

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: P151590

Luminaire Tested: **VXS-E03-LED-E1-SL4-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P151590
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-E03-LED-E1-SL4-HSS
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6104.4 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 75.2
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



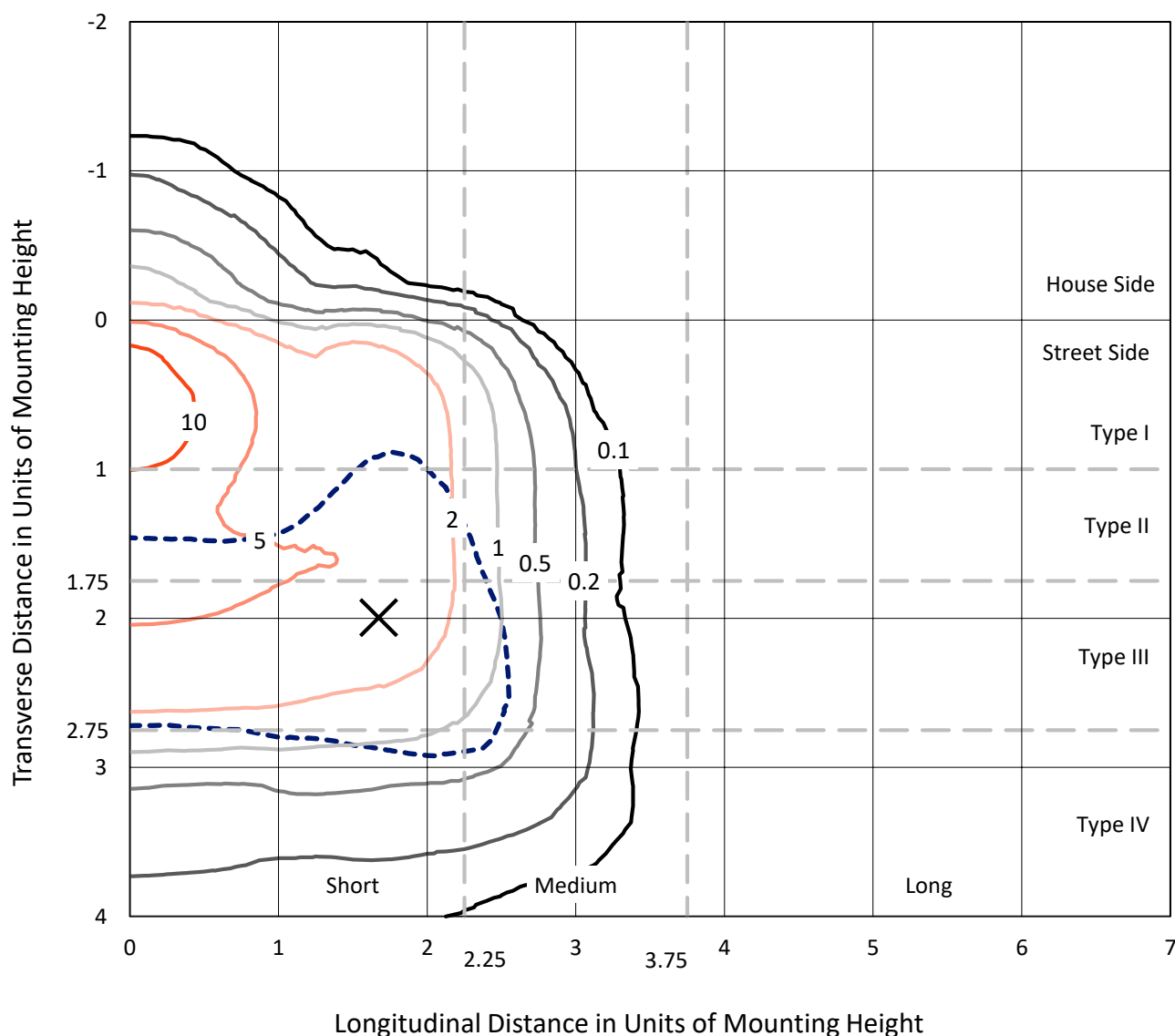
REPORT NUMBER: P151590

CATALOG NUMBER: VXS-E03-LED-E1-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

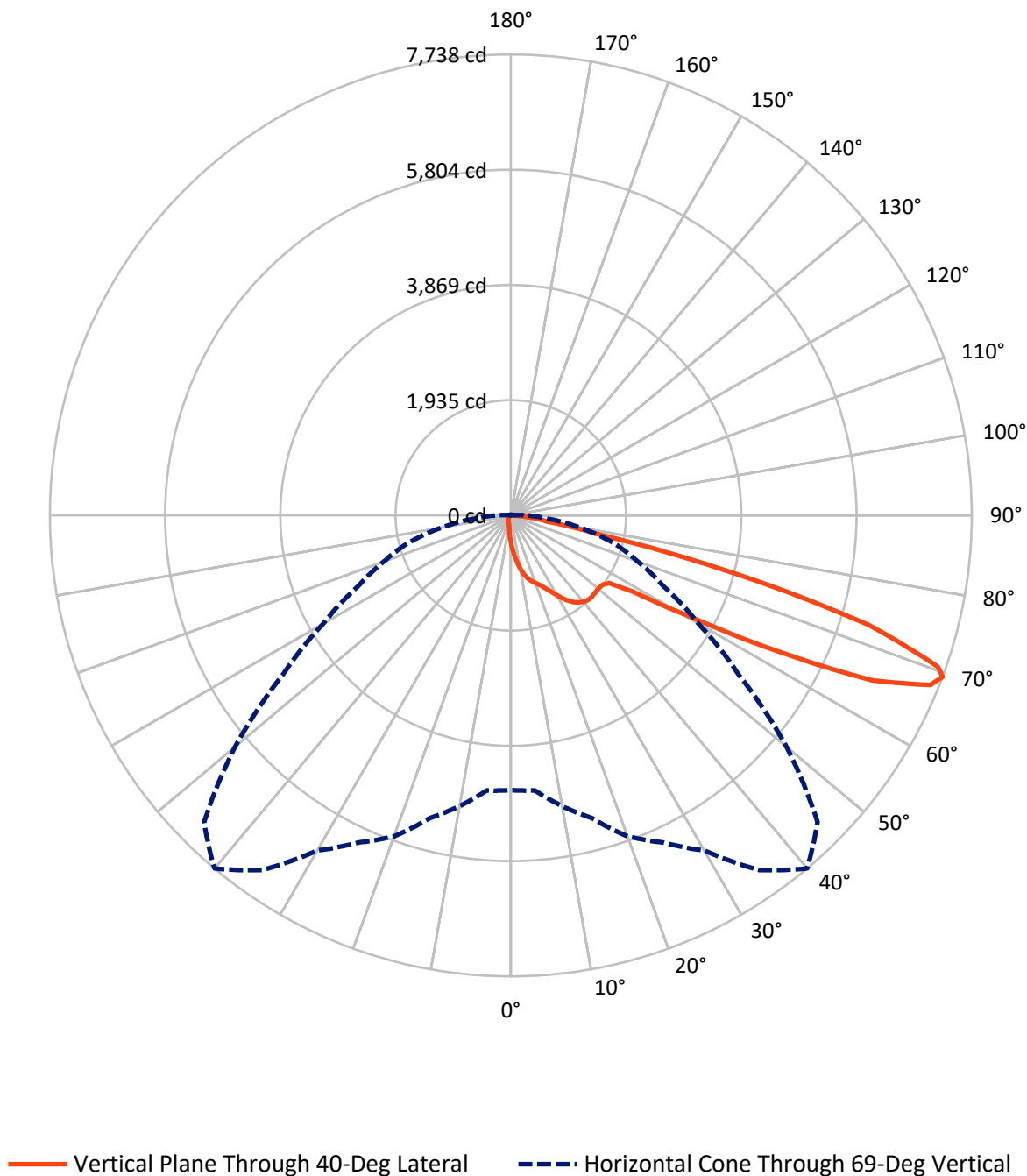


Based on 10 foot mounting height. Maximum calculated value = 13.7 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P151590

CATALOG NUMBER: VXS-E03-LED-E1-SL4-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P151590

CATALOG NUMBER: VXS-E03-LED-E1-SL4-HSS

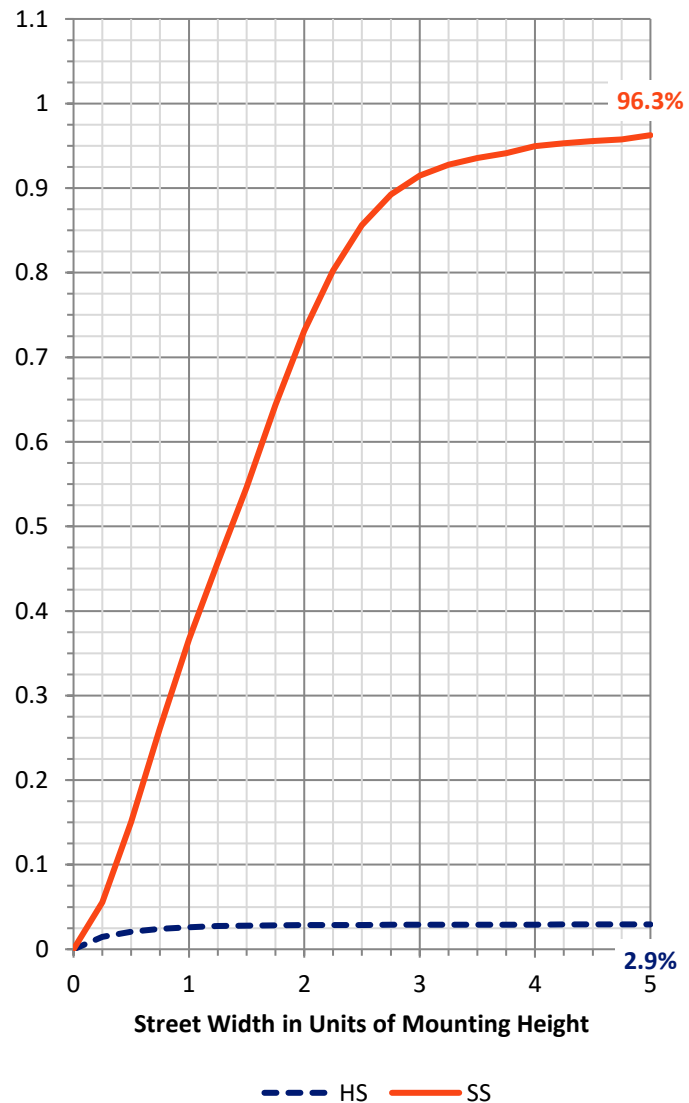
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	181.8	0.0	181.8
	% Fixture	3.0	0.0	3.0
Street Side	Lumens	5922.6	0.0	5922.6
	% Fixture	97.0	0.0	97.0
Total	Lumens	6104.4	0.0	6104.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.4	0.8
10°-20°	163.4	2.7
20°-30°	312.7	5.1
30°-40°	520.0	8.5
40°-50°	703.6	11.5
50°-60°	1100.4	18.0
60°-70°	2262.4	37.1
70°-80°	910.3	14.9
80°-90°	84.2	1.4
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°	6104.4	100.0
0°-180°	6104.4	100.0

Coefficient of Utilization



REPORT NUMBER: P151590

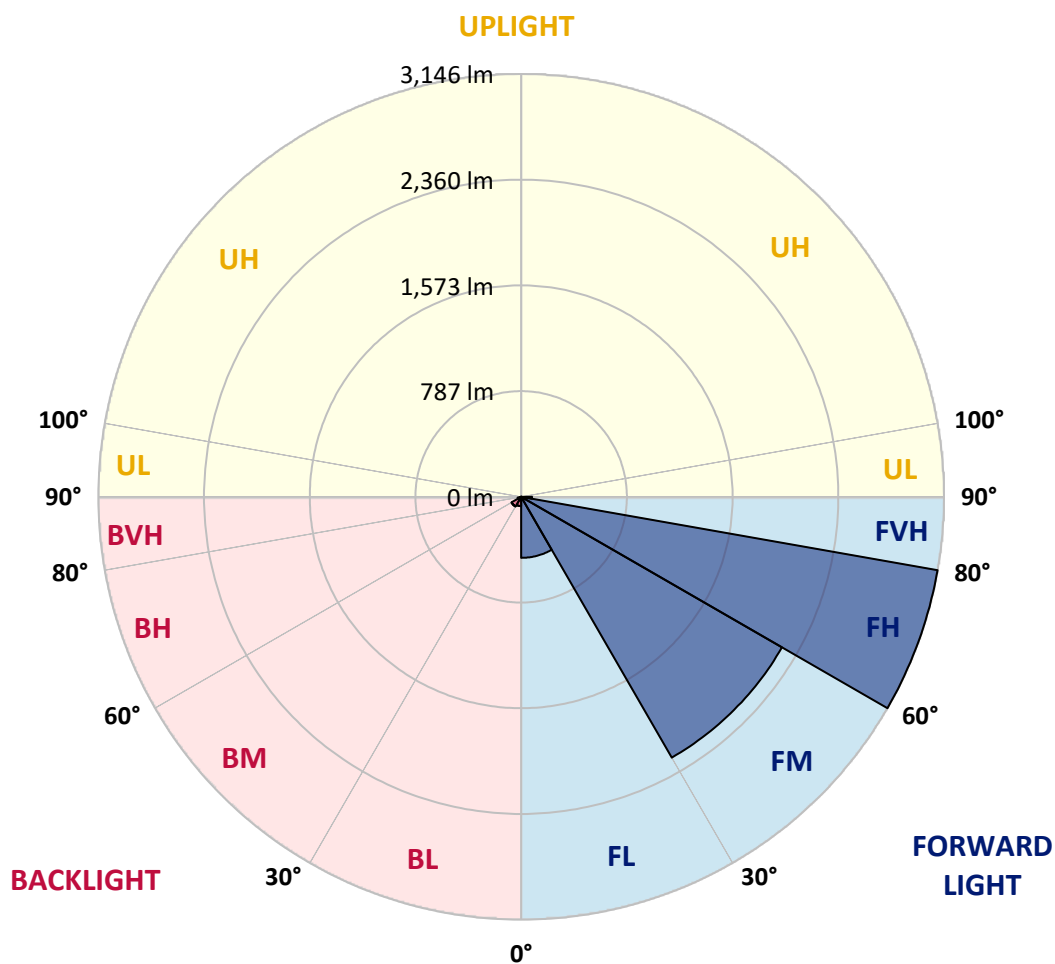
CATALOG NUMBER: VXS-E03-LED-E1-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	454.3	7.4			
FM	(30°-60°)	2241.0	36.7			
FH	(60°-80°)	3146.2	51.5			G2/5000
FVH	(80°-90°)	81.1	1.3			G1/100
BL	(0°-30°)	69.1	1.1	B0/110		
BM	(30°-60°)	83.0	1.4	B0/220		
BH	(60°-80°)	26.5	0.4	B0/110		G0/110
BVH	(80°-90°)	3.1	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 IV Short



REPORT NUMBER: P151590

CATALOG NUMBER: VXS-E03-LED-E1-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0
2.5°	615.0	608.0	600.0	600.0	590.1	590.1	584.0	568.0	566.0	557.0	548.0
5°	785.0	779.0	769.0	760.0	752.0	738.0	728.0	709.0	688.0	668.0	649.9
7.5°	951.0	948.0	929.9	927.0	914.0	891.0	871.0	843.0	807.0	779.0	746.0
10°	1105.0	1098.0	1094.0	1077.0	1058.0	1033.0	1002.0	968.0	926.0	882.0	835.0
12.5°	1227.0	1223.0	1205.0	1198.0	1178.0	1153.0	1114.0	1070.1	1028.0	971.0	916.0
15°	1318.0	1311.0	1299.0	1288.0	1264.0	1242.0	1206.0	1158.0	1107.0	1045.0	979.0
17.5°	1394.0	1381.0	1378.0	1361.0	1336.0	1309.9	1270.1	1226.0	1166.0	1104.0	1032.0
20°	1496.0	1478.0	1472.0	1447.0	1418.0	1382.0	1336.0	1281.0	1218.0	1150.1	1076.0
22.5°	1616.0	1603.0	1590.1	1568.0	1531.0	1480.0	1413.0	1353.0	1273.0	1198.0	1118.0
25°	1786.0	1775.0	1754.0	1724.0	1678.0	1617.0	1536.0	1448.0	1354.0	1258.0	1164.0
27.5°	1951.0	1941.0	1926.0	1903.0	1851.0	1784.0	1684.0	1572.0	1453.0	1337.0	1233.0
30°	2106.0	2097.0	2082.0	2059.0	2013.0	1947.0	1834.0	1714.0	1566.0	1431.0	1306.0
32.5°	2273.0	2269.9	2253.0	2220.0	2180.0	2091.0	1968.0	1839.0	1689.0	1533.0	1387.0
35°	2462.0	2439.0	2423.0	2390.1	2322.0	2227.0	2083.0	1942.0	1784.0	1624.0	1461.0
37.5°	2622.0	2600.0	2580.0	2538.0	2455.0	2334.0	2171.0	2016.0	1853.0	1689.9	1524.0
40°	2739.0	2728.0	2704.0	2649.0	2556.0	2412.0	2236.0	2067.0	1903.0	1739.0	1575.0
42.5°	2826.0	2809.0	2782.0	2725.0	2615.0	2451.0	2262.0	2088.0	1926.0	1769.0	1608.0
45°	2858.0	2844.0	2819.0	2757.0	2638.0	2462.0	2261.0	2082.0	1927.0	1778.0	1630.1
47.5°	2839.0	2825.0	2803.0	2745.0	2628.0	2449.0	2243.0	2065.0	1917.0	1781.0	1649.9
50°	2776.0	2768.0	2751.0	2702.0	2597.0	2424.0	2227.0	2056.0	1915.0	1796.0	1678.0
52.5°	2769.9	2765.0	2744.0	2695.0	2588.0	2416.0	2225.0	2061.0	1932.0	1815.0	1698.0
55°	3385.0	3314.0	3155.0	3020.0	2798.0	2534.0	2326.0	2142.0	2004.0	1889.9	1808.0
57.5°	4811.0	4705.0	4496.0	4239.0	3729.0	3228.0	2827.0	2537.0	2394.0	2342.0	2373.0
60°	5479.0	5460.0	5427.0	5305.0	5044.0	4613.0	4133.0	3614.0	3406.0	3388.0	3451.0
62.5°	5796.0	5784.0	5794.0	5779.0	5698.0	5572.0	5434.0	5209.9	5004.0	4871.0	4589.0
65°	5942.0	5950.1	6007.0	6052.0	6062.0	6095.0	6196.0	6475.0	6679.0	6336.0	5553.0
67.5°	5571.0	5618.0	5749.0	5913.0	6105.0	6291.0	6591.0	7179.0	7598.0	7195.0	6083.0
69°	4612.0	4635.0	4955.0	5264.0	5733.0	6061.0	6496.0	7267.0	7738.0	7283.0	6041.0
70°	3631.0	3652.0	3995.0	4415.0	5208.0	5630.1	6199.0	7118.0	7607.0	7166.0	5825.0
72.5°	1638.0	1608.0	1729.0	1954.0	2816.0	3486.0	4481.0	5767.0	6276.0	5741.0	4358.0
75°	1144.0	1131.0	1144.0	1145.0	1279.0	1649.9	2082.0	3126.0	3866.0	3336.0	2082.0
77.5°	886.0	877.0	868.0	858.0	874.0	979.0	1021.0	1109.0	1440.0	1362.0	794.0
80°	701.0	693.0	715.0	708.0	708.0	720.0	712.0	679.0	617.0	572.0	512.0
82.5°	326.0	328.0	328.0	356.0	429.0	501.0	524.0	491.0	436.0	371.0	299.0
85°	31.0	35.0	59.0	91.0	181.0	204.0	205.0	169.9	169.9	134.0	108.0
87.5°	0.0	1.0	1.0	1.0	9.0	25.0	21.0	6.0	3.0	3.0	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

REPORT NUMBER: P151590

CATALOG NUMBER: VXS-E03-LED-E1-SL4-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0
2.5°	532.0	529.0	517.0	505.0	494.0	482.0	471.0	460.0	448.0	439.0	428.0
5°	622.0	600.0	575.0	551.0	527.0	502.0	476.0	453.0	429.0	407.0	386.0
7.5°	713.0	670.1	636.0	593.0	554.0	515.0	479.0	442.0	408.0	376.0	346.0
10°	790.1	738.0	685.0	629.9	574.0	522.0	472.0	428.0	383.0	344.0	307.0
12.5°	853.0	787.0	722.0	653.0	590.1	524.0	462.0	409.0	356.0	312.0	274.0
15°	910.1	834.0	756.0	676.0	596.0	521.0	452.0	386.0	332.0	282.0	239.0
17.5°	956.0	869.0	781.0	691.0	605.0	517.0	439.0	369.9	307.0	255.0	213.0
20°	996.0	905.0	809.9	709.0	611.0	516.0	428.0	350.1	285.0	230.1	189.0
22.5°	1033.0	942.0	840.0	732.0	620.0	515.0	418.0	335.0	266.0	211.0	169.9
25°	1075.0	979.0	872.0	756.0	636.0	519.0	412.0	323.0	249.0	193.0	155.0
27.5°	1122.0	1021.0	910.1	786.0	657.0	527.0	409.9	310.1	234.0	176.0	143.0
30°	1188.0	1071.0	948.0	816.0	676.0	536.0	408.0	302.0	219.0	163.0	131.0
32.5°	1246.0	1120.0	990.1	847.0	697.0	545.0	407.0	291.0	205.0	150.1	122.0
35°	1307.0	1165.0	1026.0	877.0	715.0	555.0	406.0	283.0	192.0	137.0	113.0
37.5°	1360.0	1203.0	1054.0	903.0	735.0	564.0	407.0	276.0	180.0	126.0	105.0
40°	1405.0	1242.0	1085.0	927.0	756.0	578.0	408.0	269.0	168.0	116.0	98.0
42.5°	1445.0	1279.0	1118.0	954.0	780.0	594.0	414.0	263.0	158.0	107.0	91.0
45°	1476.0	1313.0	1154.0	992.0	819.0	620.0	425.0	259.0	148.0	99.0	85.0
47.5°	1508.0	1363.0	1215.0	1052.0	876.0	661.0	444.0	258.0	140.0	93.0	80.0
50°	1552.0	1413.0	1269.0	1113.0	928.0	703.0	467.0	259.0	129.9	87.0	75.0
52.5°	1584.0	1464.0	1339.0	1219.0	1052.0	831.0	556.0	277.0	125.0	82.0	69.0
55°	1773.0	1752.0	1755.0	1775.0	1646.0	1414.0	929.9	400.0	147.0	93.0	68.0
57.5°	2500.0	2574.0	2617.0	2616.0	2403.0	1993.0	1249.0	514.0	164.0	108.0	81.0
60°	3456.0	3400.0	3321.0	3126.0	2843.0	2275.0	1397.0	553.0	142.0	86.0	74.0
62.5°	4301.0	3973.0	3682.0	3366.0	2995.0	2373.0	1427.0	550.1	124.0	65.0	52.0
65°	4828.0	4238.0	3768.0	3372.0	2935.0	2291.0	1350.1	505.0	105.0	53.0	43.0
67.5°	4954.0	4095.0	3430.1	2925.0	2452.0	1783.0	991.0	380.0	82.0	44.0	38.0
69°	4679.0	3640.0	2842.0	2269.0	1784.0	1183.0	613.0	240.0	63.0	40.0	35.0
70°	4304.0	3166.0	2315.0	1821.0	1321.0	831.0	429.0	169.0	51.0	37.0	32.0
72.5°	2769.0	1663.0	1138.0	792.0	545.0	331.0	168.0	76.0	39.0	31.0	26.0
75°	1074.0	615.0	446.0	339.0	265.0	184.0	102.0	49.0	33.0	26.0	20.0
77.5°	529.0	405.0	331.0	227.0	132.0	82.0	55.0	38.0	27.0	19.0	13.0
80°	418.0	278.0	166.0	103.0	78.0	59.0	42.0	31.0	20.0	12.0	9.0
82.5°	214.0	117.0	86.0	70.1	58.0	46.0	34.0	22.0	13.0	8.0	7.0
85°	67.0	49.0	44.0	43.0	40.0	33.0	24.0	14.0	8.0	5.0	5.0
87.5°	5.0	7.0	9.0	7.0	8.0	7.0	9.0	6.0	4.0	4.0	3.0
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: P151590

CATALOG NUMBER: VXS-E03-LED-E1-SL4-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0
2.5°	420.0	408.0	397.0	389.9	377.0	372.0	367.0	365.0	356.0	358.0	350.1
5°	367.0	346.0	329.9	314.0	299.0	288.0	279.0	268.0	259.0	255.0	247.0
7.5°	319.0	292.0	271.0	254.0	236.0	222.0	209.9	202.0	194.0	186.0	182.0
10°	277.0	248.0	224.0	207.0	190.1	178.0	169.0	163.0	158.0	155.0	154.0
12.5°	238.0	209.9	188.0	173.0	160.0	154.0	150.1	147.0	146.0	145.0	145.0
15°	208.0	180.0	163.0	152.0	146.0	143.0	142.0	140.0	138.0	137.0	137.0
17.5°	180.0	159.0	147.0	141.0	138.0	136.0	134.0	132.0	129.9	129.0	129.0
20°	161.0	144.0	138.0	134.0	131.0	129.0	126.0	124.0	123.0	122.0	121.0
22.5°	146.0	135.0	131.0	128.0	124.0	121.0	119.0	117.0	115.0	114.0	113.0
25°	135.0	128.0	125.0	121.0	117.0	114.0	111.0	108.0	106.0	105.0	103.0
27.5°	127.0	122.0	118.0	113.0	109.0	106.0	103.0	100.0	98.0	96.0	95.0
30°	120.0	115.0	110.1	106.0	101.0	98.0	94.0	91.0	89.9	88.0	86.0
32.5°	113.0	108.0	103.0	98.0	93.0	89.0	87.0	83.0	81.0	80.0	78.0
35°	105.0	100.0	94.0	89.9	85.0	81.0	78.0	75.0	73.0	71.0	70.1
37.5°	98.0	92.0	86.0	81.0	77.0	73.0	70.1	67.0	65.0	63.0	62.0
40°	89.9	84.0	78.0	73.0	69.0	66.0	63.0	60.0	58.0	57.0	57.0
42.5°	83.0	76.0	70.1	66.0	63.0	59.0	56.0	53.0	52.0	51.0	52.0
45°	76.0	69.0	64.0	60.0	57.0	53.0	49.9	48.0	47.0	48.0	49.0
47.5°	70.1	63.0	58.0	55.0	52.0	49.0	46.0	44.0	44.0	46.0	48.0
50°	64.0	57.0	53.0	51.0	48.0	45.0	41.0	40.0	41.0	43.0	45.0
52.5°	58.0	49.9	47.0	46.0	43.0	40.0	37.0	36.0	37.0	39.0	38.0
55°	52.0	44.0	43.0	42.0	39.0	35.0	32.0	32.0	32.0	31.0	29.0
57.5°	49.9	39.0	38.0	37.0	34.0	30.1	28.0	26.0	25.0	22.0	21.0
60°	52.0	35.0	35.0	33.0	30.1	26.0	23.0	20.0	18.0	16.0	16.0
62.5°	42.0	32.0	31.0	29.0	25.0	21.0	18.0	15.0	14.0	13.0	13.0
65°	34.0	29.0	27.0	24.0	21.0	17.0	14.0	12.0	11.0	11.0	12.0
67.5°	31.0	26.0	23.0	20.0	17.0	13.0	11.0	9.9	9.9	11.0	11.0
69°	29.0	24.0	21.0	18.0	15.0	12.0	9.9	9.9	9.9	9.9	11.0
70°	27.0	23.0	20.0	17.0	13.0	9.9	9.0	9.0	9.9	9.9	11.0
72.5°	21.0	18.0	17.0	14.0	9.9	9.0	8.0	9.0	9.0	9.9	9.9
75°	16.0	13.0	13.0	11.0	8.0	7.0	7.0	8.0	8.0	9.0	9.0
77.5°	11.0	9.0	9.0	8.0	7.0	6.0	6.0	7.0	8.0	8.0	9.0
80°	8.0	7.0	6.0	7.0	6.0	5.0	6.0	7.0	7.0	8.0	8.0
82.5°	6.0	6.0	6.0	6.0	5.0	5.0	6.0	6.0	7.0	8.0	8.0
85°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.0	6.0	7.0	7.0
87.5°	3.0	3.0	3.0	4.0	4.0	5.0	5.0	5.0	5.0	6.0	6.0
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: P151590

CATALOG NUMBER: VXS-E03-LED-E1-SL4-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	461.0	461.0	461.0	461.0
2.5°	348.0	347.0	343.0	344.0
5°	244.0	238.0	242.0	241.0
7.5°	179.0	178.0	177.0	179.0
10°	153.0	153.0	152.0	153.0
12.5°	144.0	144.0	144.0	144.0
15°	137.0	137.0	136.0	136.0
17.5°	129.0	129.0	129.0	128.0
20°	121.0	120.0	120.0	120.0
22.5°	112.0	111.0	111.0	111.0
25°	103.0	102.0	102.0	102.0
27.5°	94.0	93.0	92.0	92.0
30°	85.0	84.0	83.0	83.0
32.5°	76.0	75.0	74.0	74.0
35°	68.0	68.0	67.0	66.0
37.5°	61.0	61.0	61.0	61.0
40°	56.0	57.0	57.0	57.0
42.5°	53.0	54.0	55.0	56.0
45°	51.0	53.0	54.0	54.0
47.5°	49.9	51.0	52.0	52.0
50°	46.0	45.0	45.0	45.0
52.5°	37.0	35.0	34.0	33.0
55°	27.0	26.0	24.0	24.0
57.5°	19.0	19.0	18.0	18.0
60°	15.0	15.0	14.0	15.0
62.5°	13.0	13.0	13.0	13.0
65°	12.0	12.0	12.0	12.0
67.5°	12.0	12.0	12.0	12.0
69°	11.0	11.0	11.0	11.0
70°	11.0	11.0	11.0	11.0
72.5°	9.9	9.9	9.9	9.9
75°	9.0	9.9	9.9	9.9
77.5°	9.0	9.0	9.0	9.0
80°	8.0	8.0	9.0	9.0
82.5°	8.0	8.0	8.0	8.0
85°	7.0	7.0	8.0	8.0
87.5°	6.0	6.0	7.0	7.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)