

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: P151000

Luminaire Tested: **VXS-E01-LED-E1-SL3**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P151000
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33679)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-E01-LED-E1-SL3
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3036.2 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type III - 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: 25 FT

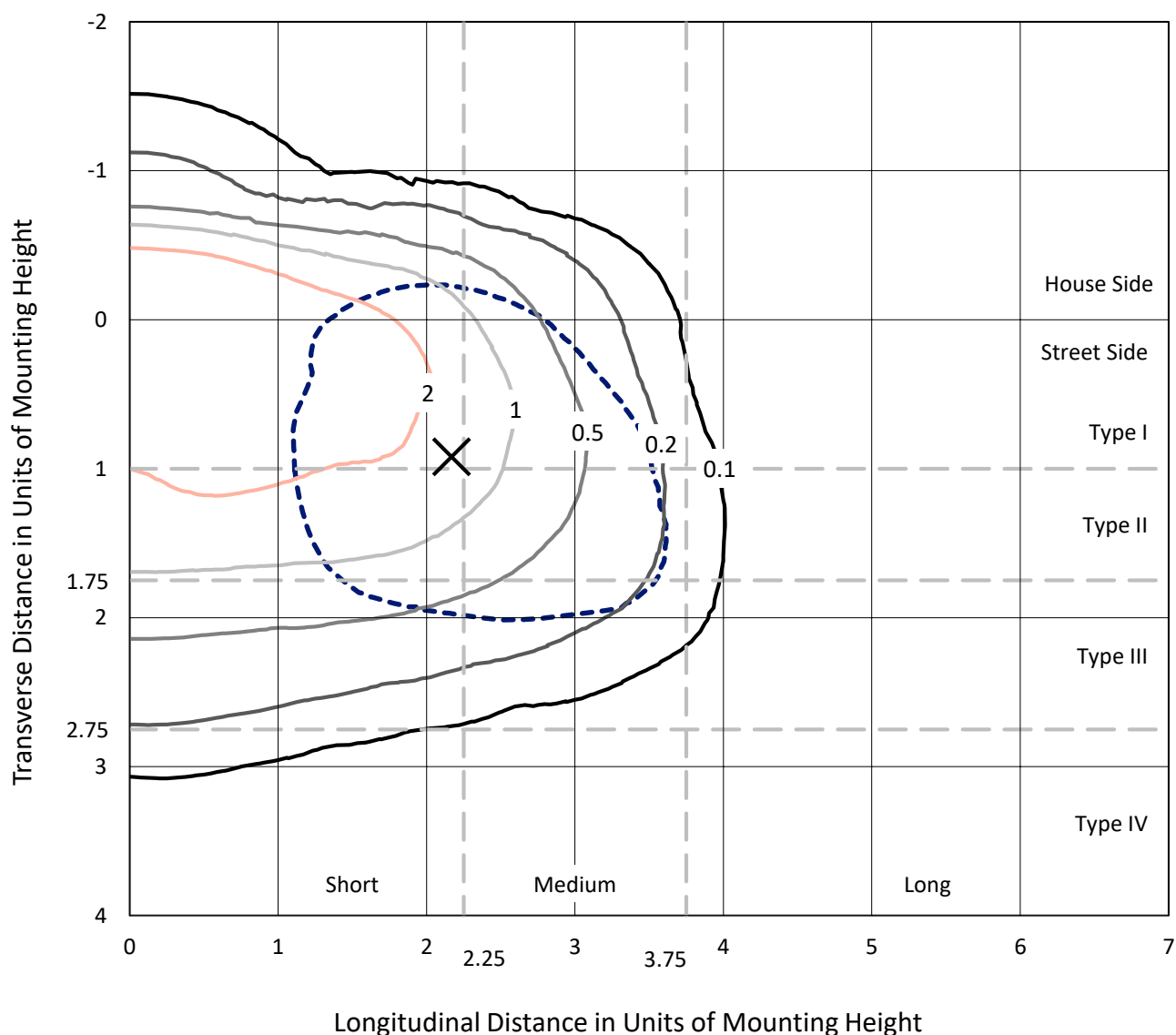


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

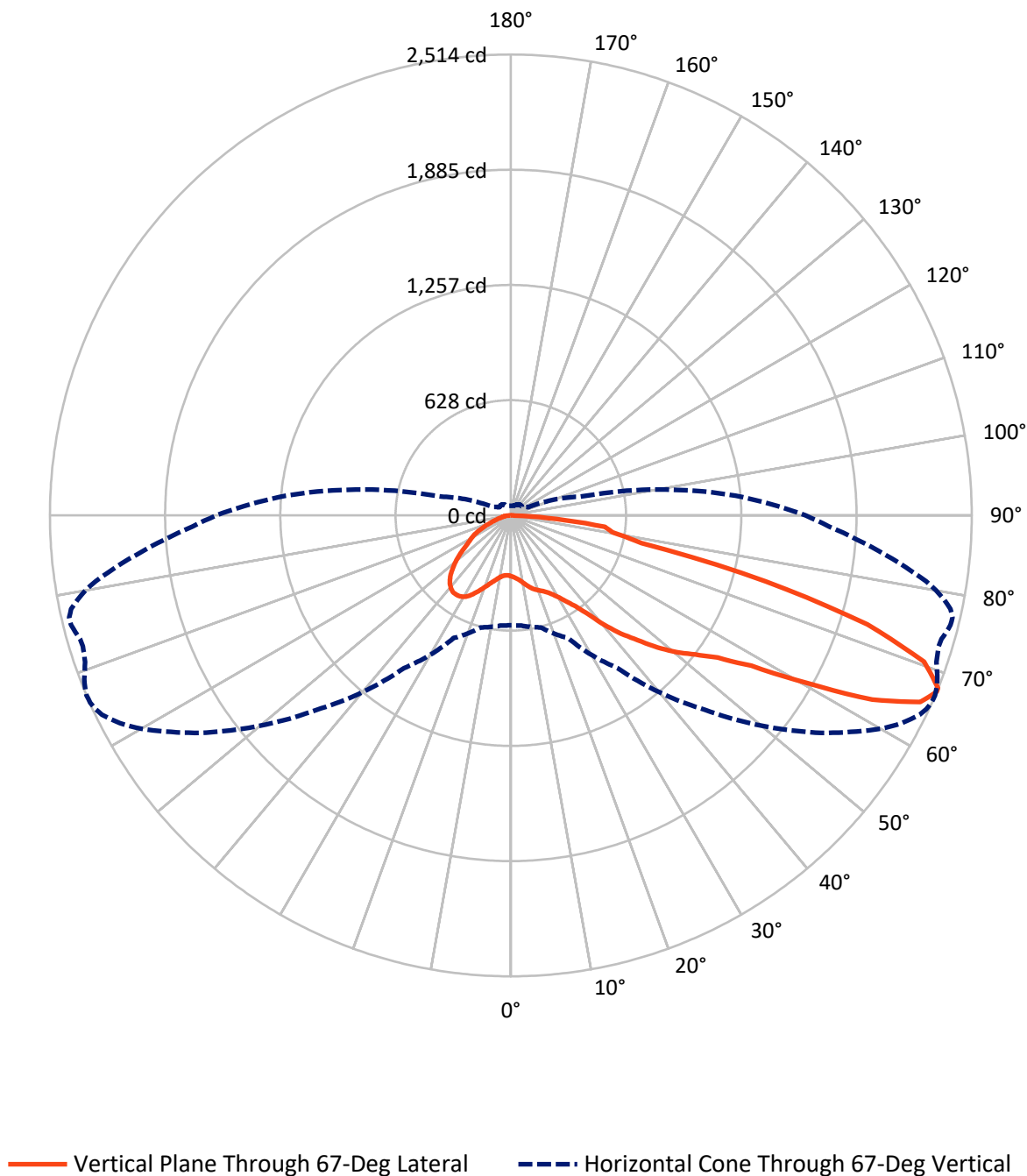


Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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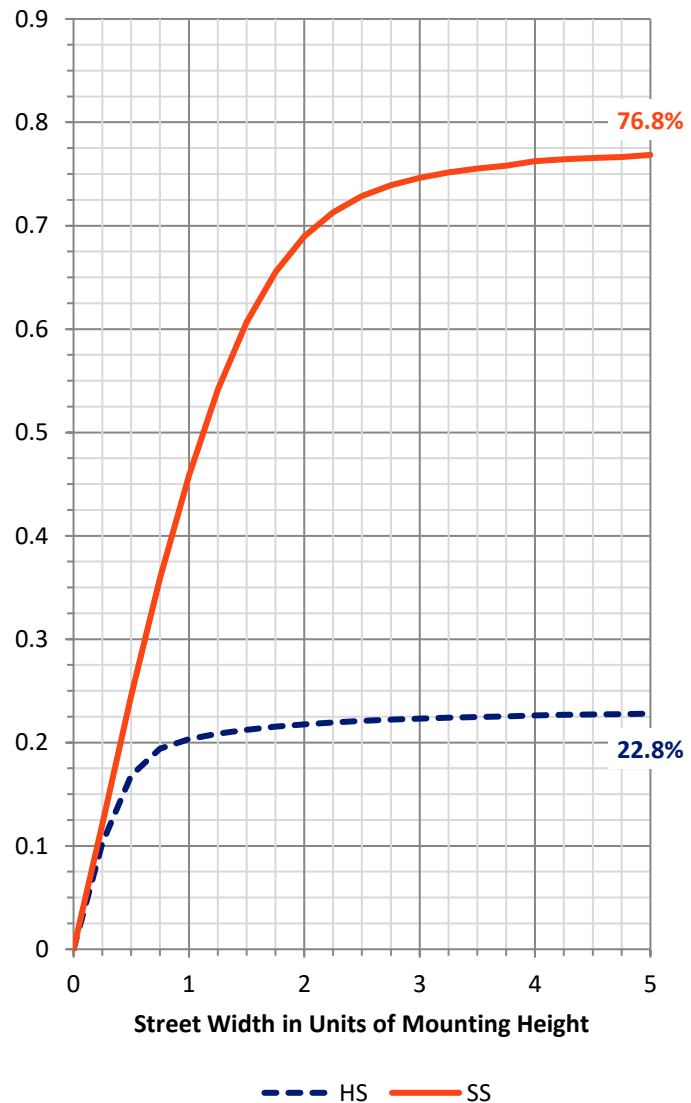
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	700.6	0.0	700.6
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	2335.5	0.0	2335.5
	% Fixture	76.9	0.0	76.9
Total	Lumens	3036.2	0.0	3036.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.0	1.1
10°-20°	113.2	3.7
20°-30°	199.9	6.6
30°-40°	287.0	9.5
40°-50°	435.8	14.4
50°-60°	641.7	21.1
60°-70°	852.8	28.1
70°-80°	417.2	13.7
80°-90°	55.4	1.8
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°	3036.2	100.0
0°-180°	3036.2	100.0

Coefficient of Utilization



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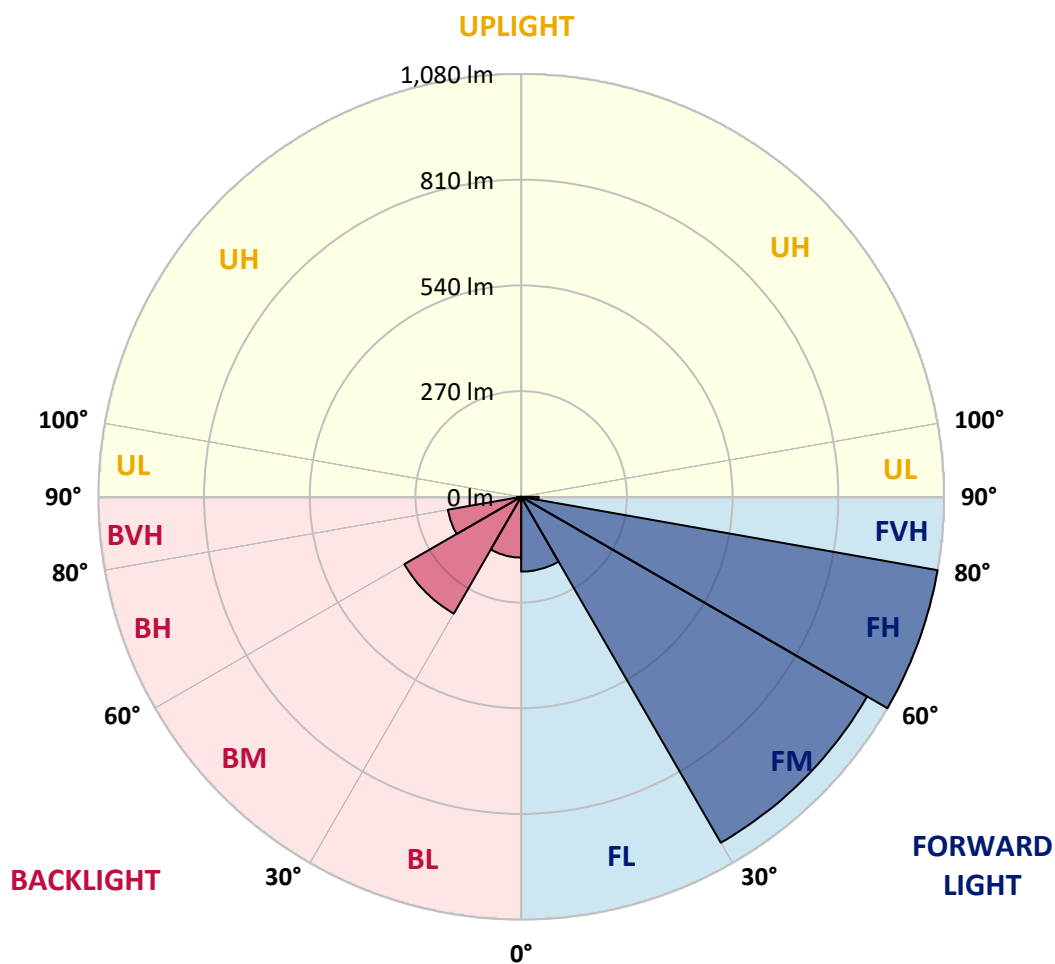
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	191.0	6.3			
FM	(30°-60°)	1020.1	33.6			
FH	(60°-80°)	1079.9	35.6			G1/1800
FVH	(80°-90°)	44.5	1.5			G1/100
BL	(0°-30°)	155.2	5.1	B1/500		
BM	(30°-60°)	344.5	11.3	B1/1000		
BH	(60°-80°)	190.1	6.3	B1/500		G1/500
BVH	(80°-90°)	10.9	0.4			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	331.7	331.7	331.7	331.7	331.7	331.7	331.7	331.7	331.7	331.7	331.7
2.5°	347.4	347.7	347.0	346.6	344.7	342.7	341.3	339.7	339.7	339.7	339.0
5°	367.0	365.7	366.6	364.4	360.3	356.7	353.0	350.1	349.3	349.3	348.0
7.5°	390.7	389.0	388.3	385.0	379.0	373.7	366.3	363.3	361.7	361.0	360.3
10°	419.4	419.4	415.0	409.3	401.3	392.0	384.0	378.7	378.3	378.3	375.3
12.5°	448.7	449.3	443.6	438.0	425.0	412.6	403.3	397.3	397.0	395.6	394.0
15°	475.6	474.0	470.4	462.0	447.7	433.0	421.3	415.3	414.0	412.6	411.7
17.5°	498.0	496.4	491.7	481.0	466.0	448.7	434.3	428.0	427.4	426.6	425.3
20°	512.0	510.7	504.0	491.7	476.0	458.3	443.0	438.7	437.3	437.3	436.7
22.5°	520.0	518.0	508.3	492.0	476.7	463.6	451.0	448.3	447.4	447.7	447.7
25°	524.0	522.4	508.7	485.3	470.7	467.0	461.7	460.0	460.3	460.6	461.3
27.5°	524.7	522.4	506.3	476.7	463.0	473.4	477.0	479.7	479.7	481.0	483.3
30°	519.7	517.0	501.7	470.1	459.7	486.0	500.6	507.7	510.4	509.6	515.0
32.5°	511.0	509.3	497.0	470.1	469.0	511.0	537.0	547.0	548.3	549.0	555.0
35°	508.0	507.7	502.4	486.0	498.0	555.0	594.7	602.4	604.0	604.0	608.3
37.5°	507.4	509.0	515.0	516.0	549.0	620.3	672.3	684.0	684.0	687.4	687.4
40°	507.4	511.0	533.7	560.6	611.3	705.3	777.3	790.7	790.7	794.3	792.3
42.5°	527.0	532.3	569.6	621.0	689.9	793.0	875.6	890.7	891.7	890.7	893.7
45°	565.7	570.4	615.6	689.3	771.0	887.0	969.6	987.7	984.0	986.3	987.4
47.5°	617.0	624.4	676.0	764.0	849.9	974.0	1075.0	1091.3	1089.9	1091.0	1086.6
50°	671.7	679.4	737.0	838.0	928.7	1044.0	1159.7	1184.0	1181.7	1183.3	1185.7
52.5°	720.0	724.7	780.3	893.7	988.3	1109.3	1224.7	1255.0	1260.3	1261.0	1262.7
55°	748.7	754.3	805.3	921.3	1031.7	1173.4	1299.0	1345.0	1355.3	1358.0	1365.3
57.5°	758.7	764.7	811.0	925.3	1055.3	1233.4	1402.7	1483.6	1492.3	1506.6	1529.9
60°	758.3	764.7	805.0	916.4	1079.4	1307.7	1564.0	1699.7	1743.6	1758.3	1791.7
62.5°	727.4	734.7	775.6	889.0	1109.9	1402.7	1804.0	2012.6	2069.3	2096.0	2132.0
65°	659.4	664.7	703.0	819.7	1101.3	1496.4	2004.7	2265.0	2316.7	2355.6	2420.0
67°	599.0	602.4	632.3	737.6	1016.7	1499.7	2068.0	2327.7	2372.6	2414.0	2480.3
67.5°	583.6	590.7	614.0	712.6	985.0	1480.6	2063.6	2318.0	2364.0	2407.0	2477.0
70°	475.0	485.0	496.7	563.0	774.3	1245.7	1910.7	2150.7	2191.0	2231.0	2328.7
72.5°	293.0	311.0	313.4	355.3	504.0	861.0	1546.0	1813.7	1844.0	1872.6	1972.6
75°	172.6	175.3	183.6	217.6	295.6	514.7	1037.3	1347.4	1375.3	1389.3	1467.7
77.5°	96.4	99.0	106.0	135.3	227.4	346.6	604.0	791.7	808.7	826.3	813.7
80°	40.0	43.6	47.0	54.7	106.3	273.7	415.3	503.3	514.3	524.7	537.6
82.5°	19.4	20.6	25.3	29.0	38.7	112.3	325.7	436.4	449.3	464.4	494.7
85°	9.0	9.9	14.0	16.7	18.7	28.3	109.0	212.3	230.4	233.7	239.7
87.5°	0.6	0.6	1.7	2.4	3.3	3.6	11.3	16.0	18.0	16.4	20.6
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	331.7	331.7	331.7	331.7	331.7	331.7	331.7	331.7	331.7	331.7	331.7
2.5°	338.7	338.3	337.6	337.6	337.3	337.3	337.3	336.7	336.7	336.7	336.4
5°	347.7	347.4	346.3	346.3	345.7	345.7	344.7	344.4	343.6	343.6	343.3
7.5°	359.4	359.0	357.6	357.6	356.7	356.4	355.6	354.7	354.7	354.0	353.4
10°	375.3	374.3	374.0	372.3	372.6	372.0	371.3	370.4	369.6	369.0	368.3
12.5°	393.4	393.4	391.7	390.7	391.3	390.7	389.3	389.0	388.0	388.0	387.0
15°	410.4	410.4	409.6	408.3	408.7	407.7	407.4	406.6	405.3	405.7	405.3
17.5°	425.0	425.0	424.0	423.3	423.3	422.4	422.7	422.0	421.3	421.0	420.0
20°	436.7	436.7	436.0	435.3	435.6	435.6	434.7	434.7	434.7	434.0	434.0
22.5°	448.0	448.3	448.3	448.3	448.7	449.0	448.7	449.3	449.0	449.6	449.6
25°	463.0	464.0	464.7	464.7	466.3	466.6	467.0	468.0	468.0	469.0	469.3
27.5°	485.3	486.0	488.7	489.3	489.6	492.3	492.6	494.0	495.3	495.6	496.0
30°	516.0	517.6	519.7	521.0	521.0	524.4	525.7	525.0	528.7	529.6	531.0
32.5°	557.0	558.3	560.3	561.7	563.0	564.7	565.0	566.6	569.6	572.3	570.7
35°	608.7	612.0	608.7	612.3	613.4	615.6	615.0	617.0	618.3	619.4	619.0
37.5°	683.6	682.0	681.3	680.0	677.6	685.7	681.7	681.3	679.4	685.0	681.3
40°	782.4	783.3	784.4	779.0	776.0	776.0	775.0	771.3	769.6	774.7	774.0
42.5°	885.3	886.3	881.7	878.3	870.7	869.6	865.0	864.0	862.4	865.0	862.4
45°	979.0	979.7	969.3	971.0	965.0	966.0	958.7	961.7	957.6	960.3	965.3
47.5°	1083.6	1085.0	1076.0	1079.7	1073.7	1070.1	1069.6	1071.7	1067.4	1070.1	1071.3
50°	1178.7	1177.0	1172.3	1173.4	1170.7	1171.3	1167.4	1171.0	1166.0	1171.3	1170.7
52.5°	1263.0	1261.0	1260.0	1263.3	1261.0	1261.0	1258.7	1260.3	1261.0	1269.0	1270.7
55°	1365.3	1367.0	1368.7	1374.7	1377.3	1373.0	1377.3	1385.7	1386.0	1405.0	1415.3
57.5°	1529.6	1541.3	1547.4	1551.0	1566.6	1565.0	1575.0	1595.0	1597.0	1641.0	1666.6
60°	1816.4	1837.0	1856.7	1846.0	1877.6	1887.4	1893.4	1930.7	1942.4	1984.0	2006.3
62.5°	2178.3	2180.6	2211.3	2201.7	2219.7	2215.3	2222.7	2239.7	2255.0	2289.3	2310.4
65°	2431.0	2442.0	2454.0	2441.7	2441.3	2426.6	2417.3	2417.0	2426.3	2433.7	2457.0
67°	2499.7	2510.7	2513.7	2504.7	2491.7	2473.0	2455.6	2446.6	2440.6	2444.0	2458.7
67.5°	2499.0	2509.3	2513.0	2504.4	2486.3	2470.7	2452.3	2442.0	2434.0	2435.6	2448.0
70°	2357.0	2379.4	2391.3	2394.0	2391.7	2364.4	2348.7	2339.4	2332.6	2316.4	2315.3
72.5°	1997.0	2024.0	2033.4	2048.3	2055.0	2014.7	1997.6	2008.0	1984.7	1933.0	1935.3
75°	1466.3	1468.3	1437.0	1431.0	1408.7	1317.3	1289.9	1265.0	1225.0	1162.7	1104.0
77.5°	764.4	764.0	728.0	709.6	683.0	628.0	625.3	580.6	549.3	492.3	471.7
80°	543.0	551.7	563.6	569.6	560.3	539.0	509.6	478.0	441.7	406.0	363.3
82.5°	505.0	510.4	516.7	493.4	480.3	450.4	428.0	382.0	356.4	315.6	272.6
85°	245.7	262.0	249.3	234.7	229.6	179.7	173.7	145.0	131.7	108.3	101.0
87.5°	15.6	19.4	17.3	15.6	13.7	7.7	10.4	7.4	7.7	5.7	5.0
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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CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	331.7	331.7	331.7	331.7	331.7	331.7	331.7	331.7	331.7	331.7	331.7
2.5°	336.4	336.0	335.6	335.3	335.0	335.0	334.7	334.3	334.0	333.4	333.4
5°	342.7	342.7	342.4	341.7	341.7	341.0	340.0	339.7	339.7	339.0	338.3
7.5°	353.0	352.6	352.0	351.7	351.0	350.4	349.6	349.0	348.7	347.7	347.4
10°	368.7	368.0	366.3	365.7	365.3	364.7	364.0	363.3	362.4	361.7	361.3
12.5°	386.3	386.0	384.7	385.3	383.6	383.0	382.4	380.6	381.3	380.0	379.4
15°	404.0	404.4	403.6	403.6	402.4	401.3	400.6	399.4	399.0	398.3	397.6
17.5°	419.7	420.3	419.4	418.7	418.0	417.3	416.0	414.7	414.7	413.4	412.6
20°	434.0	434.7	434.3	433.7	432.6	432.3	431.7	430.7	430.7	430.1	429.0
22.5°	450.4	450.7	450.7	450.4	449.3	449.6	449.0	448.0	448.3	447.0	447.0
25°	470.1	470.7	471.3	471.7	471.0	471.3	470.7	470.1	469.6	470.1	469.6
27.5°	497.0	497.6	499.7	498.0	499.7	500.0	499.0	497.6	498.7	500.3	499.4
30°	532.6	532.0	534.7	535.0	534.7	535.0	534.3	533.4	534.0	537.0	535.3
32.5°	572.6	574.0	574.7	575.3	576.4	577.6	576.7	575.6	577.3	576.4	578.7
35°	621.0	624.0	625.0	624.0	624.7	627.0	626.6	627.0	630.4	627.0	631.3
37.5°	682.0	685.0	687.4	686.0	687.7	687.7	690.4	697.6	693.0	699.0	703.6
40°	770.7	775.3	775.6	775.3	777.0	779.0	781.7	789.6	784.4	790.7	795.0
42.5°	862.0	867.7	869.6	866.3	870.1	874.3	874.7	881.7	882.0	883.0	885.3
45°	965.0	969.9	974.0	972.3	972.6	978.3	977.0	983.6	978.7	978.7	980.0
47.5°	1074.7	1079.4	1082.0	1084.7	1081.3	1086.3	1088.7	1087.4	1081.3	1080.0	1072.0
50°	1174.7	1178.7	1182.7	1190.1	1189.6	1192.0	1193.7	1187.7	1186.3	1179.0	1169.9
52.5°	1280.6	1291.0	1300.0	1315.3	1317.6	1325.7	1322.7	1312.6	1311.0	1299.0	1287.0
55°	1428.3	1458.0	1471.0	1494.7	1510.7	1510.4	1503.6	1502.0	1489.3	1465.3	1451.0
57.5°	1685.3	1731.7	1754.0	1784.7	1789.6	1786.6	1778.0	1762.7	1740.6	1700.3	1674.3
60°	2056.4	2085.0	2111.0	2118.3	2122.0	2116.4	2086.0	2052.0	2009.0	1953.4	1907.0
62.5°	2336.7	2366.0	2385.3	2382.4	2359.4	2330.4	2286.0	2229.0	2168.7	2106.3	2037.0
65°	2479.4	2491.7	2488.7	2465.3	2426.0	2375.3	2310.7	2240.3	2169.3	2095.6	2023.6
67°	2471.7	2472.0	2451.7	2406.3	2356.0	2292.3	2213.4	2136.7	2053.4	1976.0	1890.4
67.5°	2458.0	2456.7	2428.3	2378.7	2324.4	2258.7	2176.7	2097.3	2011.0	1933.0	1844.4
70°	2303.3	2284.7	2220.6	2141.3	2065.7	1977.0	1891.0	1800.0	1702.7	1635.6	1533.7
72.5°	1892.6	1829.6	1719.4	1636.4	1555.3	1439.4	1385.7	1272.6	1204.4	1161.7	1084.7
75°	1096.0	1043.3	958.0	880.3	841.0	772.3	739.7	656.7	639.4	638.7	612.0
77.5°	418.3	365.0	310.1	249.6	212.3	168.7	148.7	133.0	121.0	129.3	117.3
80°	313.7	258.0	201.7	146.6	104.7	77.3	66.3	61.3	58.3	56.0	54.3
82.5°	233.7	184.4	143.0	93.4	65.3	49.3	42.7	40.0	38.7	36.4	34.3
85°	79.0	63.3	49.9	34.7	27.4	22.4	20.6	20.0	19.0	17.3	16.4
87.5°	4.4	4.0	4.4	3.3	4.0	3.3	3.6	3.6	3.6	3.3	3.3
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: VXS-E01-LED-E1-SL3

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	331.7	331.7	331.7	331.7	331.7	331.7	331.7	331.7	331.7	331.7	331.7
2.5°	333.0	333.0	333.0	332.3	331.3	329.3	327.4	325.7	324.0	323.0	322.4
5°	338.0	337.3	337.0	336.7	334.3	330.4	326.6	323.3	320.0	317.3	316.4
7.5°	347.0	345.7	345.3	344.4	341.3	335.3	329.9	324.7	320.0	316.4	314.7
10°	360.6	360.6	358.7	357.3	354.0	346.0	338.3	331.3	325.0	321.0	320.0
12.5°	378.0	378.0	376.4	375.3	371.3	361.0	351.7	343.3	337.3	333.4	333.0
15°	396.0	395.6	394.3	393.0	388.7	377.6	368.3	361.0	356.0	351.3	350.1
17.5°	412.0	412.0	410.4	409.0	404.7	395.3	387.0	381.7	376.0	366.3	359.0
20°	428.0	428.3	427.0	425.7	422.0	414.0	410.4	405.0	392.3	371.3	354.0
22.5°	445.7	447.0	445.3	444.0	441.0	437.6	436.4	423.6	397.0	363.3	338.0
25°	468.3	470.7	468.7	468.0	466.3	467.4	463.3	434.0	390.4	346.0	314.3
27.5°	499.4	499.4	499.7	499.7	499.0	502.7	488.0	434.3	375.6	323.6	286.0
30°	535.6	537.6	537.0	537.0	539.7	542.0	501.7	427.0	357.0	296.0	251.3
32.5°	579.4	581.0	581.7	578.7	589.3	577.3	506.6	413.7	334.0	261.7	209.9
35°	632.0	634.3	636.0	636.4	643.3	608.0	504.0	394.0	301.0	218.7	164.7
37.5°	700.6	705.3	709.0	710.7	711.0	634.0	496.7	368.0	258.0	170.7	122.7
40°	792.0	797.0	796.0	799.4	780.3	649.3	480.0	330.4	204.7	125.3	94.7
42.5°	880.0	880.6	882.0	879.0	840.3	657.3	456.7	284.4	153.4	93.7	81.0
45°	978.3	972.6	966.3	961.7	895.6	660.3	424.7	228.3	108.3	78.7	75.0
47.5°	1070.7	1063.0	1049.9	1036.7	945.0	655.6	383.6	171.0	82.4	72.0	71.0
50°	1161.3	1147.0	1128.7	1113.4	992.3	648.7	338.3	123.3	72.0	68.7	67.7
52.5°	1273.7	1249.6	1225.7	1205.7	1054.0	637.6	290.7	93.7	67.7	66.0	64.7
55°	1427.7	1394.3	1355.6	1327.7	1137.6	621.0	240.6	79.4	65.7	64.4	62.4
57.5°	1641.0	1591.0	1547.4	1501.7	1252.0	604.0	197.6	73.7	65.3	63.3	60.6
60°	1859.0	1799.0	1743.3	1678.0	1368.7	587.0	167.7	73.0	66.3	63.3	59.4
62.5°	1972.3	1910.4	1843.3	1777.0	1419.0	547.0	147.0	74.0	68.7	64.4	59.4
65°	1946.3	1870.7	1802.7	1735.0	1360.6	471.3	124.4	75.3	73.4	68.3	60.3
67°	1815.6	1736.7	1671.3	1606.6	1230.7	394.7	106.6	76.7	78.3	73.0	62.4
67.5°	1769.6	1690.7	1626.3	1563.3	1192.3	378.7	102.4	77.3	79.4	74.3	63.0
70°	1467.4	1409.3	1341.0	1292.3	965.3	280.3	84.0	78.7	85.3	82.0	66.0
72.5°	1056.0	1000.6	949.3	922.4	711.0	196.0	70.7	77.3	89.0	86.3	67.4
75°	561.3	558.0	539.4	552.6	440.0	128.0	62.4	72.3	85.0	79.0	62.7
77.5°	113.4	116.7	137.0	135.0	142.0	71.3	53.4	62.0	65.7	58.0	51.0
80°	52.6	51.7	50.7	51.3	50.4	45.7	43.3	48.7	45.7	37.3	34.0
82.5°	32.6	32.0	31.0	30.7	34.0	36.4	38.0	38.3	30.4	26.0	25.0
85°	15.6	15.6	15.3	16.0	20.0	29.6	32.0	28.3	20.3	18.7	17.6
87.5°	3.0	3.0	3.3	3.0	4.0	7.0	8.0	9.3	7.7	8.0	9.0
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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CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	331.7	331.7	331.7
2.5°	321.7	321.0	321.0
5°	315.0	314.7	314.7
7.5°	313.4	313.7	313.4
10°	319.7	319.4	320.6
12.5°	333.7	334.7	334.3
15°	348.3	349.0	349.0
17.5°	352.6	350.4	350.1
20°	341.3	337.0	336.0
22.5°	320.0	312.0	312.3
25°	293.0	283.3	284.0
27.5°	261.7	251.3	251.0
30°	224.0	212.6	207.0
32.5°	178.7	165.0	165.0
35°	134.3	123.3	119.4
37.5°	102.0	95.6	93.7
40°	85.0	82.0	81.3
42.5°	77.3	76.4	76.0
45°	73.4	72.6	72.3
47.5°	69.6	69.3	69.0
50°	67.0	66.6	66.3
52.5°	64.7	64.0	63.6
55°	61.3	61.3	61.3
57.5°	59.4	59.4	59.0
60°	57.3	57.0	57.0
62.5°	55.6	55.0	55.3
65°	54.7	53.7	53.7
67°	54.0	52.0	52.0
67.5°	54.0	51.3	51.3
70°	53.0	48.7	48.0
72.5°	52.0	45.7	44.7
75°	49.3	43.3	42.4
77.5°	42.4	38.7	38.0
80°	32.6	28.3	29.0
82.5°	23.6	20.3	20.0
85°	17.0	14.7	14.7
87.5°	9.0	7.7	8.0
90°	0.0	0.0	0.0

(END OF REPORT)