

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: P151618

Luminaire Tested: **VXS-E06-LED-E1-SL4-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P151618
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-E06-LED-E1-SL4-HSS-8030
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (126) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10304.2 lumens
Efficiency: N/A
Efficacy: 68.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G3

Input Watts (W): 150.5
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



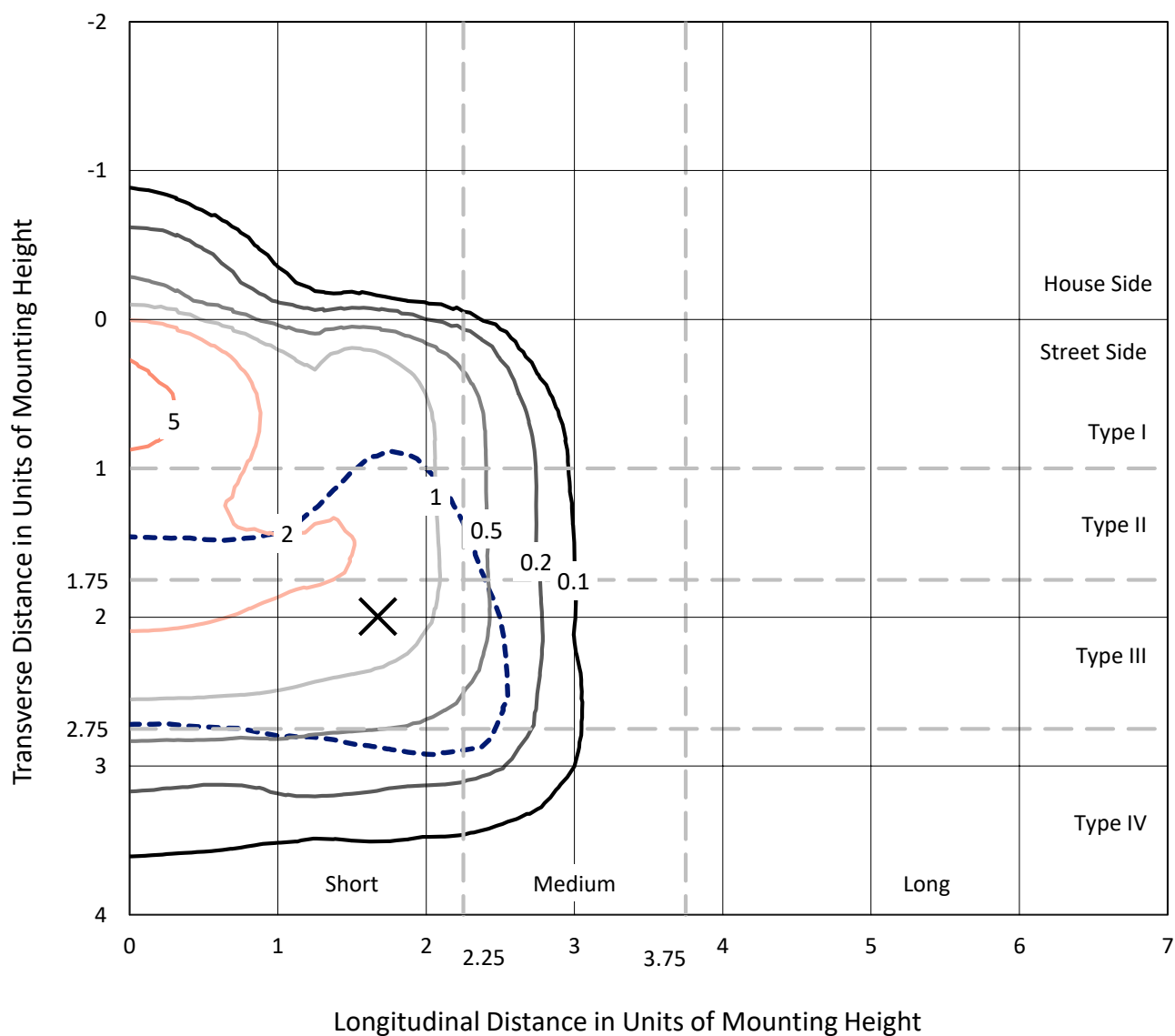
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

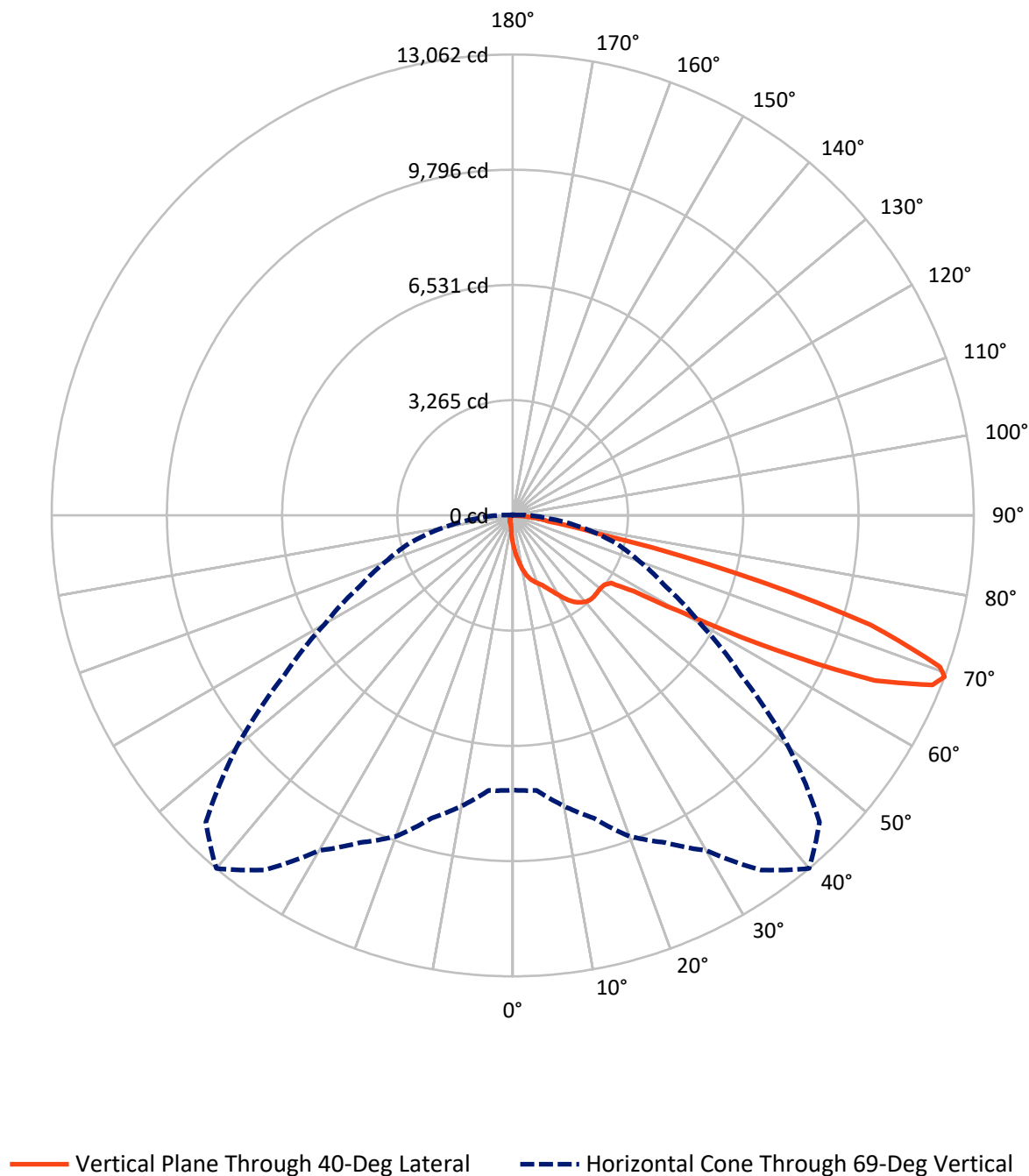


Based on 20 foot mounting height. Maximum calculated value = 5.8 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	306.8	0.0	306.8
	% Fixture	3.0	0.0	3.0
Street Side	Lumens	9997.3	0.0	9997.3
	% Fixture	97.0	0.0	97.0
Total	Lumens	10304.2	0.0	10304.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.0	0.8
10°-20°	275.8	2.7
20°-30°	527.8	5.1
30°-40°	877.7	8.5
40°-50°	1187.7	11.5
50°-60°	1857.5	18.0
60°-70°	3818.9	37.1
70°-80°	1536.7	14.9
80°-90°	142.1	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°	10304.2	100.0
0°-180°	10304.2	100.0

Coefficient of Utilization



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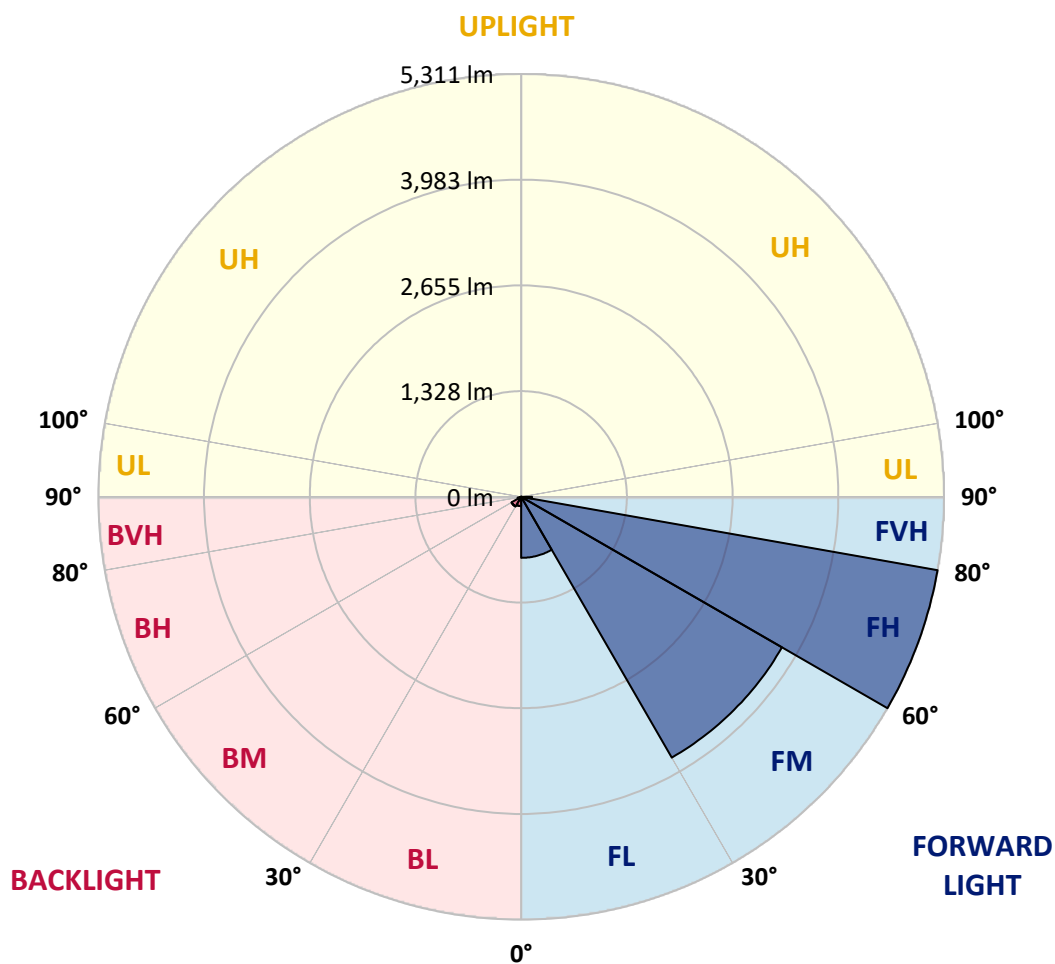
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	766.8	7.4			
FM	(30°-60°)	3782.8	36.7			
FH	(60°-80°)	5310.8	51.5			G3/7500
FVH	(80°-90°)	136.9	1.3			G2/225
BL	(0°-30°)	116.7	1.1	B1/500		
BM	(30°-60°)	140.1	1.4	B0/220		
BH	(60°-80°)	44.8	0.4	B0/110		G0/110
BVH	(80°-90°)	5.3	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1
2.5°	1038.1	1026.3	1012.7	1012.7	996.0	996.0	985.8	958.8	955.4	940.2	925.0
5°	1325.1	1314.9	1298.0	1282.9	1269.3	1245.7	1228.8	1196.8	1161.3	1127.6	1097.2
7.5°	1605.3	1600.2	1569.8	1564.8	1542.8	1504.0	1470.3	1423.0	1362.2	1314.9	1259.3
10°	1865.2	1853.4	1846.6	1817.9	1785.9	1743.7	1691.4	1634.0	1563.1	1488.8	1409.4
12.5°	2071.2	2064.4	2034.0	2022.2	1988.4	1946.2	1880.4	1806.1	1735.2	1639.1	1546.2
15°	2224.8	2213.0	2192.6	2174.1	2133.6	2096.5	2035.8	1954.7	1868.6	1763.9	1652.5
17.5°	2353.1	2331.1	2326.0	2297.3	2255.1	2211.3	2143.7	2069.4	1968.2	1863.5	1742.0
20°	2525.2	2494.8	2484.7	2442.5	2393.6	2332.7	2255.1	2162.3	2056.0	1941.1	1816.3
22.5°	2727.8	2705.8	2683.9	2646.7	2584.2	2498.2	2385.1	2283.8	2148.8	2022.2	1887.2
25°	3014.7	2996.2	2960.7	2910.1	2832.4	2729.4	2592.7	2444.2	2285.5	2123.5	1964.8
27.5°	3293.3	3276.4	3251.1	3212.2	3124.5	3011.4	2842.6	2653.5	2452.6	2256.8	2081.2
30°	3554.9	3539.7	3514.4	3475.5	3397.9	3286.5	3095.8	2893.2	2643.4	2415.5	2204.5
32.5°	3836.8	3831.7	3803.0	3747.4	3679.8	3529.5	3322.0	3104.2	2851.0	2587.7	2341.2
35°	4155.9	4117.0	4089.9	4034.3	3919.5	3759.2	3516.1	3278.0	3011.4	2741.2	2466.1
37.5°	4425.9	4388.7	4355.0	4284.1	4144.0	3939.8	3664.6	3403.0	3127.9	2852.6	2572.4
40°	4623.4	4604.8	4564.4	4471.5	4314.5	4071.4	3774.3	3489.0	3212.2	2935.4	2658.5
42.5°	4770.3	4741.6	4696.0	4599.8	4414.1	4137.2	3818.2	3524.5	3251.1	2986.0	2714.3
45°	4824.2	4800.6	4758.4	4653.8	4452.8	4155.9	3816.5	3514.4	3252.7	3001.2	2751.4
47.5°	4792.2	4768.5	4731.4	4633.5	4436.1	4133.9	3786.1	3485.7	3235.9	3006.3	2785.2
50°	4685.8	4672.3	4643.6	4560.9	4383.7	4091.7	3759.2	3470.5	3232.4	3031.6	2832.4
52.5°	4675.8	4667.3	4631.8	4549.1	4368.5	4078.1	3755.8	3479.0	3261.1	3063.7	2866.2
55°	5713.8	5594.0	5325.6	5097.7	4723.0	4277.3	3926.2	3615.6	3382.7	3190.3	3051.9
57.5°	8120.8	7942.0	7589.1	7155.3	6294.5	5448.8	4771.9	4282.4	4041.0	3953.3	4005.6
60°	9248.5	9216.4	9160.7	8954.7	8514.2	7786.6	6976.5	6100.4	5749.2	5718.9	5825.2
62.5°	9783.5	9763.3	9780.2	9754.8	9618.1	9405.4	9172.5	8794.4	8446.6	8222.2	7746.1
65°	10029.9	10043.5	10139.7	10215.6	10232.5	10288.3	10458.8	10929.6	11274.0	10695.0	9373.4
67.5°	9403.7	9483.1	9704.2	9981.0	10305.1	10619.1	11125.5	12118.0	12825.3	12145.1	10268.0
69°	7785.0	7823.8	8363.9	8885.5	9677.2	10230.9	10965.2	12266.5	13061.6	12293.6	10197.1
70°	6129.0	6164.6	6743.5	7452.4	8791.0	9503.3	10463.8	12015.0	12840.5	12096.1	9832.5
72.5°	2764.9	2714.3	2918.5	3298.3	4753.4	5884.4	7563.8	9734.6	10593.8	9690.7	7356.3
75°	1931.1	1909.1	1931.1	1932.7	2159.0	2785.2	3514.4	5276.6	6525.7	5631.1	3514.4
77.5°	1495.5	1480.3	1465.2	1448.3	1475.3	1652.5	1723.4	1872.0	2430.7	2299.1	1340.2
80°	1183.3	1169.7	1206.9	1195.1	1195.1	1215.3	1201.9	1146.1	1041.5	965.5	864.2
82.5°	550.3	553.7	553.7	600.9	724.1	845.7	884.5	828.8	736.0	626.2	504.7
85°	52.3	59.1	99.6	153.6	305.5	344.4	346.0	286.9	286.9	226.2	182.3
87.5°	0.0	1.7	1.7	1.7	15.2	42.2	35.4	10.2	5.1	5.1	8.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1
2.5°	898.0	893.0	872.6	852.4	833.9	813.6	795.0	776.5	756.2	741.0	722.5
5°	1049.9	1012.7	970.6	930.1	889.5	847.4	803.5	764.7	724.1	687.0	651.6
7.5°	1203.5	1131.0	1073.6	1000.9	935.1	869.3	808.5	746.1	688.7	634.7	584.0
10°	1333.5	1245.7	1156.3	1063.4	968.9	881.1	796.7	722.5	646.5	580.6	518.2
12.5°	1439.9	1328.4	1218.8	1102.3	996.0	884.5	779.9	690.4	600.9	526.6	462.5
15°	1536.1	1407.8	1276.2	1141.0	1006.0	879.5	763.0	651.6	560.4	476.1	403.4
17.5°	1613.7	1466.8	1318.3	1166.4	1021.2	872.6	741.0	624.6	518.2	430.5	359.6
20°	1681.2	1527.7	1367.3	1196.8	1031.4	871.0	722.5	590.8	481.0	388.2	319.1
22.5°	1743.7	1590.1	1417.9	1235.6	1046.5	869.3	705.6	565.5	449.0	356.2	286.9
25°	1814.6	1652.5	1471.9	1276.2	1073.6	876.1	695.4	545.2	420.3	325.8	261.7
27.5°	1893.9	1723.4	1536.1	1326.7	1109.0	889.5	692.1	523.3	395.0	297.1	241.3
30°	2005.3	1807.9	1600.2	1377.4	1141.0	904.8	688.7	509.7	369.6	275.1	221.1
32.5°	2103.2	1890.6	1671.1	1429.7	1176.5	920.0	687.0	491.2	346.0	253.2	205.9
35°	2206.2	1966.5	1731.9	1480.3	1206.9	936.8	685.3	477.7	324.0	231.3	190.8
37.5°	2295.6	2030.7	1779.2	1524.2	1240.6	952.0	687.0	465.9	303.8	212.6	177.2
40°	2371.6	2096.5	1831.5	1564.8	1276.2	975.6	688.7	454.1	283.6	195.9	165.4
42.5°	2439.2	2159.0	1887.2	1610.4	1316.6	1002.7	698.9	443.9	266.7	180.6	153.6
45°	2491.5	2216.3	1948.0	1674.5	1382.5	1046.5	717.4	437.2	249.8	167.2	143.5
47.5°	2545.5	2300.7	2050.9	1775.8	1478.7	1115.8	749.4	435.5	236.3	157.0	135.0
50°	2619.8	2385.1	2142.1	1878.8	1566.4	1186.6	788.3	437.2	219.5	146.8	126.6
52.5°	2673.8	2471.2	2260.2	2057.6	1775.8	1402.7	938.5	467.6	211.0	138.4	116.5
55°	2992.7	2957.3	2962.4	2996.2	2778.4	2386.8	1569.8	675.2	248.1	157.0	114.8
57.5°	4220.0	4344.9	4417.4	4415.8	4056.3	3364.1	2108.3	867.7	276.8	182.3	136.7
60°	5833.7	5739.2	5605.8	5276.6	4799.0	3840.2	2358.1	933.5	239.7	145.2	124.9
62.5°	7260.0	6706.3	6215.1	5681.8	5055.5	4005.6	2408.7	928.4	209.3	109.7	87.8
65°	8149.5	7153.7	6360.3	5691.9	4954.2	3867.2	2278.8	852.4	177.2	89.4	72.5
67.5°	8362.3	6912.3	5789.7	4937.3	4139.0	3009.6	1672.7	641.5	138.4	74.3	64.1
69°	7898.0	6144.2	4797.2	3830.1	3011.4	1996.9	1034.7	405.1	106.3	67.6	59.1
70°	7265.1	5344.1	3907.7	3073.8	2229.8	1402.7	724.1	285.3	86.1	62.5	54.0
72.5°	4674.0	2807.2	1920.9	1336.9	920.0	558.8	283.6	128.3	65.8	52.3	43.9
75°	1812.8	1038.1	752.8	572.2	447.4	310.6	172.1	82.7	55.8	43.9	33.8
77.5°	893.0	683.6	558.8	383.2	222.8	138.4	92.8	64.1	45.6	32.0	22.0
80°	705.6	469.2	280.2	173.9	131.7	99.6	70.9	52.3	33.8	20.2	15.2
82.5°	361.2	197.5	145.2	118.1	97.9	77.6	57.4	37.1	22.0	13.5	11.8
85°	113.1	82.7	74.3	72.5	67.6	55.8	40.5	23.6	13.5	8.4	8.4
87.5°	8.4	11.8	15.2	11.8	13.5	11.8	15.2	10.2	6.7	6.7	5.1
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1	778.1
2.5°	708.9	688.7	670.2	658.3	636.4	628.0	619.5	616.1	600.9	604.2	590.8
5°	619.5	584.0	557.0	530.1	504.7	486.1	471.0	452.3	437.2	430.5	416.9
7.5°	538.4	492.8	457.4	428.7	398.3	374.7	354.5	340.9	327.5	314.0	307.3
10°	467.6	418.7	378.1	349.4	320.7	300.4	285.3	275.1	266.7	261.7	260.0
12.5°	401.8	354.5	317.3	292.0	270.1	260.0	253.2	248.1	246.4	244.8	244.8
15°	351.1	303.8	275.1	256.6	246.4	241.3	239.7	236.3	233.0	231.3	231.3
17.5°	303.8	268.4	248.1	238.0	233.0	229.5	226.2	222.8	219.5	217.7	217.7
20°	271.8	243.1	233.0	226.2	221.1	217.7	212.6	209.3	207.7	205.9	204.2
22.5°	246.4	227.9	221.1	216.1	209.3	204.2	200.8	197.5	194.1	192.4	190.8
25°	227.9	216.1	211.0	204.2	197.5	192.4	187.4	182.3	179.0	177.2	173.9
27.5°	214.4	205.9	199.2	190.8	184.0	179.0	173.9	168.8	165.4	162.1	160.3
30°	202.6	194.1	185.7	179.0	170.5	165.4	158.7	153.6	151.9	148.5	145.2
32.5°	190.8	182.3	173.9	165.4	157.0	150.3	146.8	140.1	136.7	135.0	131.7
35°	177.2	168.8	158.7	151.9	143.5	136.7	131.7	126.6	123.2	119.9	118.1
37.5°	165.4	155.3	145.2	136.7	129.9	123.2	118.1	113.1	109.7	106.3	104.7
40°	151.9	141.8	131.7	123.2	116.5	111.4	106.3	101.2	97.9	96.2	96.2
42.5°	140.1	128.3	118.1	111.4	106.3	99.6	94.5	89.4	87.8	86.1	87.8
45°	128.3	116.5	108.0	101.2	96.2	89.4	84.4	81.0	79.4	81.0	82.7
47.5°	118.1	106.3	97.9	92.8	87.8	82.7	77.6	74.3	74.3	77.6	81.0
50°	108.0	96.2	89.4	86.1	81.0	76.0	69.2	67.6	69.2	72.5	76.0
52.5°	97.9	84.4	79.4	77.6	72.5	67.6	62.5	60.7	62.5	65.8	64.1
55°	87.8	74.3	72.5	70.9	65.8	59.1	54.0	54.0	54.0	52.3	48.9
57.5°	84.4	65.8	64.1	62.5	57.4	50.7	47.3	43.9	42.2	37.1	35.4
60°	87.8	59.1	59.1	55.8	50.7	43.9	38.9	33.8	30.4	27.0	27.0
62.5°	70.9	54.0	52.3	48.9	42.2	35.4	30.4	25.3	23.6	22.0	22.0
65°	57.4	48.9	45.6	40.5	35.4	28.7	23.6	20.2	18.5	18.5	20.2
67.5°	52.3	43.9	38.9	33.8	28.7	22.0	18.5	16.9	16.9	18.5	18.5
69°	48.9	40.5	35.4	30.4	25.3	20.2	16.9	16.9	16.9	16.9	18.5
70°	45.6	38.9	33.8	28.7	22.0	16.9	15.2	15.2	16.9	16.9	18.5
72.5°	35.4	30.4	28.7	23.6	16.9	15.2	13.5	15.2	15.2	16.9	16.9
75°	27.0	22.0	22.0	18.5	13.5	11.8	11.8	13.5	13.5	15.2	15.2
77.5°	18.5	15.2	15.2	13.5	11.8	10.2	10.2	11.8	13.5	13.5	15.2
80°	13.5	11.8	10.2	11.8	10.2	8.4	10.2	11.8	11.8	13.5	13.5
82.5°	10.2	10.2	10.2	10.2	8.4	8.4	10.2	10.2	11.8	13.5	13.5
85°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	10.2	10.2	11.8	11.8
87.5°	5.1	5.1	5.1	6.7	6.7	8.4	8.4	8.4	8.4	10.2	10.2
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-E06-LED-E1-SL4-HSS-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	778.1	778.1	778.1	778.1
2.5°	587.5	585.7	579.0	580.6
5°	411.9	401.8	408.5	406.8
7.5°	302.2	300.4	298.8	302.2
10°	258.2	258.2	256.6	258.2
12.5°	243.1	243.1	243.1	243.1
15°	231.3	231.3	229.5	229.5
17.5°	217.7	217.7	217.7	216.1
20°	204.2	202.6	202.6	202.6
22.5°	189.0	187.4	187.4	187.4
25°	173.9	172.1	172.1	172.1
27.5°	158.7	157.0	155.3	155.3
30°	143.5	141.8	140.1	140.1
32.5°	128.3	126.6	124.9	124.9
35°	114.8	114.8	113.1	111.4
37.5°	103.0	103.0	103.0	103.0
40°	94.5	96.2	96.2	96.2
42.5°	89.4	91.2	92.8	94.5
45°	86.1	89.4	91.2	91.2
47.5°	84.4	86.1	87.8	87.8
50°	77.6	76.0	76.0	76.0
52.5°	62.5	59.1	57.4	55.8
55°	45.6	43.9	40.5	40.5
57.5°	32.0	32.0	30.4	30.4
60°	25.3	25.3	23.6	25.3
62.5°	22.0	22.0	22.0	22.0
65°	20.2	20.2	20.2	20.2
67.5°	20.2	20.2	20.2	20.2
69°	18.5	18.5	18.5	18.5
70°	18.5	18.5	18.5	18.5
72.5°	16.9	16.9	16.9	16.9
75°	15.2	16.9	16.9	16.9
77.5°	15.2	15.2	15.2	15.2
80°	13.5	13.5	15.2	15.2
82.5°	13.5	13.5	13.5	13.5
85°	11.8	11.8	13.5	13.5
87.5°	10.2	10.2	11.8	11.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)