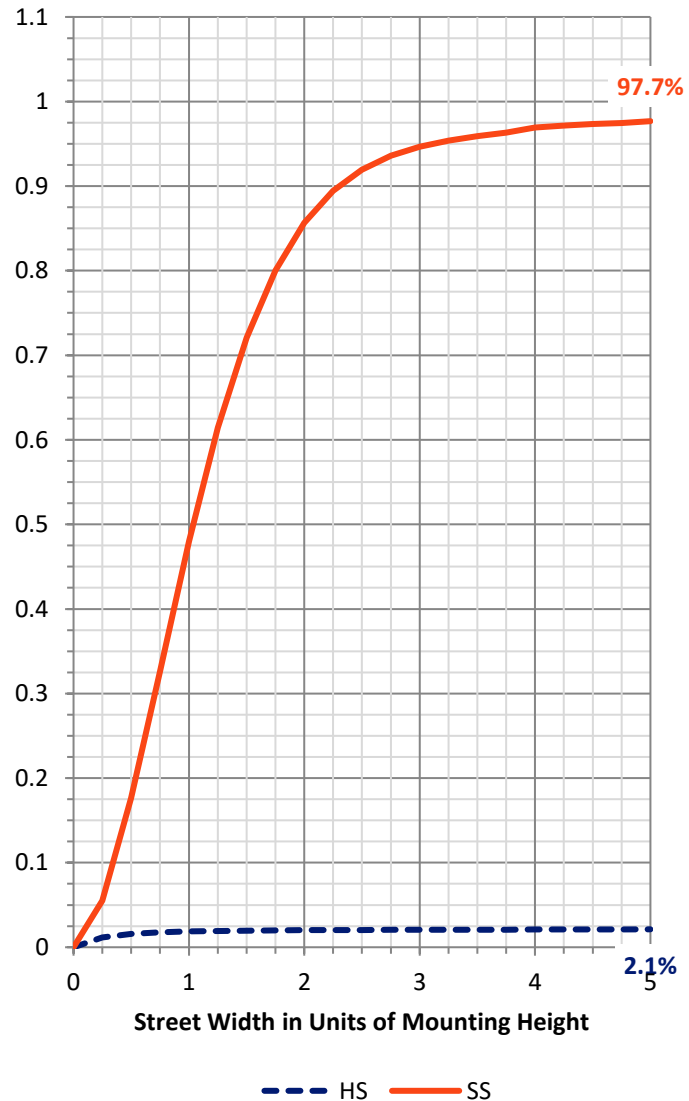
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	159.1	0.0	159.1
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	7184.2	0.0	7184.2
	% Fixture	97.8	0.0	97.8
Total	Lumens	7343.3	0.0	7343.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.8	0.3
10°-20°	105.2	1.4
20°-30°	226.9	3.1
30°-40°	484.6	6.6
40°-50°	1071.7	14.6
50°-60°	1816.1	24.7
60°-70°	2423.5	33.0
70°-80°	1067.5	14.5
80°-90°	123.0	1.7
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°	7343.3	100.0
0°-180°	7343.3	100.0

Coefficient of Utilization



REPORT NUMBER: P150477

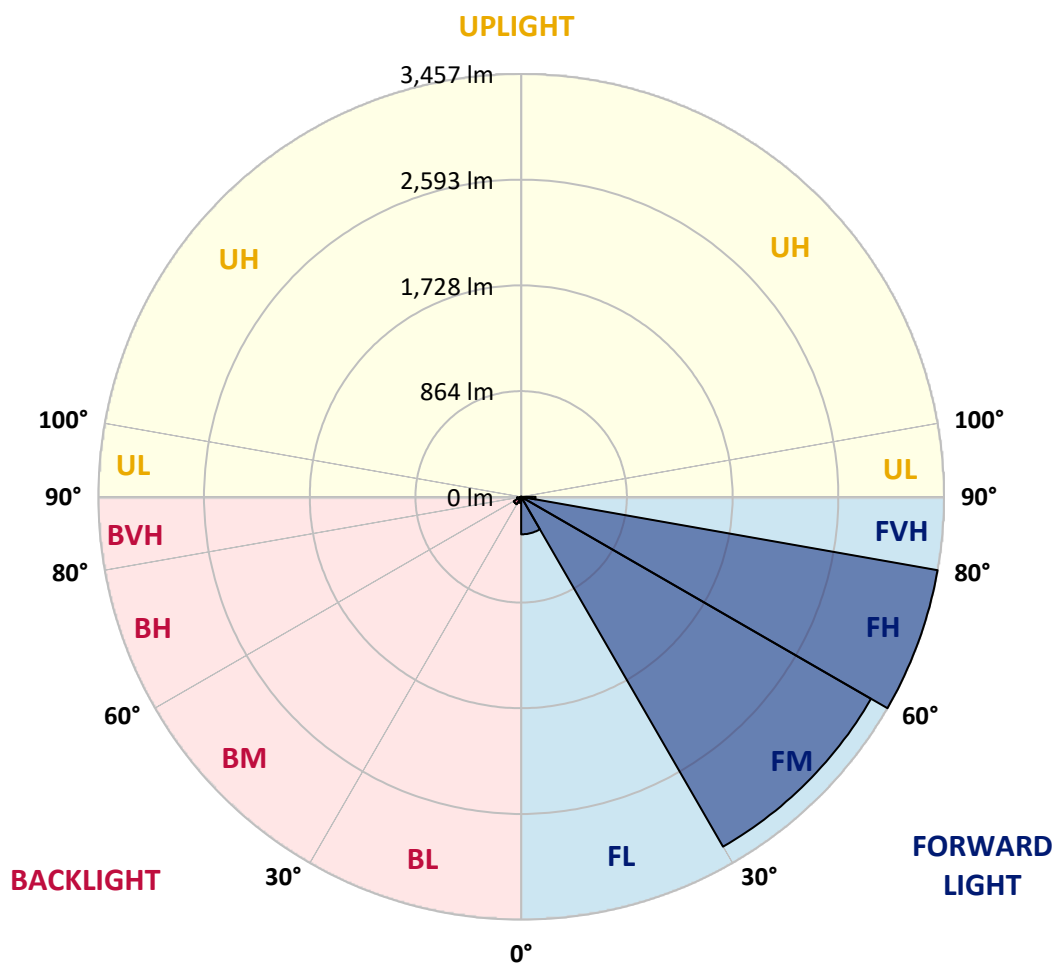
CATALOG NUMBER: VXS-F05-LED-E1-SL3-HSS-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	306.7	4.2			
FM	(30°-60°)	3302.6	45.0			
FH	(60°-80°)	3456.9	47.1			G2/5000
FVH	(80°-90°)	118.1	1.6			G2/225
BL	(0°-30°)	50.2	0.7	B0/110		
BM	(30°-60°)	69.9	1.0	B0/220		
BH	(60°-80°)	34.1	0.5	B0/110		G0/110
BVH	(80°-90°)	4.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type III Short



REPORT NUMBER: P150477

CATALOG NUMBER: VXS-F05-LED-E1-SL3-HSS-7060

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7
2.5°	279.6	278.1	272.4	272.4	264.0	258.3	251.3	244.2	244.2	242.8	241.5
5°	369.8	361.5	360.0	344.5	331.8	313.4	296.5	273.9	271.1	268.3	266.8
7.5°	470.2	468.7	456.0	437.6	412.2	378.3	344.5	307.8	302.1	299.3	293.7
10°	600.0	593.0	576.1	545.0	506.8	461.7	406.6	348.7	341.7	336.0	333.2
12.5°	724.2	711.5	701.7	662.2	614.1	547.8	481.5	398.1	392.4	385.4	374.1
15°	840.0	828.7	811.8	777.9	724.2	640.9	563.3	461.7	447.6	437.6	429.2
17.5°	930.4	923.3	903.5	865.4	807.6	734.1	640.9	526.6	515.3	502.6	487.0
20°	1016.5	1006.6	975.5	923.3	861.2	804.8	732.7	611.3	595.8	580.2	563.3
22.5°	1098.3	1088.5	1037.6	951.5	885.2	861.2	835.8	707.4	683.3	670.6	653.7
25°	1212.7	1191.5	1112.5	975.5	886.6	905.0	948.7	831.5	808.9	790.6	763.7
27.5°	1366.6	1338.3	1214.1	1010.9	892.2	953.0	1078.7	982.6	958.7	937.4	907.8
30°	1540.3	1521.9	1373.7	1095.5	933.2	1023.5	1224.0	1174.6	1146.4	1120.9	1085.7
32.5°	1715.3	1689.9	1543.1	1256.5	1043.3	1160.5	1406.1	1397.7	1360.9	1337.0	1298.9
35°	1869.2	1856.5	1747.8	1520.5	1294.6	1400.5	1649.0	1658.9	1626.4	1600.9	1558.7
37.5°	1973.7	1973.7	1952.5	1804.2	1694.2	1773.2	2006.1	2007.6	1975.1	1917.2	1896.1
40°	2027.4	2042.9	2119.1	2147.4	2141.7	2243.3	2474.9	2449.4	2422.6	2393.0	2322.4
42.5°	2137.4	2151.6	2313.9	2508.7	2635.9	2769.9	2929.4	2921.0	2888.5	2834.9	2769.9
45°	2323.8	2342.2	2535.5	2844.8	3105.9	3296.6	3398.1	3358.7	3326.2	3275.3	3241.5
47.5°	2561.0	2596.3	2815.1	3197.7	3512.5	3827.4	3933.3	3828.8	3800.5	3761.0	3705.9
50°	2813.7	2847.6	3080.5	3518.2	3874.0	4249.5	4426.0	4249.5	4208.6	4195.9	4133.7
52.5°	3032.5	3060.7	3285.3	3765.3	4150.7	4591.2	4848.1	4615.1	4585.5	4543.1	4497.9
55°	3162.4	3185.0	3395.3	3883.8	4338.4	4899.0	5256.1	5051.4	5007.7	4990.7	4925.7
57.5°	3206.2	3228.8	3417.9	3899.4	4440.1	5179.9	5751.6	5758.7	5706.4	5645.8	5626.0
60°	3206.2	3231.6	3391.1	3861.2	4539.0	5479.2	6412.3	7001.0	6888.2	6876.9	6804.9
62.5°	3073.5	3097.5	3258.4	3744.0	4671.6	5882.9	7332.8	8371.9	8339.5	8266.0	8147.5
65°	2785.5	2799.6	2957.7	3444.8	4620.8	6254.2	8130.5	9283.9	9231.7	9087.7	8935.2
66°	2655.5	2666.8	2815.1	3274.0	4454.2	6305.1	8271.7	9398.3	9312.2	9190.8	9018.5
67.5°	2467.8	2487.6	2592.0	2956.3	4054.7	6128.6	8182.8	9317.8	9243.0	9096.2	8923.9
70°	1647.6	1633.5	2002.0	2268.7	3089.0	4993.5	7341.3	8366.3	8367.7	8298.5	8229.3
72.5°	782.2	790.6	897.9	1396.3	2021.7	3336.1	5843.4	6677.8	6773.8	6649.5	6563.4
75°	561.9	574.6	639.6	854.1	1205.7	2002.0	3787.9	4670.3	4673.1	4452.7	4256.6
77.5°	163.7	170.8	240.0	526.6	903.5	1351.1	2175.5	2596.3	2535.5	2377.4	2229.2
80°	67.8	67.8	70.6	168.0	362.8	917.6	1521.9	1999.1	1992.0	1931.3	1843.8
82.5°	25.4	26.8	33.9	69.2	86.1	225.9	1015.1	1735.1	1730.9	1644.8	1582.6
85°	2.8	2.8	8.5	29.6	32.4	42.4	203.3	765.2	760.9	765.2	670.6
87.5°	0.0	0.0	1.5	2.8	4.2	5.6	8.5	29.6	32.4	31.1	28.2
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: P150477

CATALOG NUMBER: VXS-F05-LED-E1-SL3-HSS-7060

CANDELA DISTRIBUTION (continued):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7
2.5°	241.5	238.5	238.5	237.2	237.2	237.2	235.8	234.4	234.4	233.0	231.5
5°	264.0	261.1	259.8	257.0	255.5	254.1	251.3	249.8	247.0	245.7	244.2
7.5°	290.9	285.2	283.7	279.6	275.3	272.4	269.6	265.4	262.6	257.0	255.5
10°	324.7	317.6	312.0	306.3	302.1	295.0	290.9	285.2	279.6	275.3	271.1
12.5°	368.5	358.5	350.2	344.5	334.6	326.1	317.6	313.4	302.1	296.5	289.4
15°	416.5	405.2	395.3	384.0	377.0	362.8	351.5	338.9	333.2	323.3	312.0
17.5°	478.5	460.2	444.7	433.5	419.3	405.2	392.4	379.8	362.8	351.5	337.4
20°	545.0	529.4	508.3	488.5	471.5	454.6	436.3	419.3	403.7	385.4	368.5
22.5°	629.6	607.0	581.7	561.9	539.3	520.9	495.5	473.0	447.6	423.5	403.7
25°	737.0	707.4	683.3	655.0	628.3	600.0	568.9	540.7	508.3	485.7	451.8
27.5°	869.6	841.5	808.9	772.2	745.4	703.1	662.2	626.8	588.7	553.5	515.3
30°	1039.1	998.1	964.2	928.9	875.3	834.4	786.3	738.3	686.1	650.9	593.0
32.5°	1242.4	1198.7	1147.8	1097.0	1047.6	989.6	930.4	871.1	813.2	748.3	688.9
35°	1490.9	1438.7	1380.7	1325.7	1249.4	1187.4	1112.5	1030.6	965.7	890.9	816.1
37.5°	1819.8	1733.7	1682.9	1625.0	1521.9	1437.2	1353.9	1272.0	1157.7	1078.7	972.7
40°	2232.0	2181.2	2097.9	2004.8	1911.6	1800.0	1687.0	1578.3	1445.7	1335.5	1212.7
42.5°	2716.3	2641.5	2556.8	2422.6	2328.1	2196.8	2068.3	1924.2	1762.0	1620.7	1476.7
45°	3170.9	3082.0	3017.0	2882.9	2784.0	2628.8	2473.5	2321.0	2133.3	1951.1	1784.5
47.5°	3662.2	3588.8	3481.5	3372.7	3272.5	3097.5	2929.4	2744.6	2546.8	2330.9	2114.8
50°	4094.2	4036.3	3962.9	3831.6	3720.1	3573.3	3375.6	3173.7	2923.8	2709.2	2463.6
52.5°	4461.2	4416.1	4313.1	4219.9	4119.6	3981.2	3804.8	3611.4	3341.8	3105.9	2826.4
55°	4894.7	4862.2	4771.8	4714.0	4625.1	4492.3	4327.2	4147.9	3862.7	3605.7	3289.4
57.5°	5604.8	5579.4	5500.3	5476.4	5388.8	5273.1	5069.7	4877.7	4544.6	4225.5	3864.0
60°	6780.8	6730.1	6614.3	6554.9	6370.1	6214.7	5950.7	5686.7	5284.4	4877.7	4442.9
62.5°	8040.2	7897.6	7677.3	7488.2	7225.6	6955.9	6603.0	6199.2	5727.7	5244.8	4745.1
65°	8719.3	8476.4	8198.2	7897.6	7557.3	7160.6	6715.9	6231.6	5724.9	5215.1	4687.2
66°	8796.9	8523.0	8228.0	7893.4	7514.9	7092.8	6641.0	6132.8	5606.2	5109.3	4581.2
67.5°	8699.5	8412.8	8100.8	7729.5	7320.1	6882.5	6408.1	5880.1	5373.3	4869.2	4355.3
70°	8017.6	7732.4	7454.3	7063.2	6626.9	6186.4	5737.5	5147.4	4667.4	4204.4	3746.9
72.5°	6402.5	6209.0	5933.8	5599.2	5174.2	4657.5	4283.4	3755.3	3338.9	2889.9	2535.5
75°	4001.0	3728.5	3388.3	2962.0	2637.2	2217.9	1999.1	1598.1	1360.9	1153.5	953.0
77.5°	2045.7	1840.9	1602.4	1362.4	1132.2	903.5	698.9	494.1	333.2	231.5	172.2
80°	1689.9	1509.2	1311.6	1092.7	889.4	690.4	497.0	338.9	216.0	141.1	110.2
82.5°	1396.3	1243.8	1067.4	864.0	687.6	542.2	377.0	245.7	152.4	98.9	77.6
85°	594.4	539.3	416.5	330.4	248.5	183.5	128.5	86.1	60.7	49.4	45.2
87.5°	25.4	28.2	26.8	21.1	15.5	15.5	14.1	11.3	11.3	11.3	11.3
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: P150477

CATALOG NUMBER: VXS-F05-LED-E1-SL3-HSS-7060

CANDELA DISTRIBUTION (continued):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7
2.5°	231.5	230.2	228.7	228.7	227.3	225.9	217.4	210.4	201.9	196.3	190.6
5°	241.5	240.0	237.2	235.8	233.0	231.5	213.2	197.6	185.0	175.0	168.0
7.5°	251.3	249.8	245.7	241.5	240.0	237.2	207.6	187.8	170.8	159.5	152.4
10°	264.0	259.8	255.5	249.8	245.7	241.5	201.9	176.5	158.1	148.2	141.1
12.5°	282.4	275.3	268.3	261.1	255.5	248.5	199.1	166.6	148.2	137.0	129.8
15°	303.5	293.7	285.2	276.7	266.8	259.8	193.4	158.1	139.8	128.5	120.0
17.5°	323.3	312.0	299.3	286.6	276.7	266.8	187.8	149.6	131.3	120.0	111.5
20°	351.5	334.6	319.1	303.5	289.4	276.7	179.3	141.1	124.2	111.5	103.1
22.5°	382.6	362.8	343.1	321.9	303.5	286.6	172.2	134.1	117.2	104.5	94.6
25°	422.2	398.1	371.3	344.5	323.3	300.7	165.2	127.0	110.2	97.4	87.6
27.5°	477.2	443.3	413.7	379.8	347.3	321.9	159.5	121.5	103.1	90.4	80.5
30°	552.0	502.6	456.0	419.3	381.1	344.5	153.9	114.4	97.4	83.3	72.0
32.5°	635.3	577.4	523.7	468.7	420.7	378.3	148.2	108.7	90.4	76.3	66.3
35°	738.3	665.0	593.0	529.4	471.5	415.0	142.6	103.1	84.7	69.2	59.3
37.5°	886.6	794.8	700.2	618.3	543.5	468.7	138.3	97.4	77.6	62.1	52.2
40°	1089.9	971.3	855.5	744.0	646.6	553.5	132.7	91.8	72.0	56.5	46.6
42.5°	1310.2	1166.1	1013.7	888.0	753.9	636.7	127.0	86.1	66.3	50.8	40.9
45°	1584.0	1404.8	1219.8	1048.9	885.2	734.1	121.5	80.5	59.3	45.2	35.3
47.5°	1883.3	1654.6	1445.7	1231.1	1036.3	855.5	114.4	76.3	53.7	39.5	31.1
50°	2191.1	1949.6	1685.7	1441.5	1209.9	977.0	107.3	69.2	48.0	35.3	25.4
52.5°	2522.9	2237.7	1968.1	1664.5	1394.8	1136.5	100.2	63.5	43.7	31.1	21.1
55°	2945.0	2625.9	2309.7	1969.4	1644.8	1321.5	93.2	56.5	38.1	26.8	16.9
57.5°	3475.9	3097.5	2709.2	2325.2	1931.3	1564.2	87.6	49.4	32.4	22.6	14.1
60°	3977.0	3535.1	3065.0	2623.1	2178.4	1750.7	79.1	43.7	28.2	18.3	14.1
62.5°	4236.8	3732.7	3225.9	2738.9	2264.6	1817.0	70.6	36.7	24.0	15.5	12.7
65°	4173.3	3659.4	3168.1	2676.8	2212.2	1774.6	62.1	32.4	21.1	14.1	12.7
66°	4081.5	3573.3	3079.2	2611.8	2168.5	1729.4	57.9	31.1	19.8	14.1	11.3
67.5°	3881.0	3389.7	2918.1	2483.3	2048.5	1643.3	52.2	28.2	18.3	12.7	11.3
70°	3314.9	2868.8	2491.8	2105.0	1750.7	1385.0	42.4	24.0	15.5	11.3	11.3
72.5°	2193.9	1890.4	1639.1	1410.4	1178.9	914.8	35.3	19.8	12.7	11.3	9.8
75°	827.4	748.3	642.4	577.4	504.0	441.9	28.2	12.7	9.8	9.8	9.8
77.5°	146.8	135.5	120.0	110.2	101.7	93.2	22.6	8.5	8.5	9.8	9.8
80°	98.9	91.8	83.3	76.3	70.6	63.5	15.5	7.0	8.5	8.5	9.8
82.5°	70.6	66.3	62.1	56.5	52.2	46.6	9.8	7.0	8.5	8.5	8.5
85°	42.4	39.5	36.7	33.9	29.6	28.2	7.0	7.0	7.0	8.5	8.5
87.5°	11.3	9.8	11.3	11.3	8.5	9.8	5.6	5.6	5.6	7.0	7.0
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: P150477

CATALOG NUMBER: VXS-F05-LED-E1-SL3-HSS-7060

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	221.7	221.7	221.7	221.7	221.7
2.5°	187.8	187.8	185.0	189.2	189.2
5°	162.4	162.4	160.9	162.4	162.4
7.5°	148.2	146.8	146.8	146.8	148.2
10°	135.5	134.1	134.1	134.1	134.1
12.5°	124.2	122.8	121.5	122.8	122.8
15°	114.4	111.5	111.5	111.5	111.5
17.5°	105.9	103.1	101.7	101.7	101.7
20°	97.4	93.2	93.2	93.2	93.2
22.5°	88.9	84.7	84.7	84.7	84.7
25°	80.5	76.3	76.3	76.3	76.3
27.5°	73.4	69.2	69.2	69.2	69.2
30°	65.0	62.1	62.1	63.5	62.1
32.5°	59.3	55.0	55.0	56.5	56.5
35°	52.2	49.4	49.4	49.4	49.4
37.5°	45.2	42.4	42.4	42.4	42.4
40°	39.5	36.7	35.3	36.7	36.7
42.5°	33.9	31.1	29.6	29.6	29.6
45°	29.6	25.4	24.0	25.4	25.4
47.5°	24.0	21.1	21.1	22.6	22.6
50°	18.3	18.3	19.8	22.6	22.6
52.5°	16.9	16.9	19.8	22.6	22.6
55°	15.5	16.9	19.8	21.1	22.6
57.5°	14.1	16.9	19.8	21.1	21.1
60°	14.1	15.5	18.3	21.1	21.1
62.5°	12.7	14.1	16.9	19.8	19.8
65°	12.7	14.1	16.9	19.8	19.8
66°	12.7	14.1	16.9	19.8	19.8
67.5°	12.7	14.1	16.9	19.8	19.8
70°	12.7	14.1	16.9	18.3	18.3
72.5°	11.3	12.7	15.5	18.3	18.3
75°	11.3	12.7	15.5	18.3	18.3
77.5°	11.3	12.7	15.5	18.3	18.3
80°	11.3	12.7	15.5	16.9	18.3
82.5°	9.8	12.7	14.1	16.9	16.9
85°	9.8	11.3	14.1	15.5	16.9
87.5°	8.5	9.8	11.3	14.1	14.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)