

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: P635353

Luminaire Tested: GWS-SA3D-750-U-T2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635353  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-750-U-T2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

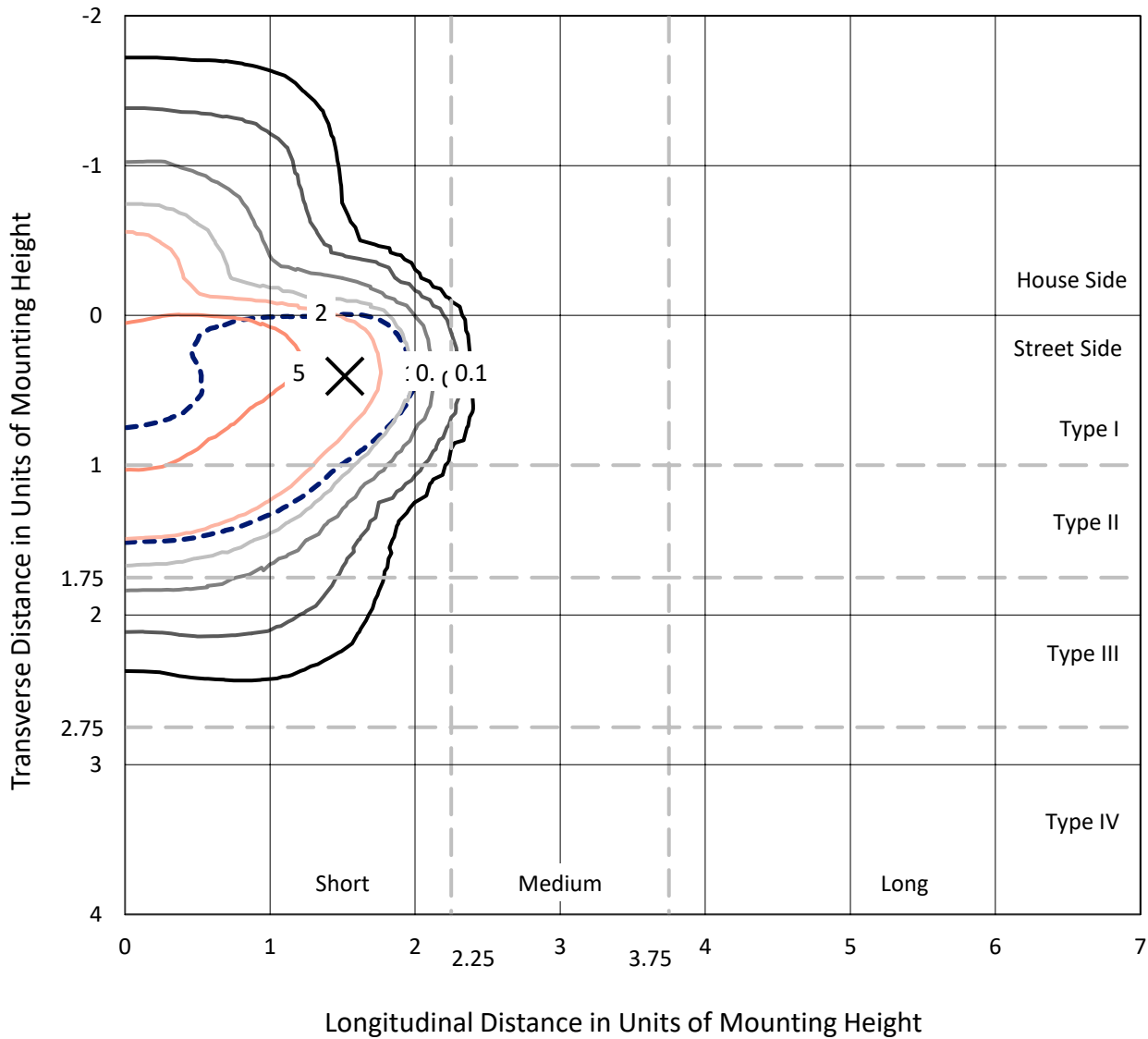
Lumens per Lamp: N/A  
Luminaire Lumens: 10692.8 lumens  
Efficiency: N/A  
Efficacy: 88.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

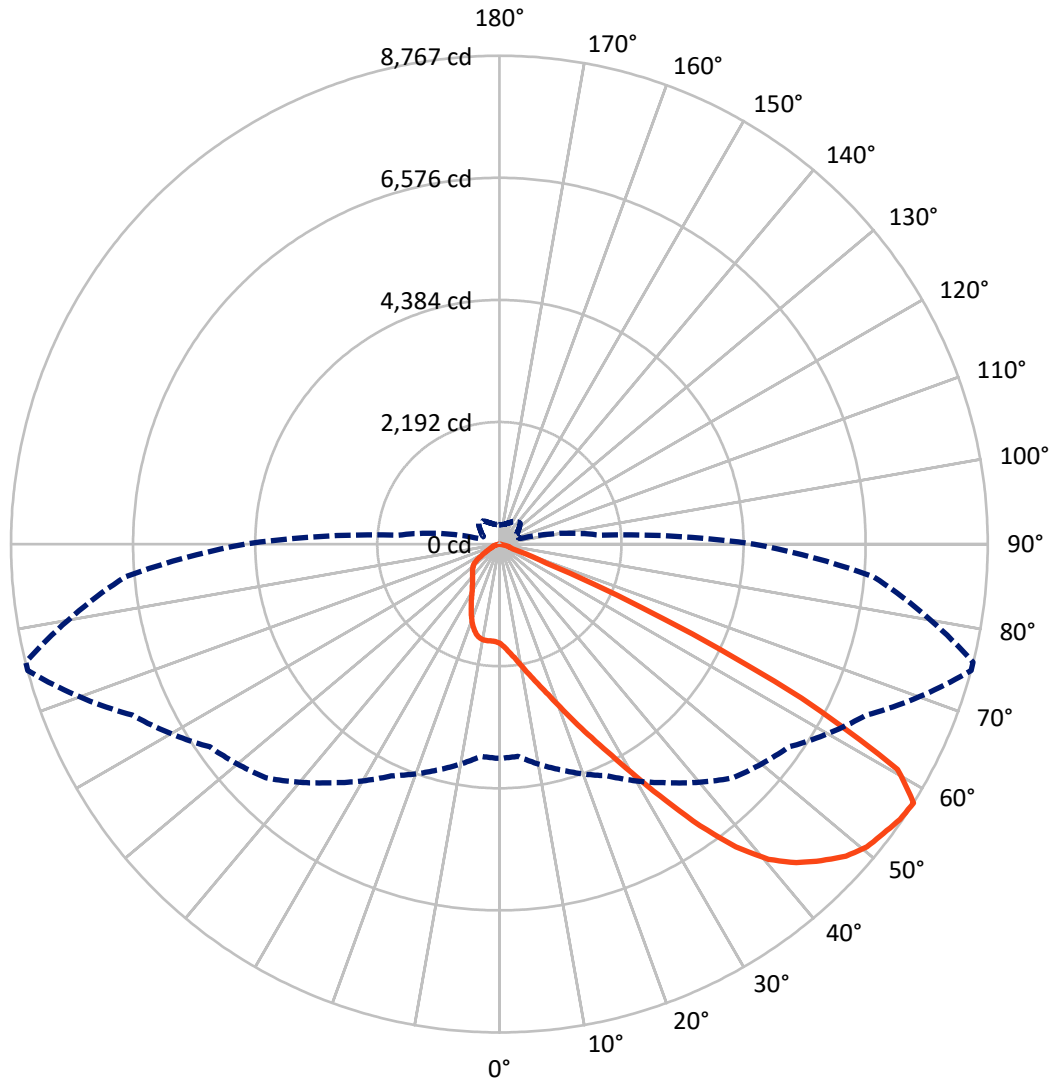
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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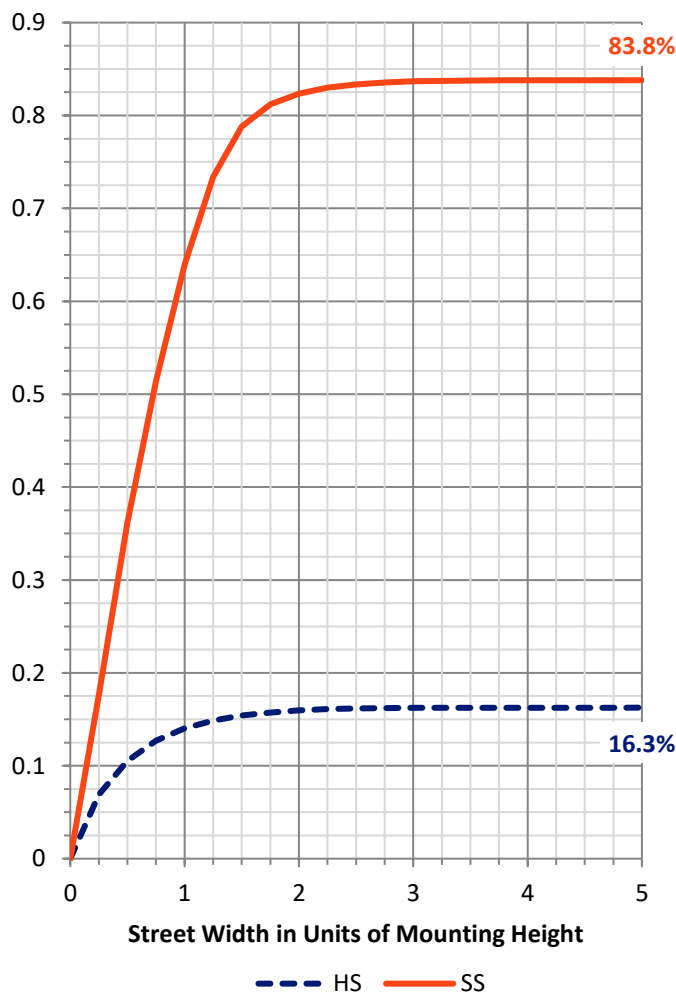
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1746.6	0.0	1746.6
	% Fixture	16.3	0.0	16.3
<b>Street Side</b>	Lumens	8946.2	0.0	8946.2
	% Fixture	83.7	0.0	83.7
<b>Total</b>	Lumens	10692.8	0.0	10692.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.5	1.7
10°-20°	589.5	5.5
20°-30°	1079.5	10.1
30°-40°	1791.1	16.8
40°-50°	2735.4	25.6
50°-60°	3073.7	28.7
60°-70°	1133.7	10.6
70°-80°	108.4	1.0
80°-90°	0.1	0.0
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°	10692.8	100.0
0°-180°	10692.8	100.0

**Coefficient of Utilization**

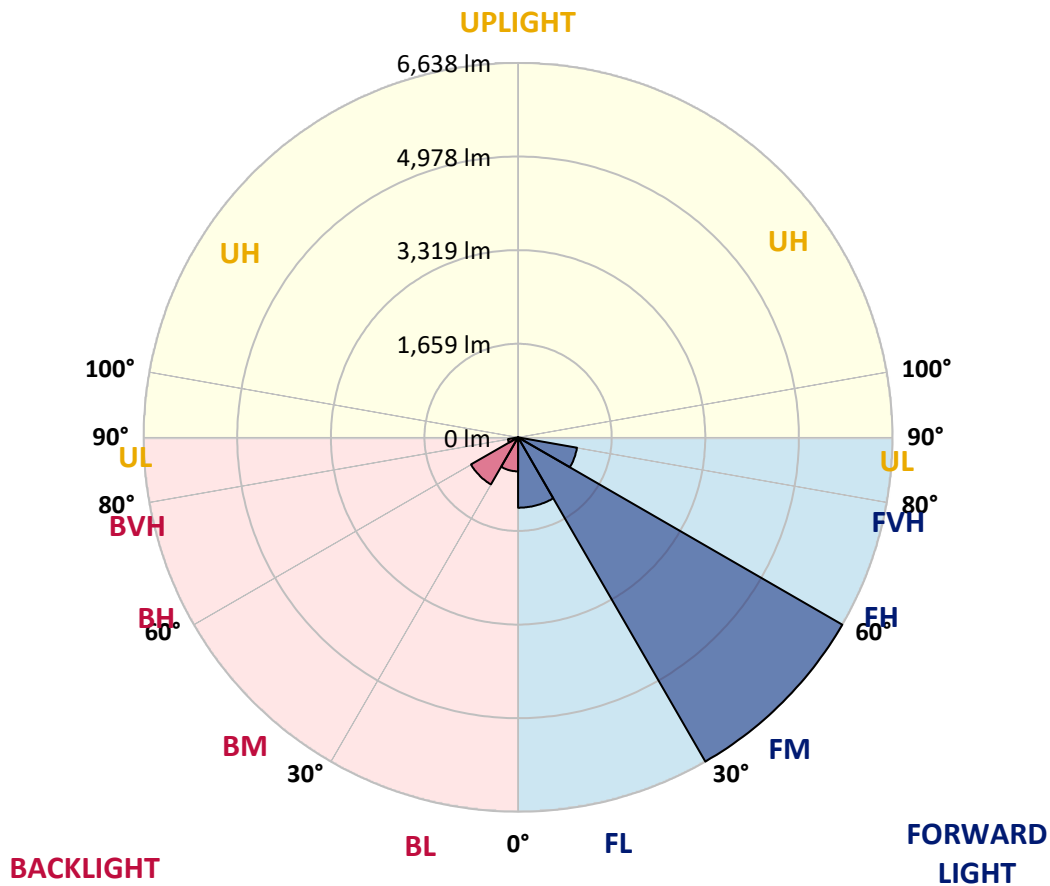


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1247.8	11.7			
FM (30°-60°)	6637.6	62.1			
FH (60°-80°)	1060.7	9.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	602.7	5.6	B2/1000		
BM (30°-60°)	962.5	9.0	B1/1000		
BH (60°-80°)	181.4	1.7	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4
2.5°	1992.5	2013.1	2006.7	1993.8	1986.0	1958.9	1942.1	1893.1	1858.3	1854.4	1822.1
5°	2244.1	2240.2	2235.1	2219.6	2206.7	2164.1	2113.8	2031.2	1957.6	1948.6	1880.2
7.5°	2382.2	2384.8	2387.3	2384.8	2375.7	2343.5	2288.0	2191.2	2078.9	2071.2	1962.8
10°	2439.0	2444.1	2457.0	2481.5	2503.5	2500.9	2468.6	2369.3	2231.2	2218.3	2072.5
12.5°	2466.1	2472.5	2493.2	2539.6	2599.0	2645.4	2650.6	2561.6	2409.3	2388.6	2202.8
15°	2503.5	2509.9	2535.7	2596.4	2682.9	2774.5	2833.8	2777.1	2606.7	2584.8	2346.0
17.5°	2520.3	2529.3	2566.7	2646.7	2759.0	2899.7	3033.9	3028.7	2840.3	2823.5	2512.5
20°	2552.5	2559.0	2592.5	2679.0	2814.5	3017.1	3242.9	3324.2	3125.5	3101.0	2713.8
22.5°	2654.5	2657.0	2672.5	2726.7	2853.2	3102.3	3455.8	3668.8	3462.3	3430.0	2939.7
25°	2820.9	2819.6	2826.1	2835.1	2928.0	3188.7	3661.0	4057.2	3848.1	3813.3	3195.2
27.5°	3032.6	3032.6	3048.1	3022.2	3059.7	3295.8	3863.6	4503.7	4297.2	4248.2	3475.2
30°	3281.6	3280.3	3316.5	3275.2	3286.8	3464.9	4081.7	4990.2	4839.2	4778.6	3797.8
32.5°	3619.7	3612.0	3653.3	3596.5	3557.8	3720.4	4347.5	5498.6	5488.3	5395.4	4203.0
35°	4046.9	4034.0	4046.9	3991.4	3921.7	4077.8	4696.0	6005.8	6208.4	6110.3	4685.6
37.5°	4471.4	4512.7	4526.9	4431.4	4374.6	4530.8	5115.4	6460.0	6896.2	6794.3	5187.6
40°	4972.1	4959.2	5008.3	4901.2	4865.0	5037.9	5525.7	6798.1	7440.8	7344.0	5634.1
42.5°	5341.2	5364.4	5425.1	5365.7	5337.3	5499.9	5870.3	6995.6	7818.9	7723.4	5952.9
45°	5783.8	5800.6	5823.8	5774.8	5745.1	5905.1	6119.3	7082.0	8106.6	8003.4	6167.1
47.5°	6262.6	6275.5	6275.5	6174.8	6079.3	6145.2	6285.8	7131.1	8371.2	8271.8	6325.8
50°	6605.8	6612.3	6669.1	6598.1	6390.3	6288.4	6361.9	7178.8	8546.7	8453.8	6377.4
52.5°	6301.3	6293.6	6480.7	6627.8	6683.3	6480.7	6493.6	7248.5	8631.9	8551.9	6418.7
55°	5306.4	5293.5	5556.7	5914.2	6403.2	6662.6	6652.3	7289.8	8726.1	8677.0	6568.4
57.5°	3846.8	3824.9	4191.4	4588.9	5230.2	5933.5	6346.5	7266.6	8767.4	8763.5	6742.6
60°	2312.5	2294.4	2640.3	3058.4	3553.9	4261.1	4946.3	6509.1	8215.0	8222.8	6289.7
62.5°	1423.4	1440.1	1752.4	1965.4	2149.9	2362.8	2759.0	4378.5	6085.8	6136.1	4419.8
65°	957.5	970.4	1259.5	1527.9	1527.9	1249.2	1072.4	2093.1	3246.8	3161.6	2090.5
67.5°	642.6	656.8	885.3	1198.8	1244.0	871.1	434.9	624.6	904.6	877.5	517.5
70°	378.1	393.6	589.7	822.0	905.9	606.5	290.4	264.5	256.8	249.1	201.3
72.5°	169.0	175.5	300.7	418.1	382.0	255.5	205.2	211.6	200.0	196.1	163.9
75°	51.6	54.2	77.4	90.3	91.6	91.6	123.9	166.5	157.4	158.7	126.5
77.5°	12.9	12.9	20.6	19.4	10.3	9.0	23.2	37.4	38.7	34.8	25.8
80°	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4
2.5°	1807.9	1774.4	1752.4	1721.5	1699.5	1676.3	1655.7	1638.9	1629.8	1627.3	1628.6
5°	1849.2	1796.3	1744.7	1685.3	1644.0	1605.3	1574.4	1549.8	1538.2	1534.4	1534.4
7.5°	1912.5	1838.9	1747.3	1654.4	1584.7	1524.0	1487.9	1460.8	1450.5	1447.9	1440.1
10°	1995.0	1894.4	1743.4	1598.9	1500.8	1437.6	1411.8	1404.0	1407.9	1409.2	1407.9
12.5°	2094.4	1952.5	1718.9	1517.6	1411.8	1373.0	1375.6	1396.3	1419.5	1431.1	1433.7
15°	2200.2	2005.4	1663.4	1420.8	1335.6	1334.3	1371.8	1419.5	1464.7	1484.0	1489.2
17.5°	2318.9	2048.0	1578.2	1317.6	1269.8	1307.2	1374.3	1447.9	1508.5	1540.8	1547.3
20°	2449.3	2082.8	1469.8	1220.8	1211.7	1278.8	1371.8	1462.1	1536.9	1573.1	1579.5
22.5°	2584.8	2107.3	1344.7	1131.7	1158.8	1246.6	1347.2	1435.0	1506.0	1547.3	1552.4
25°	2739.6	2109.9	1216.9	1056.9	1109.8	1202.7	1287.9	1360.1	1419.5	1455.6	1459.5
27.5°	2875.1	2078.9	1103.3	996.2	1064.6	1148.5	1205.3	1245.3	1286.6	1307.2	1308.5
30°	3031.3	2024.7	996.2	947.2	1018.2	1081.4	1109.8	1118.8	1122.7	1126.6	1121.4
32.5°	3217.1	1958.9	916.2	899.4	965.3	1007.8	1015.6	997.5	975.6	944.6	936.9
35°	3445.5	1899.6	850.4	853.0	907.2	933.0	926.5	887.8	845.2	807.8	801.4
37.5°	3693.3	1849.2	800.1	807.8	844.0	862.0	842.7	800.1	780.7	748.5	749.8
40°	3912.7	1807.9	754.9	762.7	779.4	796.2	765.2	736.9	773.0	770.4	773.0
42.5°	4068.8	1773.1	716.2	712.3	723.9	735.6	712.3	698.1	758.8	742.0	751.0
45°	4160.4	1740.8	683.9	660.7	678.8	699.4	683.9	665.9	686.5	609.1	602.6
47.5°	4222.4	1722.8	655.6	610.4	642.6	678.8	646.5	602.6	573.0	505.9	500.7
50°	4228.8	1713.7	622.0	558.8	600.1	638.8	601.4	540.7	498.1	468.4	464.6
52.5°	4262.4	1731.8	575.5	493.0	538.1	600.1	574.3	513.6	455.5	429.7	424.6
55°	4412.1	1807.9	498.1	402.6	468.4	570.4	552.3	458.1	402.6	387.1	383.3
57.5°	4566.9	1823.4	392.3	318.7	407.8	527.8	504.6	422.0	367.8	349.7	345.8
60°	4175.9	1502.1	294.2	263.3	360.0	487.8	467.1	400.0	336.8	314.9	311.0
62.5°	2743.5	811.7	233.6	223.2	303.3	412.9	425.9	361.3	300.7	277.4	276.2
65°	1264.6	376.8	179.4	176.8	237.4	329.1	366.5	316.2	254.2	233.6	233.6
67.5°	344.6	187.1	140.7	130.3	161.3	220.7	267.1	236.2	180.7	156.1	154.9
70°	171.6	151.0	126.5	112.3	116.1	136.8	157.4	131.6	91.6	74.8	73.6
72.5°	140.7	123.9	107.1	95.5	87.8	83.9	81.3	65.8	42.6	32.3	31.0
75°	104.5	89.0	76.1	61.9	52.9	49.0	43.9	32.3	18.1	10.3	9.0
77.5°	23.2	21.9	20.6	15.5	14.2	11.6	9.0	6.5	2.6	0.0	0.0
80°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)