

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P635363

Luminaire Tested: GWS-SA3D-750-U-T3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635363  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-750-U-T3-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

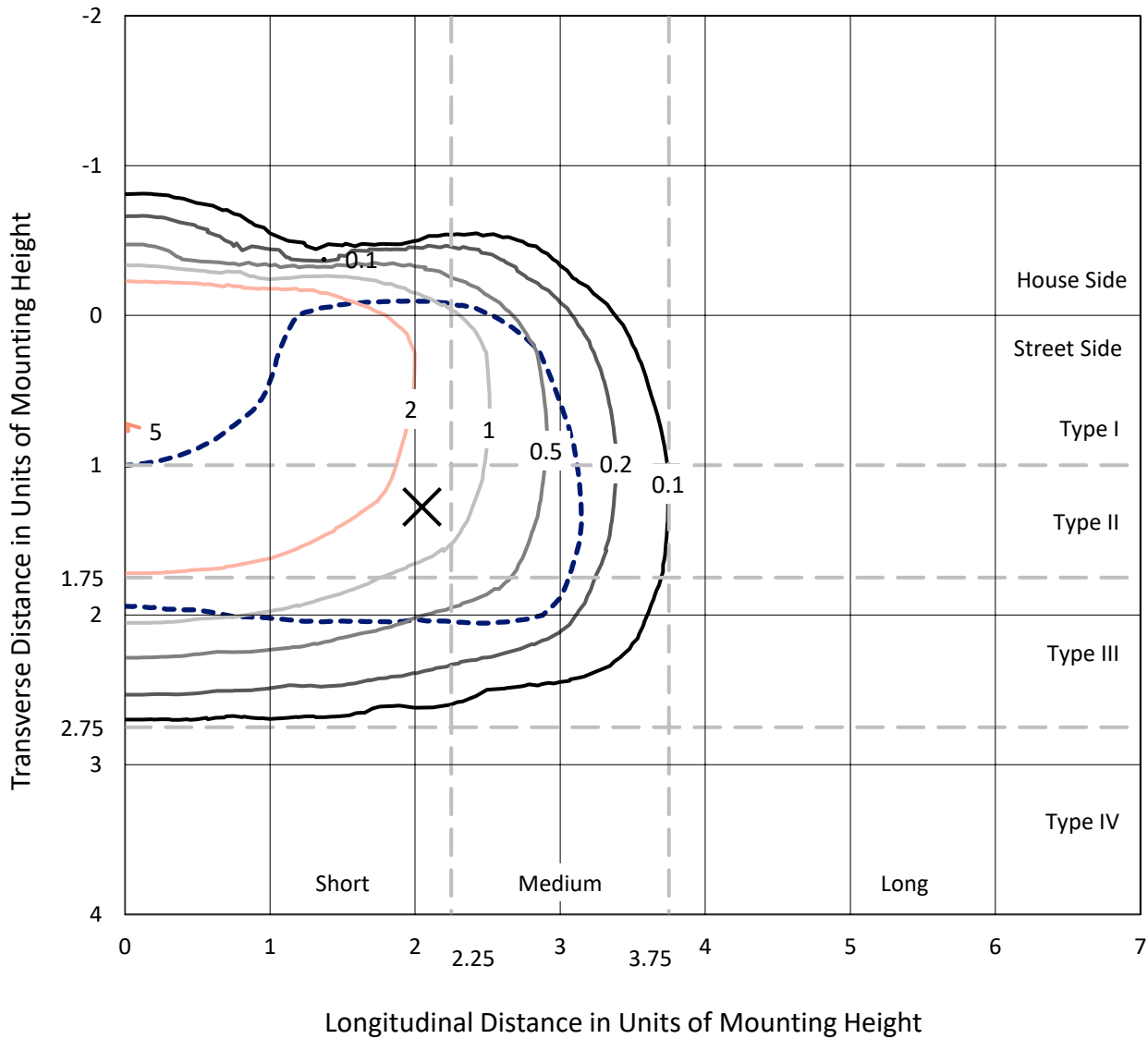
Lumens per Lamp: N/A  
Luminaire Lumens: 13215.7 lumens  
Efficiency: N/A  
Efficacy: 109.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

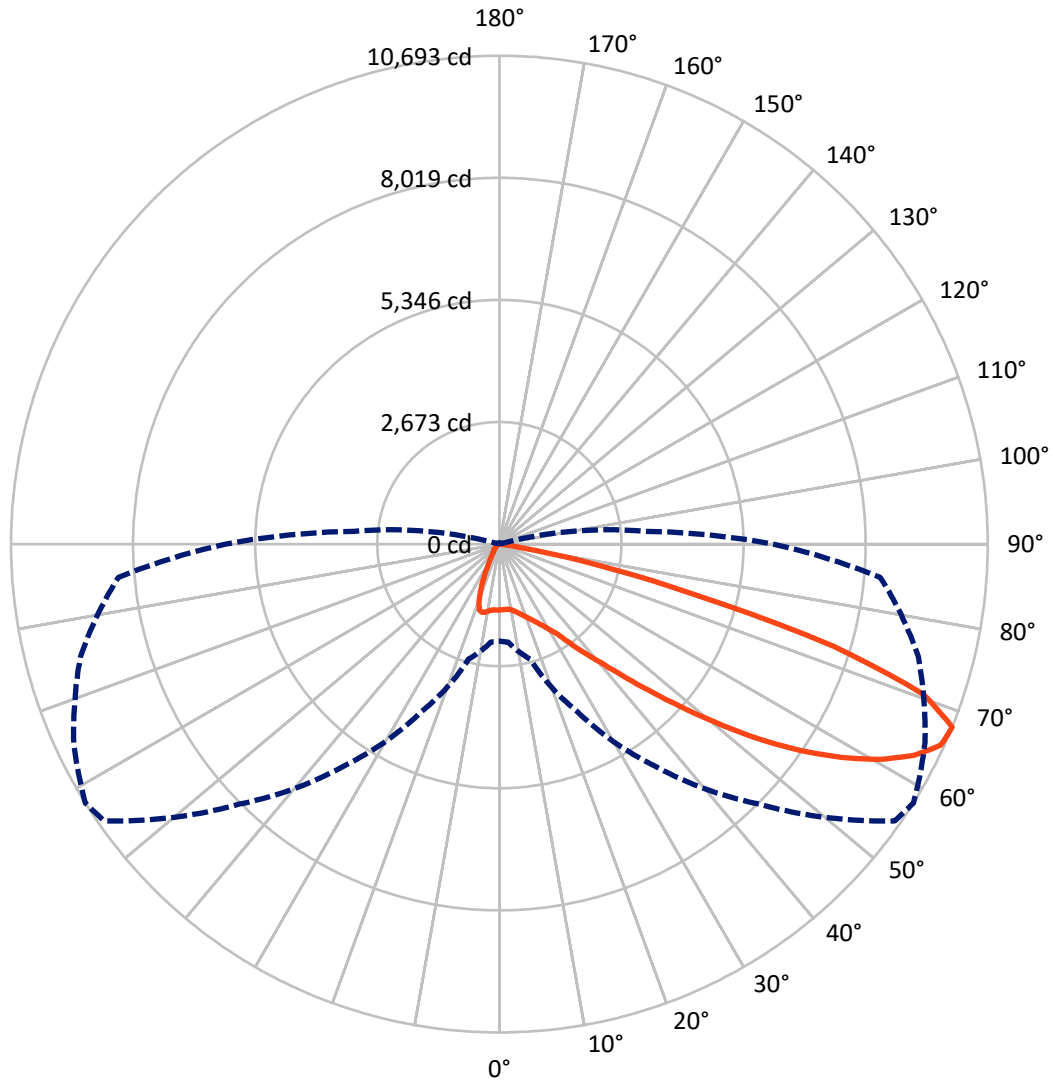
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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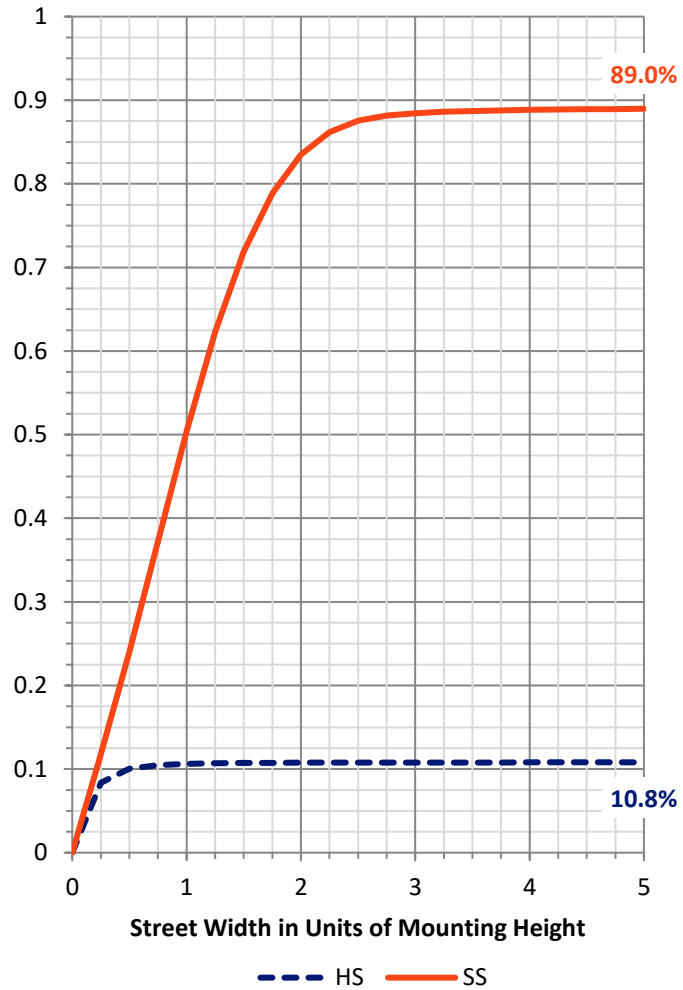
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1441.8	0.0	1441.8
	% Fixture	10.9	0.0	10.9
<b>Street Side</b>	Lumens	11773.9	0.0	11773.9
	% Fixture	89.1	0.0	89.1
<b>Total</b>	Lumens	13215.7	0.0	13215.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.3	1.0
10°-20°	379.8	2.9
20°-30°	663.0	5.0
30°-40°	1184.0	9.0
40°-50°	2164.2	16.4
50°-60°	3599.3	27.2
60°-70°	3909.5	29.6
70°-80°	1147.9	8.7
80°-90°	32.7	0.2
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°	13215.7	100.0
0°-180°	13215.7	100.0

**Coefficient of Utilization**



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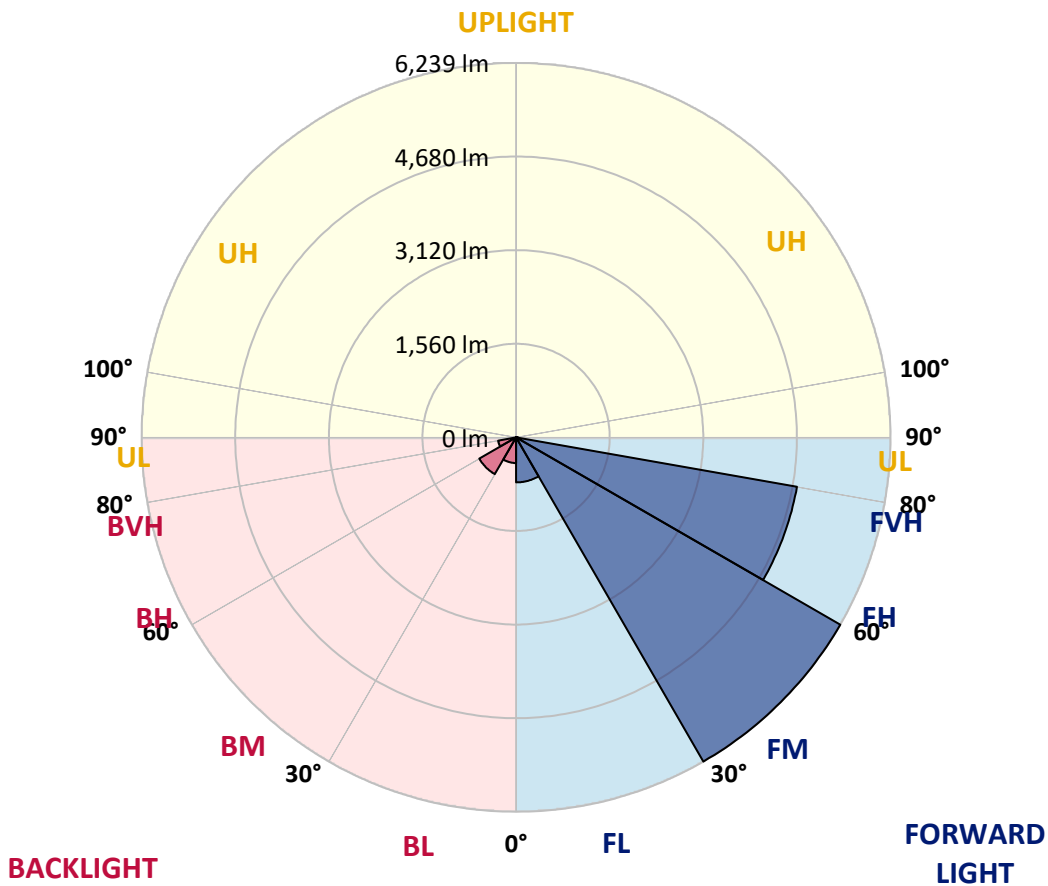
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	750.4	5.7			
FM (30°-60°)	6239.4	47.2			
FH (60°-80°)	4753.0	36.0			G2/5000
FVH (80°-90°)	31.1	0.2			G1/100
BL (0°-30°)	427.7	3.2	B1/500		
BM (30°-60°)	708.2	5.4	B1/1000		
BH (60°-80°)	304.4	2.3	B1/500		G1/500
BVH (80°-90°)	1.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1
2.5°	1413.0	1410.4	1410.4	1420.8	1422.1	1427.2	1438.8	1440.1	1446.6	1444.0	1435.0
5°	1339.5	1340.8	1348.5	1366.6	1382.0	1401.4	1429.8	1436.2	1450.4	1458.2	1453.0
7.5°	1271.1	1272.4	1284.0	1312.4	1342.0	1380.8	1427.2	1440.1	1468.5	1489.2	1490.4
10°	1245.3	1244.0	1255.6	1287.8	1326.6	1380.8	1447.9	1464.6	1507.2	1543.4	1549.8
12.5°	1253.0	1251.7	1263.3	1293.0	1335.6	1404.0	1484.0	1507.2	1561.4	1616.9	1628.5
15°	1284.0	1282.7	1290.4	1314.9	1361.4	1432.4	1530.4	1565.3	1633.7	1700.8	1718.8
17.5°	1376.9	1370.4	1362.7	1365.3	1392.4	1465.9	1589.8	1632.4	1717.6	1797.6	1813.0
20°	1542.1	1525.3	1504.6	1477.5	1464.6	1515.0	1658.2	1707.2	1810.5	1902.1	1904.7
22.5°	1791.1	1784.7	1736.9	1658.2	1602.7	1604.0	1738.2	1795.0	1921.4	2022.1	2007.9
25°	2138.2	2134.4	2060.8	1931.8	1787.2	1738.2	1840.1	1898.2	2053.1	2160.2	2115.0
27.5°	2569.2	2542.1	2455.7	2281.5	2066.0	1912.4	1969.2	2020.8	2192.4	2293.1	2207.9
30°	2944.8	2946.0	2864.7	2682.8	2440.2	2174.4	2126.6	2171.8	2320.2	2426.0	2322.8
32.5°	3306.1	3317.7	3228.6	3064.8	2798.9	2516.3	2352.4	2360.2	2484.1	2598.9	2473.7
35°	3641.6	3650.6	3588.7	3449.3	3201.5	2873.8	2667.3	2663.4	2730.5	2848.0	2684.1
37.5°	4017.1	4026.1	3965.5	3840.3	3608.0	3282.8	3024.8	3019.6	3046.7	3142.2	2955.1
40°	4417.1	4433.9	4366.8	4261.0	4039.0	3764.2	3440.3	3393.8	3366.7	3479.0	3306.1
42.5°	4822.3	4848.1	4824.9	4719.1	4529.4	4302.3	3979.7	3907.4	3849.3	3990.0	3806.8
45°	5325.6	5356.6	5346.2	5264.9	5117.8	4933.3	4628.8	4544.9	4517.8	4648.1	4430.0
47.5°	5809.5	5843.1	5880.5	5862.4	5757.9	5672.7	5334.6	5286.9	5279.1	5418.5	5080.4
50°	6169.5	6200.5	6343.7	6447.0	6517.9	6499.9	6207.0	6136.0	6124.4	6213.4	5766.9
52.5°	6427.6	6457.3	6654.7	6977.3	7238.0	7380.0	7084.4	7069.0	7005.7	6974.8	6409.6
55°	6627.6	6668.9	6876.7	7364.5	7889.7	8204.5	8020.0	7964.5	7801.9	7623.8	7005.7
57.5°	6667.6	6684.4	6977.3	7635.5	8395.5	8905.2	8905.2	8808.5	8494.9	8248.4	7694.8
60°	6308.9	6360.5	6756.7	7613.5	8612.3	9363.3	9639.5	9572.4	9149.1	8845.9	8358.1
62.5°	5512.7	5570.8	6053.4	7088.3	8395.5	9457.5	10195.7	10185.3	9707.9	9340.1	8907.8
65°	4227.4	4270.0	4690.7	5929.5	7479.3	9094.9	10593.1	10621.5	10149.2	9666.6	9097.5
67.5°	2124.0	2153.7	2608.0	4050.7	5928.2	8051.0	10566.0	10692.5	10283.4	9493.7	8373.6
70°	742.0	771.7	985.9	1738.2	3608.0	6147.6	9652.4	9858.9	9495.0	8103.9	6177.3
72.5°	254.2	268.4	409.1	645.2	1404.0	3644.2	7339.9	7650.9	6999.3	5440.4	3550.0
75°	144.5	153.6	219.4	349.7	588.4	1198.8	4164.2	4355.2	4080.3	2965.4	1460.8
77.5°	98.1	105.8	136.8	198.7	325.2	385.8	1698.2	2138.2	1864.7	967.8	372.9
80°	58.1	63.2	83.9	117.4	166.5	149.7	363.9	483.9	623.3	289.1	112.3
82.5°	27.1	31.0	54.2	77.4	83.9	63.2	107.1	130.3	175.5	141.9	46.5
85°	0.0	0.0	18.1	32.3	31.0	18.1	29.7	32.3	47.7	71.0	18.1
87.5°	0.0	0.0	0.0	0.0	0.0	1.3	2.6	3.9	7.7	14.2	7.7
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1	1440.1
2.5°	1445.3	1436.2	1446.6	1441.4	1446.6	1445.3	1435.0	1428.5	1428.5	1416.9	1413.0
5°	1463.3	1454.3	1456.9	1445.3	1442.7	1436.2	1423.3	1418.2	1418.2	1406.6	1402.7
7.5°	1503.3	1489.2	1486.6	1463.3	1453.0	1435.0	1411.7	1402.7	1401.4	1389.8	1385.9
10°	1566.6	1549.8	1538.2	1508.5	1478.8	1442.7	1393.7	1352.4	1329.1	1298.2	1295.6
12.5°	1644.0	1623.4	1605.3	1560.1	1511.1	1429.8	1285.3	1134.3	1041.4	967.8	973.0
15°	1730.5	1711.1	1682.7	1614.3	1513.7	1302.0	1000.1	767.8	654.2	593.6	591.0
17.5°	1824.7	1796.3	1749.8	1656.9	1432.4	994.9	650.4	459.4	400.0	379.4	374.2
20°	1912.4	1877.6	1819.5	1665.9	1197.5	673.6	406.5	356.2	345.8	339.4	339.4
22.5°	2005.3	1961.4	1875.0	1596.3	890.4	431.0	345.8	334.2	326.5	317.4	316.2
25°	2099.5	2042.7	1925.3	1414.3	583.3	339.4	323.9	311.0	296.8	282.6	278.7
27.5°	2179.5	2106.0	1964.0	1143.3	374.2	305.8	295.5	273.6	254.2	238.7	236.1
30°	2275.0	2180.8	1980.8	836.2	294.2	269.7	254.2	231.0	207.8	192.3	187.1
32.5°	2402.8	2299.5	1955.0	544.6	260.7	237.4	212.9	185.8	162.6	145.8	143.2
35°	2601.5	2478.9	1836.3	347.1	236.1	205.2	175.5	147.1	127.8	114.8	112.3
37.5°	2844.1	2730.5	1641.4	260.7	211.6	178.1	143.2	116.1	101.9	92.9	90.3
40°	3204.1	3045.4	1400.1	228.4	187.1	151.0	117.4	95.5	85.2	77.4	74.8
42.5°	3671.3	3417.1	1122.7	207.8	163.9	126.5	95.5	78.7	69.7	64.5	63.2
45°	4217.1	3779.7	829.7	187.1	141.9	104.5	78.7	64.5	58.1	54.2	52.9
47.5°	4775.9	4097.1	572.9	165.2	121.3	86.5	65.8	55.5	50.3	45.2	43.9
50°	5372.0	4365.5	391.0	143.2	103.2	71.0	56.8	50.3	43.9	40.0	38.7
52.5°	5809.5	4464.9	272.3	123.9	87.7	60.7	50.3	45.2	40.0	34.8	33.6
55°	6213.4	4462.3	206.5	104.5	74.8	52.9	45.2	40.0	34.8	31.0	29.7
57.5°	6616.0	4427.5	162.6	89.0	64.5	47.7	40.0	34.8	32.3	27.1	25.8
60°	6876.7	4295.8	126.5	74.8	55.5	41.3	34.8	31.0	27.1	23.2	21.9
62.5°	7014.8	4112.6	96.8	59.4	45.2	36.1	31.0	27.1	23.2	19.4	18.1
65°	6827.6	3787.4	76.1	46.5	34.8	31.0	25.8	21.9	18.1	14.2	12.9
67.5°	5997.9	3193.8	59.4	37.4	27.1	23.2	21.9	18.1	12.9	10.3	9.0
70°	4239.1	2187.3	46.5	28.4	20.6	18.1	16.8	14.2	10.3	7.7	6.5
72.5°	2326.6	1103.3	33.6	20.6	15.5	14.2	12.9	11.6	9.0	6.5	6.5
75°	895.6	303.3	24.5	14.2	10.3	10.3	9.0	9.0	7.7	5.2	5.2
77.5°	233.6	90.3	15.5	9.0	6.5	6.5	6.5	5.2	5.2	3.9	3.9
80°	74.8	29.7	9.0	6.5	5.2	3.9	3.9	2.6	3.9	2.6	2.6
82.5°	24.5	10.3	5.2	5.2	3.9	2.6	2.6	1.3	1.3	0.0	0.0
85°	9.0	5.2	3.9	2.6	2.6	2.6	1.3	0.0	0.0	0.0	0.0
87.5°	5.2	2.6	2.6	2.6	2.6	1.3	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)