

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: P150429

Luminaire Tested: **VXS-E01-LED-E1-SL3-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P150429
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-E01-LED-E1-SL3-HSS-7030
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1583.6 lumens
Efficiency: N/A
Efficacy: 64.1 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - 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



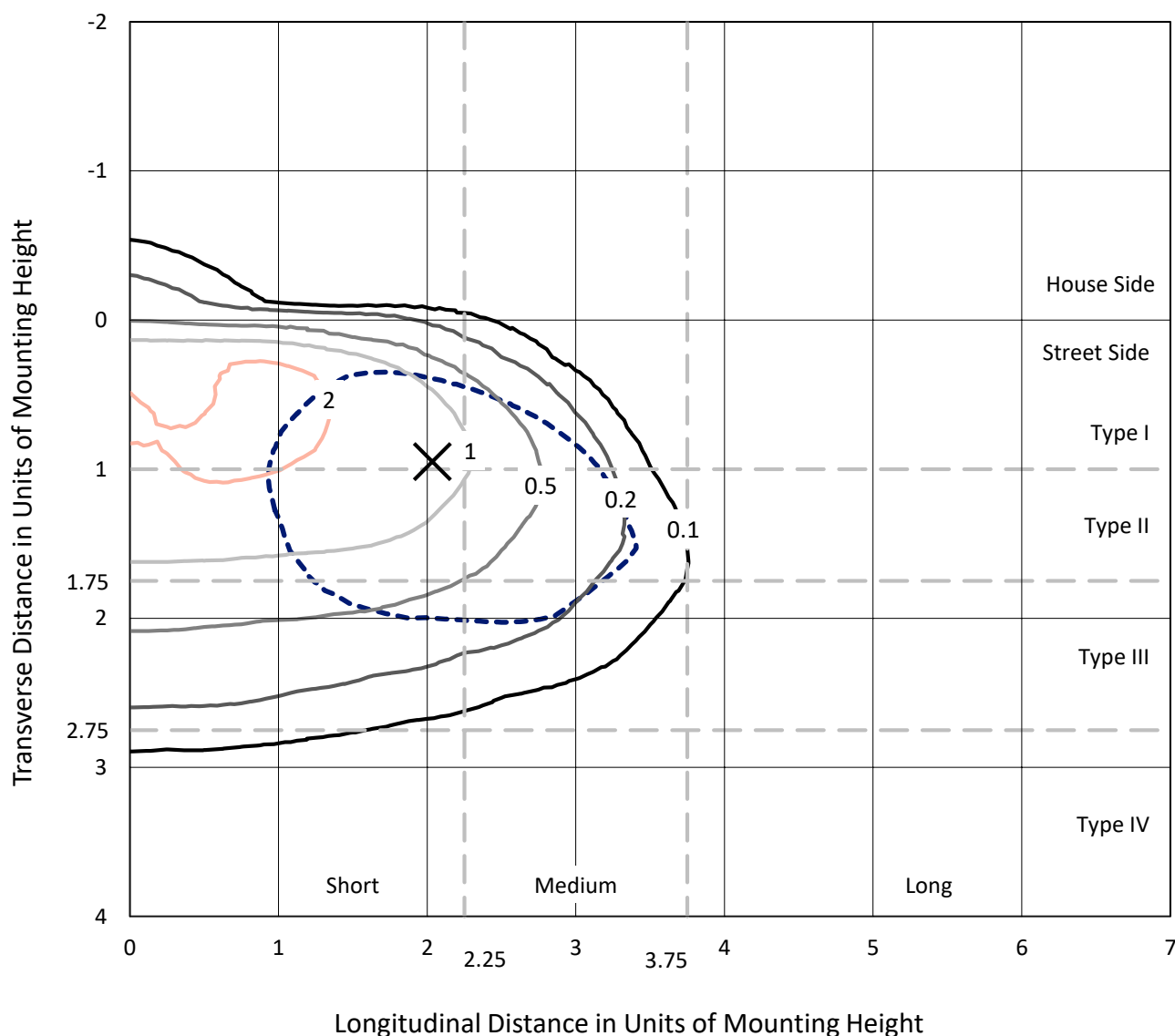
REPORT NUMBER: P150429

CATALOG NUMBER: VXS-E01-LED-E1-SL3-HSS-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

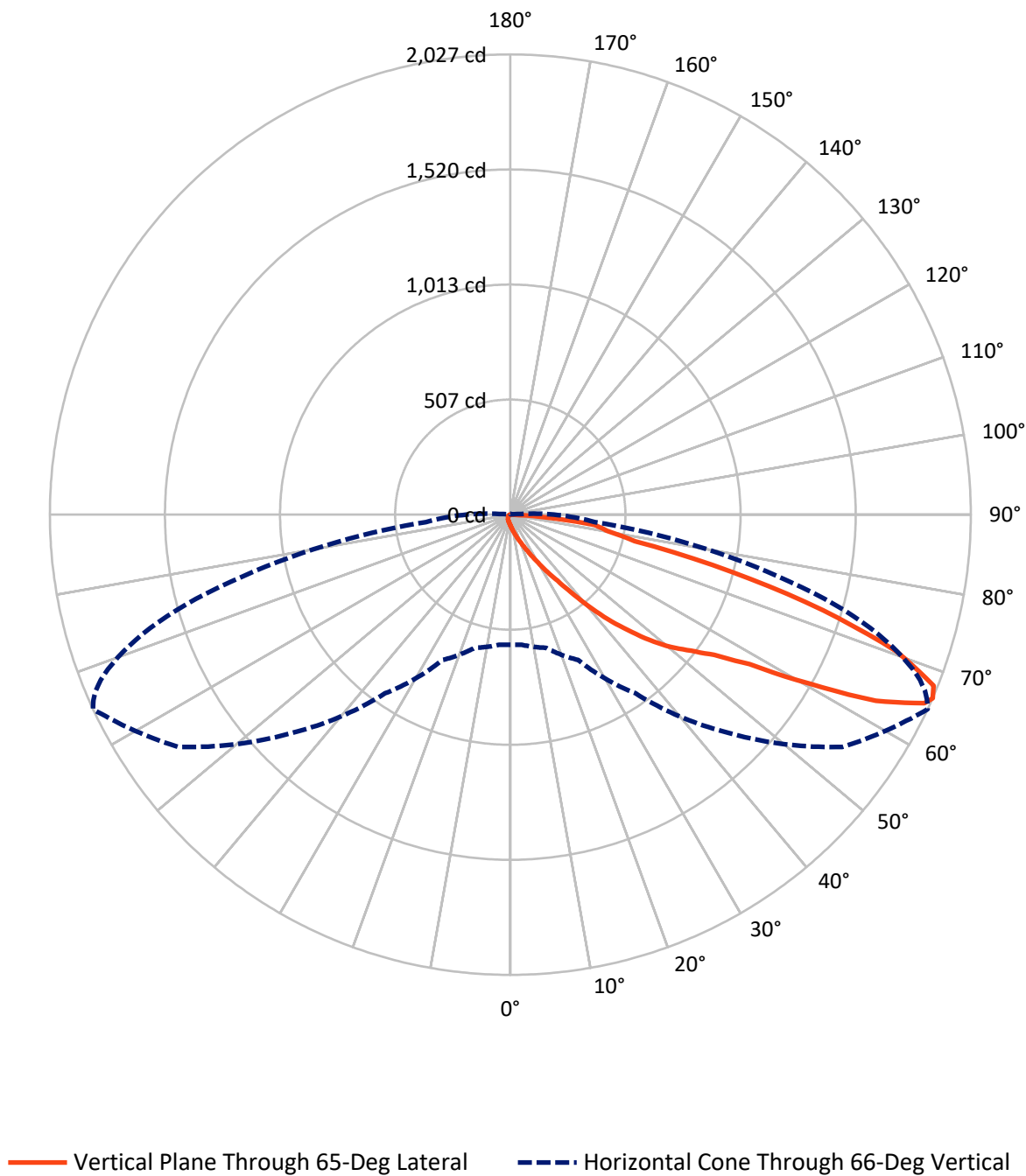


Based on 10 foot mounting height. Maximum calculated value = 2.6 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P150429

CATALOG NUMBER: VXS-E01-LED-E1-SL3-HSS-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P150429

CATALOG NUMBER: VXS-E01-LED-E1-SL3-HSS-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	34.3	0.0	34.3
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	1549.3	0.0	1549.3
	% Fixture	97.8	0.0	97.8
Total	Lumens	1583.6	0.0	1583.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.3
10°-20°	22.7	1.4
20°-30°	48.9	3.1
30°-40°	104.5	6.6
40°-50°	231.1	14.6
50°-60°	391.6	24.7
60°-70°	522.6	33.0
70°-80°	230.2	14.5
80°-90°	26.5	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°	1583.6	100.0
0°-180°	1583.6	100.0

Coefficient of Utilization



REPORT NUMBER: P150429

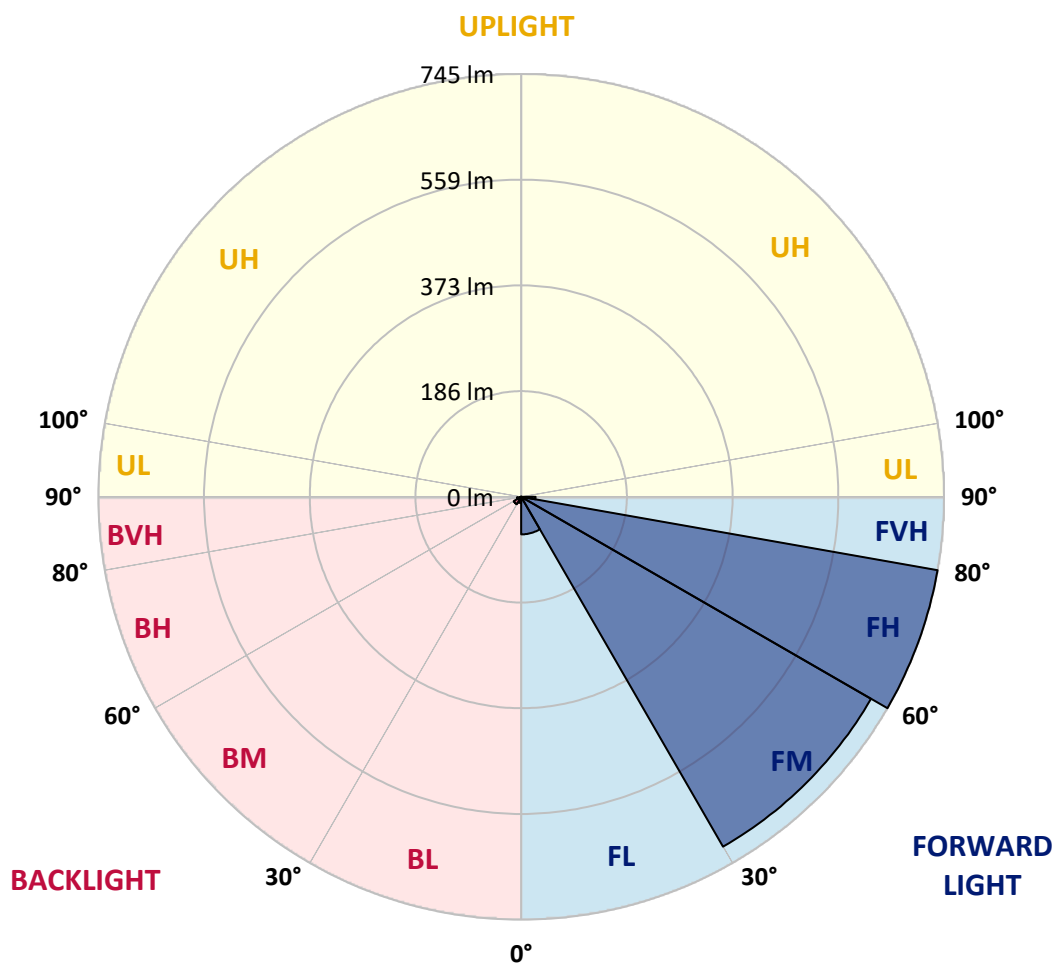
CATALOG NUMBER: VXS-E01-LED-E1-SL3-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	66.1	4.2			
FM	(30°-60°)	712.2	45.0			
FH	(60°-80°)	745.5	47.1			G1/1800
FVH	(80°-90°)	25.5	1.6			G1/100
BL	(0°-30°)	10.8	0.7	B0/110		
BM	(30°-60°)	15.1	1.0	B0/220		
BH	(60°-80°)	7.4	0.5	B0/110		G0/110
BVH	(80°-90°)	1.1	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-G1

Type III Short



REPORT NUMBER: P150429

CATALOG NUMBER: VXS-E01-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
2.5°	60.3	60.0	58.8	58.8	56.9	55.8	54.2	52.6	52.6	52.3	52.0
5°	79.8	77.9	77.6	74.3	71.5	67.6	63.9	59.1	58.4	57.8	57.5
7.5°	101.3	101.0	98.3	94.4	88.9	81.6	74.3	66.3	65.2	64.6	63.3
10°	129.4	127.9	124.2	117.5	109.3	99.6	87.7	75.2	73.7	72.4	71.8
12.5°	156.2	153.5	151.3	142.8	132.4	118.1	103.8	85.9	84.7	83.1	80.7
15°	181.1	178.8	175.0	167.8	156.2	138.2	121.5	99.6	96.5	94.4	92.5
17.5°	200.6	199.1	194.8	186.6	174.2	158.3	138.2	113.6	111.1	108.4	105.1
20°	219.2	217.1	210.4	199.1	185.7	173.6	158.0	131.8	128.5	125.1	121.5
22.5°	236.9	234.7	223.7	205.2	190.9	185.7	180.2	152.5	147.4	144.7	140.9
25°	261.6	257.0	239.9	210.4	191.2	195.1	204.6	179.3	174.4	170.5	164.7
27.5°	294.7	288.6	261.9	218.0	192.4	205.5	232.6	211.9	206.7	202.2	195.8
30°	332.1	328.2	296.3	236.3	201.2	220.7	263.9	253.3	247.3	241.8	234.1
32.5°	369.9	364.5	332.7	271.0	225.0	250.3	303.2	301.5	293.5	288.3	280.1
35°	403.1	400.3	376.9	327.9	279.2	302.0	355.6	357.7	350.8	345.3	336.1
37.5°	425.6	425.6	421.0	389.1	365.4	382.4	432.6	433.0	425.9	413.5	408.9
40°	437.2	440.5	457.0	463.1	461.9	483.7	533.7	528.2	522.5	516.1	500.8
42.5°	460.9	463.9	499.0	541.0	568.4	597.3	631.7	629.9	622.9	611.3	597.3
45°	501.1	505.1	546.8	613.5	669.7	710.9	732.8	724.2	717.3	706.3	699.1
47.5°	552.2	559.9	607.0	689.5	757.5	825.4	848.2	825.7	819.6	811.1	799.2
50°	606.7	614.1	664.4	758.7	835.4	916.4	954.4	916.4	907.6	904.9	891.4
52.5°	654.0	660.0	708.5	811.9	895.1	990.1	1045.5	995.2	988.8	979.7	969.9
55°	682.0	686.8	732.2	837.5	935.5	1056.5	1133.5	1089.3	1079.9	1076.3	1062.2
57.5°	691.4	696.3	737.1	840.9	957.5	1117.0	1240.3	1241.9	1230.6	1217.5	1213.3
60°	691.4	696.9	731.3	832.6	978.8	1181.6	1382.8	1509.7	1485.4	1483.0	1467.5
62.5°	662.8	668.0	702.7	807.4	1007.5	1268.6	1581.3	1805.4	1798.3	1782.6	1757.0
65°	600.7	603.7	637.8	742.9	996.5	1348.7	1753.4	2002.1	1990.8	1959.8	1926.8
66°	572.6	575.1	607.0	706.0	960.5	1359.7	1783.7	2026.7	2008.2	1982.0	1944.9
67.5°	532.2	536.5	559.0	637.5	874.4	1321.7	1764.6	2009.3	1993.3	1961.6	1924.5
70°	355.3	352.2	431.7	489.2	666.1	1076.9	1583.1	1804.1	1804.5	1789.5	1774.6
72.5°	168.7	170.5	193.7	301.1	436.0	719.4	1260.1	1440.0	1460.7	1434.0	1415.3
75°	121.1	123.9	137.9	184.1	260.0	431.7	816.9	1007.2	1007.8	960.2	917.9
77.5°	35.3	36.8	51.7	113.6	194.8	291.4	469.1	559.9	546.8	512.6	480.7
80°	14.6	14.6	15.2	36.3	78.2	197.9	328.2	431.1	429.5	416.5	397.6
82.5°	5.5	5.8	7.4	14.9	18.5	48.7	218.9	374.2	373.3	354.7	341.2
85°	0.6	0.6	1.9	6.4	7.0	9.1	43.8	165.0	164.1	165.0	144.7
87.5°	0.0	0.0	0.3	0.6	0.9	1.2	1.9	6.4	7.0	6.7	6.1
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: P150429

CATALOG NUMBER: VXS-E01-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
2.5°	52.0	51.5	51.5	51.2	51.2	51.2	50.9	50.6	50.6	50.3	49.9
5°	56.9	56.4	56.1	55.4	55.1	54.8	54.2	53.9	53.3	53.0	52.6
7.5°	62.7	61.5	61.2	60.3	59.4	58.8	58.1	57.2	56.6	55.4	55.1
10°	70.1	68.5	67.3	66.1	65.2	63.6	62.7	61.5	60.3	59.4	58.4
12.5°	79.5	77.3	75.5	74.3	72.1	70.4	68.5	67.6	65.2	63.9	62.4
15°	89.8	87.4	85.3	82.8	81.2	78.2	75.9	73.1	71.8	69.7	67.3
17.5°	103.2	99.3	95.9	93.5	90.5	87.4	84.7	81.9	78.2	75.9	72.7
20°	117.5	114.2	109.6	105.4	101.7	98.0	94.1	90.5	87.0	83.1	79.5
22.5°	135.8	130.9	125.4	121.1	116.3	112.3	106.8	102.0	96.5	91.3	87.0
25°	159.0	152.5	147.4	141.2	135.4	129.4	122.7	116.6	109.6	104.8	97.4
27.5°	187.6	181.5	174.4	166.5	160.7	151.6	142.8	135.1	126.9	119.4	111.1
30°	224.0	215.2	208.0	200.3	188.8	179.9	169.5	159.3	148.0	140.3	127.9
32.5°	267.9	258.4	247.6	236.6	225.9	213.4	200.6	187.9	175.3	161.3	148.6
35°	321.5	310.3	297.7	285.9	269.4	256.1	239.9	222.3	208.3	192.1	176.0
37.5°	392.4	373.9	362.9	350.5	328.2	309.9	291.9	274.3	249.6	232.6	209.7
40°	481.3	470.4	452.4	432.3	412.2	388.2	363.8	340.4	311.7	288.0	261.6
42.5°	585.8	569.6	551.4	522.5	502.1	473.7	446.0	414.9	380.0	349.5	318.4
45°	683.8	664.7	650.6	621.7	600.4	566.8	533.4	500.5	460.0	420.7	384.9
47.5°	789.7	773.9	750.8	727.4	705.7	668.0	631.7	591.8	549.2	502.7	456.1
50°	882.9	870.5	854.6	826.3	802.2	770.6	728.0	684.4	630.5	584.2	531.3
52.5°	962.1	952.3	930.1	910.1	888.4	858.5	820.5	778.8	720.6	669.7	609.5
55°	1055.5	1048.5	1029.0	1016.6	997.4	968.8	933.2	894.5	833.0	777.6	709.3
57.5°	1208.7	1203.2	1186.1	1180.9	1162.1	1137.1	1093.3	1051.9	980.0	911.2	833.3
60°	1462.3	1451.3	1426.3	1413.6	1373.7	1340.2	1283.2	1226.3	1139.6	1051.9	958.1
62.5°	1733.9	1703.1	1655.6	1614.8	1558.1	1500.0	1423.9	1336.9	1235.1	1131.0	1023.2
65°	1880.3	1827.9	1768.0	1703.1	1629.7	1544.1	1448.3	1343.8	1234.5	1124.7	1010.8
66°	1897.0	1837.9	1774.3	1702.2	1620.6	1529.5	1432.1	1322.5	1209.0	1101.8	988.0
67.5°	1876.1	1814.2	1746.9	1666.8	1578.5	1484.1	1381.9	1268.1	1158.8	1050.1	939.3
70°	1729.0	1667.5	1607.5	1523.2	1429.1	1334.1	1237.3	1110.1	1006.5	906.6	808.0
72.5°	1380.7	1339.0	1279.6	1207.5	1115.9	1004.4	923.7	809.8	720.0	623.2	546.8
75°	862.8	804.0	730.7	638.8	568.7	478.3	431.1	344.7	293.5	248.7	205.5
77.5°	441.1	397.0	345.6	293.8	244.1	194.8	150.7	106.5	71.8	49.9	37.1
80°	364.5	325.5	282.8	235.6	191.8	148.9	107.2	73.1	46.6	30.5	23.7
82.5°	301.1	268.2	230.2	186.3	148.3	116.9	81.2	53.0	32.8	21.3	16.8
85°	128.2	116.3	89.8	71.2	53.6	39.6	27.7	18.5	13.1	10.7	9.7
87.5°	5.5	6.1	5.8	4.6	3.3	3.3	3.0	2.5	2.5	2.5	2.5
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: P150429

CATALOG NUMBER: VXS-E01-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
2.5°	49.9	49.6	49.3	49.3	49.0	48.7	46.8	45.4	43.5	42.3	41.1
5°	52.0	51.7	51.2	50.9	50.3	49.9	46.0	42.6	39.9	37.7	36.3
7.5°	54.2	53.9	53.0	52.0	51.7	51.2	44.8	40.5	36.8	34.4	32.8
10°	56.9	56.1	55.1	53.9	53.0	52.0	43.5	38.0	34.1	31.9	30.5
12.5°	60.9	59.4	57.8	56.4	55.1	53.6	42.9	36.0	31.9	29.5	28.0
15°	65.5	63.3	61.5	59.7	57.5	56.1	41.7	34.1	30.2	27.7	25.9
17.5°	69.7	67.3	64.6	61.8	59.7	57.5	40.5	32.2	28.3	25.9	24.0
20°	75.9	72.1	68.8	65.5	62.4	59.7	38.7	30.5	26.8	24.0	22.2
22.5°	82.5	78.2	74.0	69.4	65.5	61.8	37.1	28.9	25.3	22.5	20.4
25°	91.0	85.9	80.1	74.3	69.7	64.9	35.6	27.4	23.7	21.0	18.9
27.5°	102.9	95.6	89.2	81.9	74.9	69.4	34.4	26.2	22.2	19.5	17.3
30°	119.1	108.4	98.3	90.5	82.2	74.3	33.2	24.7	21.0	17.9	15.5
32.5°	137.0	124.6	113.0	101.0	90.8	81.6	31.9	23.4	19.5	16.5	14.3
35°	159.3	143.4	127.9	114.2	101.7	89.5	30.8	22.2	18.2	14.9	12.7
37.5°	191.2	171.4	151.0	133.4	117.2	101.0	29.8	21.0	16.8	13.4	11.3
40°	235.0	209.4	184.5	160.4	139.5	119.4	28.6	19.8	15.5	12.2	10.1
42.5°	282.5	251.5	218.5	191.5	162.6	137.3	27.4	18.5	14.3	11.0	8.8
45°	341.6	302.9	263.0	226.2	190.9	158.3	26.2	17.3	12.7	9.7	7.6
47.5°	406.1	356.8	311.7	265.5	223.4	184.5	24.7	16.5	11.6	8.5	6.7
50°	472.5	420.4	363.5	310.9	260.9	210.7	23.1	14.9	10.4	7.6	5.5
52.5°	544.0	482.6	424.4	359.0	300.8	245.1	21.7	13.7	9.4	6.7	4.6
55°	635.1	566.3	498.0	424.7	354.7	285.0	20.1	12.2	8.2	5.8	3.6
57.5°	749.5	668.0	584.2	501.5	416.5	337.3	18.9	10.7	7.0	4.9	3.0
60°	857.6	762.4	660.9	565.7	469.7	377.5	17.1	9.4	6.1	3.9	3.0
62.5°	913.7	805.0	695.6	590.7	488.3	391.8	15.2	7.9	5.2	3.3	2.7
65°	900.0	789.1	683.2	577.2	477.1	382.7	13.4	7.0	4.6	3.0	2.7
66°	880.2	770.6	664.0	563.2	467.7	373.0	12.4	6.7	4.2	3.0	2.5
67.5°	836.9	731.0	629.3	535.5	441.8	354.4	11.3	6.1	3.9	2.7	2.5
70°	714.8	618.7	537.3	453.9	377.5	298.7	9.1	5.2	3.3	2.5	2.5
72.5°	473.2	407.7	353.5	304.1	254.2	197.3	7.6	4.2	2.7	2.5	2.2
75°	178.4	161.3	138.5	124.6	108.7	95.3	6.1	2.7	2.2	2.2	2.2
77.5°	31.7	29.2	25.9	23.7	22.0	20.1	4.9	1.9	1.9	2.2	2.2
80°	21.3	19.8	17.9	16.5	15.2	13.7	3.3	1.6	1.9	1.9	2.2
82.5°	15.2	14.3	13.4	12.2	11.3	10.1	2.2	1.6	1.9	1.9	1.9
85°	9.1	8.5	7.9	7.4	6.4	6.1	1.6	1.6	1.6	1.9	1.9
87.5°	2.5	2.2	2.5	2.5	1.9	2.2	1.2	1.2	1.2	1.6	1.6
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: P150429

CATALOG NUMBER: VXS-E01-LED-E1-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	47.8	47.8	47.8	47.8	47.8
2.5°	40.5	40.5	39.9	40.8	40.8
5°	35.0	35.0	34.7	35.0	35.0
7.5°	31.9	31.7	31.7	31.7	31.9
10°	29.2	28.9	28.9	28.9	28.9
12.5°	26.8	26.5	26.2	26.5	26.5
15°	24.7	24.0	24.0	24.0	24.0
17.5°	22.8	22.2	22.0	22.0	22.0
20°	21.0	20.1	20.1	20.1	20.1
22.5°	19.2	18.2	18.2	18.2	18.2
25°	17.3	16.5	16.5	16.5	16.5
27.5°	15.9	14.9	14.9	14.9	14.9
30°	14.0	13.4	13.4	13.7	13.4
32.5°	12.7	11.9	11.9	12.2	12.2
35°	11.3	10.7	10.7	10.7	10.7
37.5°	9.7	9.1	9.1	9.1	9.1
40°	8.5	7.9	7.6	7.9	7.9
42.5°	7.4	6.7	6.4	6.4	6.4
45°	6.4	5.5	5.2	5.5	5.5
47.5°	5.2	4.6	4.6	4.9	4.9
50°	3.9	3.9	4.2	4.9	4.9
52.5°	3.6	3.6	4.2	4.9	4.9
55°	3.3	3.6	4.2	4.6	4.9
57.5°	3.0	3.6	4.2	4.6	4.6
60°	3.0	3.3	3.9	4.6	4.6
62.5°	2.7	3.0	3.6	4.2	4.2
65°	2.7	3.0	3.6	4.2	4.2
66°	2.7	3.0	3.6	4.2	4.2
67.5°	2.7	3.0	3.6	4.2	4.2
70°	2.7	3.0	3.6	3.9	3.9
72.5°	2.5	2.7	3.3	3.9	3.9
75°	2.5	2.7	3.3	3.9	3.9
77.5°	2.5	2.7	3.3	3.9	3.9
80°	2.5	2.7	3.3	3.6	3.9
82.5°	2.2	2.7	3.0	3.6	3.6
85°	2.2	2.5	3.0	3.3	3.6
87.5°	1.9	2.2	2.5	3.0	3.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)