

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: P151566

Luminaire Tested: **VXM-F06-LED-E1-SL4-HSS-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P151566
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: VXM-F06-LED-E1-SL4-HSS-7050
Description: VISION SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (42) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10341.8 lumens
Efficiency: N/A
Efficacy: 66.1 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): 156.5
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



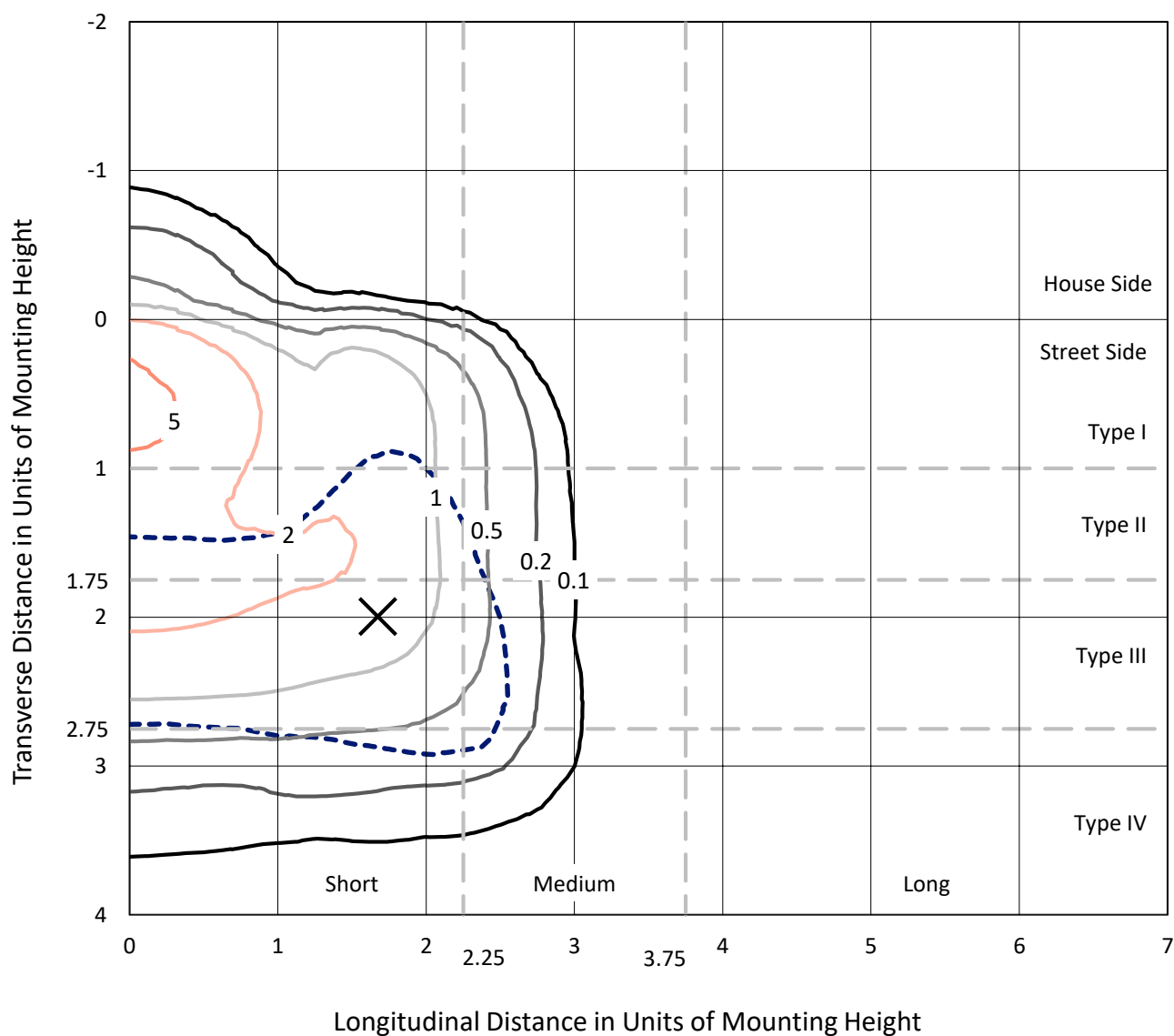
REPORT NUMBER: P151566

CATALOG NUMBER: VXM-F06-LED-E1-SL4-HSS-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

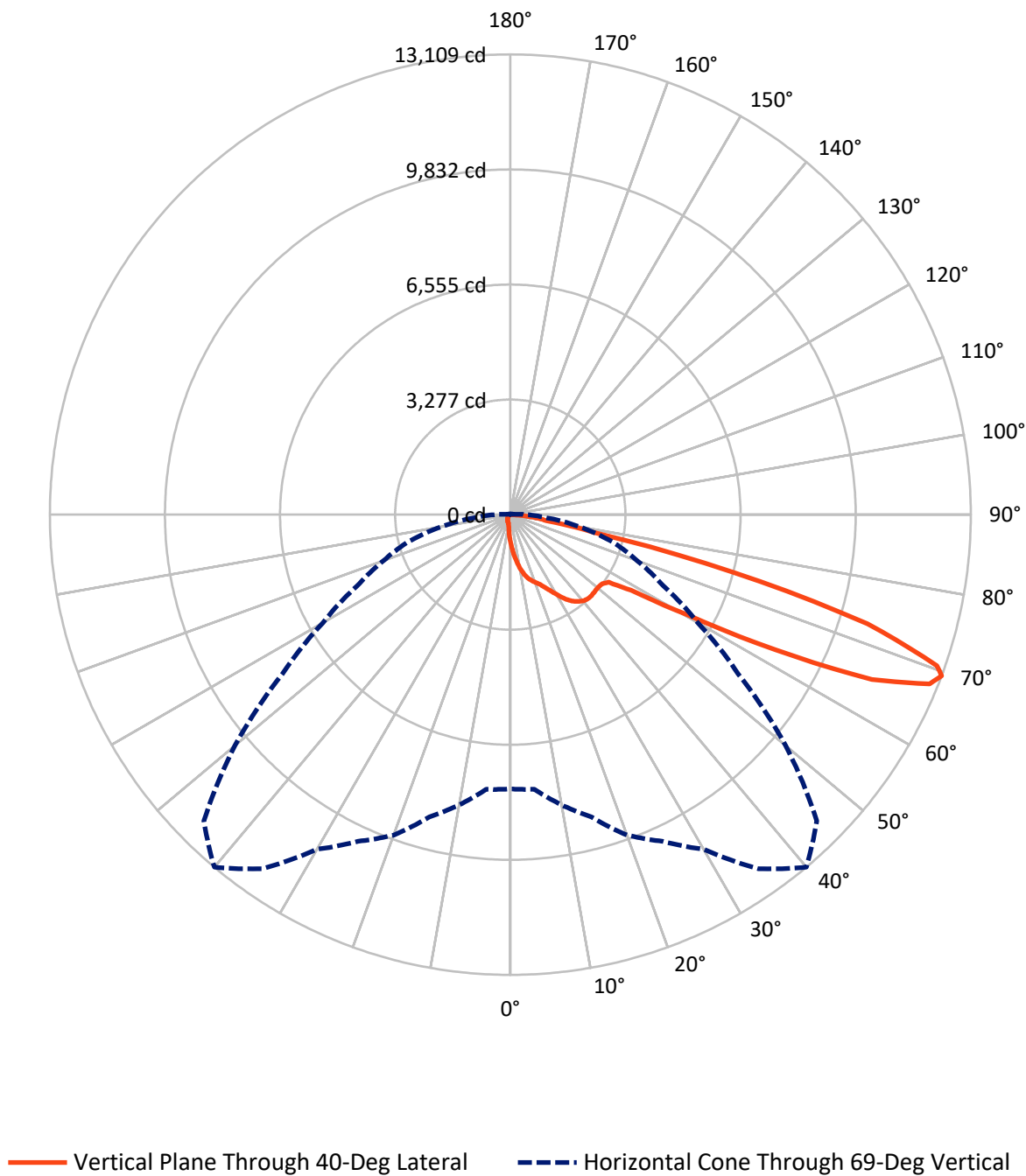


Based on 20 foot mounting height. Maximum calculated value = 5.8 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P151566

CATALOG NUMBER: VXM-F06-LED-E1-SL4-HSS-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P151566

CATALOG NUMBER: VXM-F06-LED-E1-SL4-HSS-7050

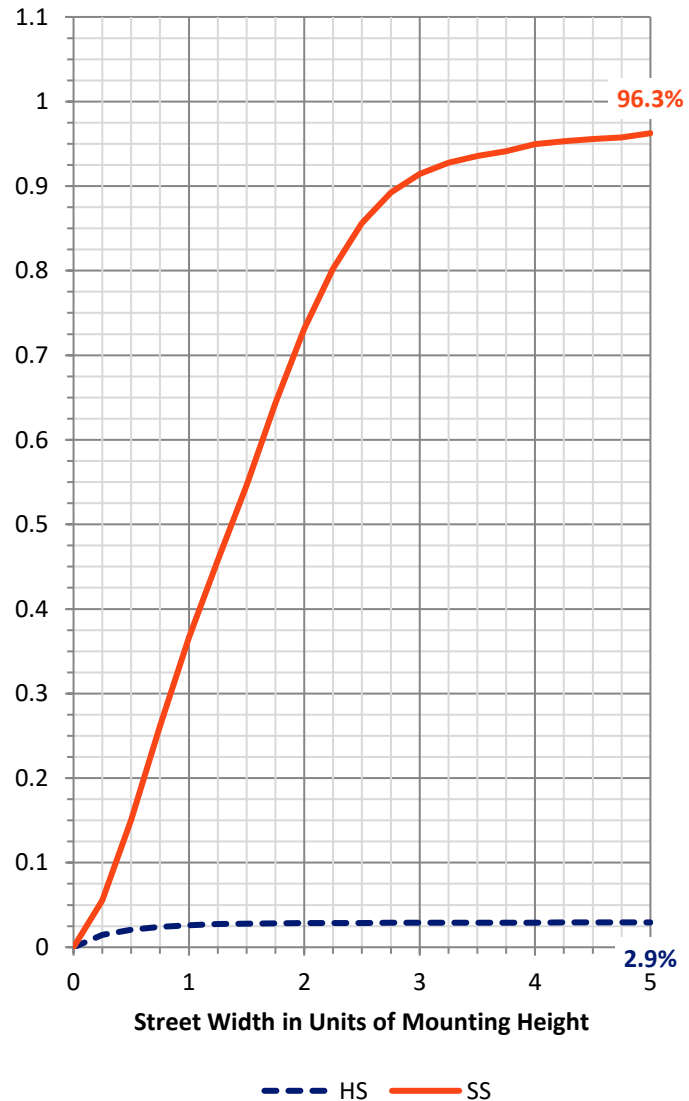
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	308.0	0.0	308.0
	% Fixture	3.0	0.0	3.0
Street Side	Lumens	10033.8	0.0	10033.8
	% Fixture	97.0	0.0	97.0
Total	Lumens	10341.8	0.0	10341.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.3	0.8
10°-20°	276.8	2.7
20°-30°	529.7	5.1
30°-40°	880.9	8.5
40°-50°	1192.1	11.5
50°-60°	1864.3	18.0
60°-70°	3832.8	37.1
70°-80°	1542.3	14.9
80°-90°	142.7	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°	10341.8	100.0
0°-180°	10341.8	100.0

Coefficient of Utilization



REPORT NUMBER: P151566

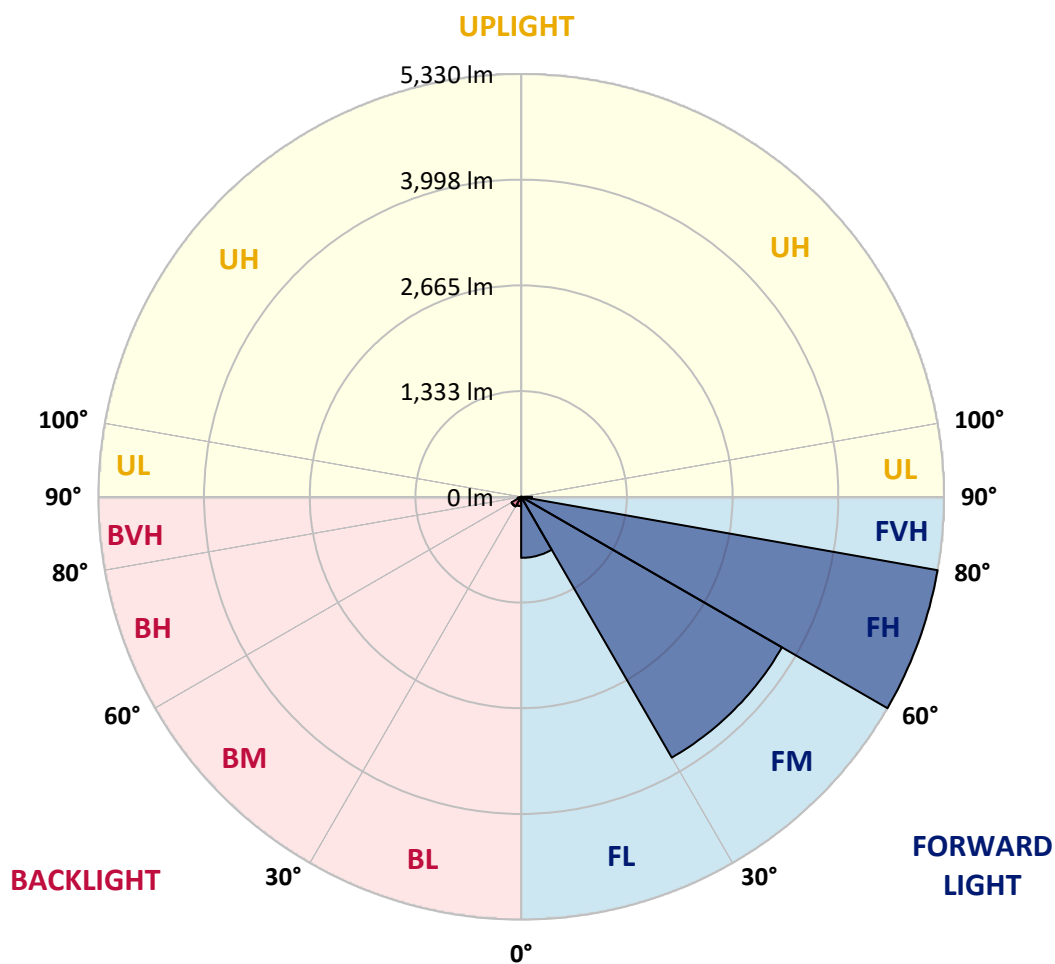
CATALOG NUMBER: VXM-F06-LED-E1-SL4-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	769.6	7.4			
FM	(30°-60°)	3796.6	36.7			
FH	(60°-80°)	5330.2	51.5			G3/7500
FVH	(80°-90°)	137.4	1.3			G2/225
BL	(0°-30°)	117.1	1.1	B1/500		
BM	(30°-60°)	140.6	1.4	B0/220		
BH	(60°-80°)	44.9	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



REPORT NUMBER: P151566

CATALOG NUMBER: VXM-F06-LED-E1-SL4-HSS-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	781.0	781.0	781.0	781.0	781.0	781.0	781.0	781.0	781.0	781.0	781.0
2.5°	1041.9	1030.0	1016.5	1016.5	999.5	999.5	989.4	962.3	958.9	943.6	928.4
5°	1329.9	1319.7	1302.8	1287.6	1274.0	1250.3	1233.3	1201.2	1165.6	1131.7	1101.2
7.5°	1611.1	1606.1	1575.6	1570.5	1548.5	1509.5	1475.6	1428.2	1367.2	1319.7	1263.8
10°	1872.0	1860.2	1853.4	1824.6	1792.4	1750.1	1697.5	1639.9	1568.8	1494.2	1414.6
12.5°	2078.7	2071.9	2041.5	2029.6	1995.7	1953.4	1887.3	1812.7	1741.6	1645.0	1551.8
15°	2232.9	2221.0	2200.7	2182.1	2141.4	2104.1	2043.1	1961.8	1875.4	1770.4	1658.6
17.5°	2361.6	2339.6	2334.5	2305.7	2263.4	2219.3	2151.6	2077.0	1975.4	1870.3	1748.4
20°	2534.5	2504.0	2493.8	2451.4	2402.3	2341.3	2263.4	2170.2	2063.5	1948.3	1822.9
22.5°	2737.7	2715.7	2693.7	2656.4	2593.7	2507.3	2393.8	2292.2	2156.7	2029.6	1894.1
25°	3025.8	3007.1	2971.5	2920.7	2842.8	2739.4	2602.2	2453.1	2293.9	2131.2	1972.0
27.5°	3305.3	3288.3	3262.9	3224.0	3135.9	3022.4	2853.0	2663.2	2461.6	2265.1	2088.9
30°	3567.9	3552.6	3527.2	3488.3	3410.3	3298.5	3107.1	2903.8	2653.0	2424.3	2212.6
32.5°	3850.8	3845.7	3816.9	3761.0	3693.2	3542.5	3334.1	3115.5	2861.4	2597.1	2349.8
35°	4171.0	4132.0	4104.9	4049.0	3933.8	3772.9	3528.9	3290.0	3022.4	2751.3	2475.2
37.5°	4442.1	4404.8	4370.9	4299.8	4159.1	3954.1	3678.0	3415.4	3139.3	2863.1	2581.9
40°	4640.3	4621.6	4581.0	4487.8	4330.3	4086.3	3788.1	3501.8	3224.0	2946.1	2668.3
42.5°	4787.7	4758.9	4713.1	4616.6	4430.2	4152.4	3832.2	3537.4	3262.9	2997.0	2724.2
45°	4841.9	4818.2	4775.8	4670.8	4469.2	4171.0	3830.5	3527.2	3264.6	3012.2	2761.5
47.5°	4809.7	4786.0	4748.7	4650.4	4452.2	4149.0	3800.0	3498.4	3247.7	3017.3	2795.3
50°	4703.0	4689.4	4660.6	4577.6	4399.7	4106.6	3772.9	3483.2	3244.3	3042.7	2842.8
52.5°	4692.8	4684.3	4648.8	4565.7	4384.5	4093.1	3769.5	3491.6	3273.1	3074.9	2876.7
55°	5734.7	5614.4	5345.0	5116.3	4740.2	4293.0	3940.6	3628.9	3395.1	3201.9	3063.0
57.5°	8150.6	7971.0	7616.9	7181.5	6317.5	5468.7	4789.4	4298.1	4055.8	3967.7	4020.2
60°	9282.3	9250.1	9194.2	8987.5	8545.3	7815.1	7001.9	6122.7	5770.3	5739.8	5846.5
62.5°	9819.3	9799.0	9815.9	9790.5	9653.3	9439.8	9206.0	8826.5	8477.5	8252.2	7774.5
65°	10066.6	10080.2	10176.8	10253.0	10269.9	10325.9	10497.0	10969.6	11315.2	10734.1	9407.6
67.5°	9438.1	9517.7	9739.7	10017.5	10342.8	10657.9	11166.2	12162.3	12872.2	12189.4	10305.5
69°	7813.4	7852.4	8394.5	8918.0	9712.6	10268.3	11005.2	12311.4	13109.3	12338.5	10234.4
70°	6151.5	6187.0	6768.1	7479.7	8823.1	9538.1	10502.0	12059.0	12887.4	12140.3	9868.4
72.5°	2775.0	2724.2	2929.2	3310.4	4770.7	5905.8	7591.5	9770.2	10632.5	9726.1	7383.1
75°	1938.1	1916.1	1938.1	1939.8	2166.8	2795.3	3527.2	5295.9	6549.6	5651.7	3527.2
77.5°	1501.0	1485.8	1470.5	1453.6	1480.7	1658.6	1729.7	1878.8	2439.6	2307.4	1345.2
80°	1187.6	1174.0	1211.3	1199.5	1199.5	1219.8	1206.2	1150.3	1045.3	969.1	867.4
82.5°	552.3	555.7	555.7	603.1	726.8	848.8	887.7	831.8	738.6	628.5	506.6
85°	52.5	59.3	100.0	154.2	306.6	345.6	347.3	288.0	288.0	227.0	183.0
87.5°	0.0	1.7	1.7	1.7	15.2	42.4	35.6	10.2	5.1	5.1	8.5
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: P151566

CATALOG NUMBER: VXM-F06-LED-E1-SL4-HSS-7050

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	781.0	781.0	781.0	781.0	781.0	781.0	781.0	781.0	781.0	781.0	781.0
2.5°	901.3	896.2	875.9	855.5	836.9	816.6	797.9	779.3	759.0	743.7	725.1
5°	1053.8	1016.5	974.1	933.5	892.8	850.5	806.4	767.5	726.8	689.5	653.9
7.5°	1207.9	1135.1	1077.5	1004.6	938.6	872.5	811.5	748.8	691.2	637.0	586.2
10°	1338.4	1250.3	1160.5	1067.3	972.4	884.3	799.6	725.1	648.9	582.8	520.1
12.5°	1445.1	1333.3	1223.2	1106.3	999.5	887.7	782.7	692.9	603.1	528.6	464.2
15°	1541.7	1412.9	1280.8	1145.2	1009.7	882.7	765.8	653.9	562.5	477.8	404.9
17.5°	1619.6	1472.2	1323.1	1170.7	1025.0	875.9	743.7	626.8	520.1	432.0	360.9
20°	1687.4	1533.2	1372.3	1201.2	1035.1	874.2	725.1	593.0	482.8	389.7	320.2
22.5°	1750.1	1595.9	1423.1	1240.1	1050.4	872.5	708.2	567.5	450.6	357.5	288.0
25°	1821.2	1658.6	1477.3	1280.8	1077.5	879.3	698.0	547.2	421.8	327.0	262.6
27.5°	1900.8	1729.7	1541.7	1331.6	1113.1	892.8	694.6	525.2	396.4	298.2	242.3
30°	2012.7	1814.4	1606.1	1382.4	1145.2	908.1	691.2	511.6	371.0	276.1	221.9
32.5°	2110.9	1897.4	1677.2	1434.9	1180.8	923.3	689.5	493.0	347.3	254.1	206.7
35°	2214.3	1973.7	1738.2	1485.8	1211.3	940.3	687.8	479.4	325.3	232.1	191.4
37.5°	2304.0	2038.1	1785.6	1529.8	1245.2	955.5	689.5	467.6	304.9	213.5	177.9
40°	2380.3	2104.1	1838.2	1570.5	1280.8	979.2	691.2	455.7	284.6	196.5	166.0
42.5°	2448.0	2166.8	1894.1	1616.2	1321.4	1006.3	701.4	445.6	267.7	181.3	154.2
45°	2500.6	2224.4	1955.1	1680.6	1387.5	1050.4	720.0	438.8	250.7	167.7	144.0
47.5°	2554.8	2309.1	2058.4	1782.2	1484.1	1119.8	752.2	437.1	237.2	157.6	135.5
50°	2629.3	2393.8	2149.9	1885.6	1572.2	1191.0	791.2	438.8	220.2	147.4	127.1
52.5°	2683.5	2480.2	2268.5	2065.2	1782.2	1407.8	941.9	469.3	211.8	138.9	116.9
55°	3003.7	2968.2	2973.2	3007.1	2788.6	2395.5	1575.6	677.7	249.0	157.6	115.2
57.5°	4235.4	4360.7	4433.6	4431.9	4071.0	3376.4	2116.0	870.8	277.8	183.0	137.2
60°	5855.0	5760.1	5626.3	5295.9	4816.5	3854.2	2366.7	936.9	240.6	145.7	125.4
62.5°	7286.5	6730.9	6237.9	5702.5	5074.0	4020.2	2417.6	931.8	210.1	110.1	88.1
65°	8179.4	7179.8	6383.6	5712.7	4972.3	3881.3	2287.1	855.5	177.9	89.8	72.8
67.5°	8392.8	6937.5	5810.9	4955.4	4154.1	3020.7	1678.9	643.8	138.9	74.5	64.4
69°	7926.9	6166.7	4814.8	3844.0	3022.4	2004.2	1038.5	406.6	106.7	67.8	59.3
70°	7291.6	5363.7	3922.0	3085.0	2238.0	1407.8	726.8	286.3	86.4	62.7	54.2
72.5°	4691.1	2817.4	1927.9	1341.8	923.3	560.8	284.6	128.8	66.1	52.5	44.0
75°	1819.5	1041.9	755.6	574.3	449.0	311.7	172.8	83.0	55.9	44.0	33.9
77.5°	896.2	686.1	560.8	384.6	223.6	138.9	93.2	64.4	45.7	32.2	22.0
80°	708.2	471.0	281.2	174.5	132.1	100.0	71.2	52.5	33.9	20.3	15.2
82.5°	362.5	198.2	145.7	118.6	98.3	77.9	57.6	37.3	22.0	13.6	11.9
85°	113.5	83.0	74.5	72.8	67.8	55.9	40.7	23.7	13.6	8.5	8.5
87.5°	8.5	11.9	15.2	11.9	13.6	11.9	15.2	10.2	6.8	6.8	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

REPORT NUMBER: P151566

CATALOG NUMBER: VXM-F06-LED-E1-SL4-HSS-7050

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	781.0	781.0	781.0	781.0	781.0	781.0	781.0	781.0	781.0	781.0	781.0
2.5°	711.5	691.2	672.6	660.7	638.7	630.2	621.8	618.4	603.1	606.5	593.0
5°	621.8	586.2	559.1	532.0	506.6	487.9	472.7	454.0	438.8	432.0	418.5
7.5°	540.4	494.7	459.1	430.3	399.8	376.1	355.8	342.2	328.7	315.1	308.3
10°	469.3	420.1	379.5	350.7	321.9	301.6	286.3	276.1	267.7	262.6	260.9
12.5°	403.2	355.8	318.5	293.1	271.1	260.9	254.1	249.0	247.3	245.7	245.7
15°	352.4	304.9	276.1	257.5	247.3	242.3	240.6	237.2	233.8	232.1	232.1
17.5°	304.9	269.4	249.0	238.9	233.8	230.4	227.0	223.6	220.2	218.5	218.5
20°	272.8	244.0	233.8	227.0	221.9	218.5	213.5	210.1	208.4	206.7	205.0
22.5°	247.3	228.7	221.9	216.9	210.1	205.0	201.6	198.2	194.8	193.1	191.4
25°	228.7	216.9	211.8	205.0	198.2	193.1	188.1	183.0	179.6	177.9	174.5
27.5°	215.2	206.7	199.9	191.4	184.7	179.6	174.5	169.4	166.0	162.6	160.9
30°	203.3	194.8	186.4	179.6	171.1	166.0	159.3	154.2	152.5	149.1	145.7
32.5°	191.4	183.0	174.5	166.0	157.6	150.8	147.4	140.6	137.2	135.5	132.1
35°	177.9	169.4	159.3	152.5	144.0	137.2	132.1	127.1	123.7	120.3	118.6
37.5°	166.0	155.9	145.7	137.2	130.4	123.7	118.6	113.5	110.1	106.7	105.0
40°	152.5	142.3	132.1	123.7	116.9	111.8	106.7	101.6	98.3	96.6	96.6
42.5°	140.6	128.8	118.6	111.8	106.7	100.0	94.9	89.8	88.1	86.4	88.1
45°	128.8	116.9	108.4	101.6	96.6	89.8	84.7	81.3	79.6	81.3	83.0
47.5°	118.6	106.7	98.3	93.2	88.1	83.0	77.9	74.5	74.5	77.9	81.3
50°	108.4	96.6	89.8	86.4	81.3	76.2	69.5	67.8	69.5	72.8	76.2
52.5°	98.3	84.7	79.6	77.9	72.8	67.8	62.7	61.0	62.7	66.1	64.4
55°	88.1	74.5	72.8	71.2	66.1	59.3	54.2	54.2	54.2	52.5	49.1
57.5°	84.7	66.1	64.4	62.7	57.6	50.8	47.4	44.0	42.4	37.3	35.6
60°	88.1	59.3	59.3	55.9	50.8	44.0	39.0	33.9	30.5	27.1	27.1
62.5°	71.2	54.2	52.5	49.1	42.4	35.6	30.5	25.4	23.7	22.0	22.0
65°	57.6	49.1	45.7	40.7	35.6	28.8	23.7	20.3	18.6	18.6	20.3
67.5°	52.5	44.0	39.0	33.9	28.8	22.0	18.6	16.9	16.9	18.6	18.6
69°	49.1	40.7	35.6	30.5	25.4	20.3	16.9	16.9	16.9	16.9	18.6
70°	45.7	39.0	33.9	28.8	22.0	16.9	15.2	15.2	16.9	16.9	18.6
72.5°	35.6	30.5	28.8	23.7	16.9	15.2	13.6	15.2	15.2	16.9	16.9
75°	27.1	22.0	22.0	18.6	13.6	11.9	11.9	13.6	13.6	15.2	15.2
77.5°	18.6	15.2	15.2	13.6	11.9	10.2	10.2	11.9	13.6	13.6	15.2
80°	13.6	11.9	10.2	11.9	10.2	8.5	10.2	11.9	11.9	13.6	13.6
82.5°	10.2	10.2	10.2	10.2	8.5	8.5	10.2	10.2	11.9	13.6	13.6
85°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	10.2	10.2	11.9	11.9
87.5°	5.1	5.1	5.1	6.8	6.8	8.5	8.5	8.5	8.5	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

REPORT NUMBER: P151566

CATALOG NUMBER: VXM-F06-LED-E1-SL4-HSS-7050

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	781.0	781.0	781.0	781.0
2.5°	589.6	587.9	581.1	582.8
5°	413.4	403.2	410.0	408.3
7.5°	303.3	301.6	299.9	303.3
10°	259.2	259.2	257.5	259.2
12.5°	244.0	244.0	244.0	244.0
15°	232.1	232.1	230.4	230.4
17.5°	218.5	218.5	218.5	216.9
20°	205.0	203.3	203.3	203.3
22.5°	189.7	188.1	188.1	188.1
25°	174.5	172.8	172.8	172.8
27.5°	159.3	157.6	155.9	155.9
30°	144.0	142.3	140.6	140.6
32.5°	128.8	127.1	125.4	125.4
35°	115.2	115.2	113.5	111.8
37.5°	103.3	103.3	103.3	103.3
40°	94.9	96.6	96.6	96.6
42.5°	89.8	91.5	93.2	94.9
45°	86.4	89.8	91.5	91.5
47.5°	84.7	86.4	88.1	88.1
50°	77.9	76.2	76.2	76.2
52.5°	62.7	59.3	57.6	55.9
55°	45.7	44.0	40.7	40.7
57.5°	32.2	32.2	30.5	30.5
60°	25.4	25.4	23.7	25.4
62.5°	22.0	22.0	22.0	22.0
65°	20.3	20.3	20.3	20.3
67.5°	20.3	20.3	20.3	20.3
69°	18.6	18.6	18.6	18.6
70°	18.6	18.6	18.6	18.6
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°	13.6	13.6	15.2	15.2
82.5°	13.6	13.6	13.6	13.6
85°	11.9	11.9	13.6	13.6
87.5°	10.2	10.2	11.9	11.9
90°	0.0	0.0	0.0	0.0

(END OF REPORT)