

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: P636347

Luminaire Tested: GWS-SA3F-750-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636347
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-750-U-T2R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY 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: 16766 lumens
Efficiency: N/A
Efficacy: 91.5 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

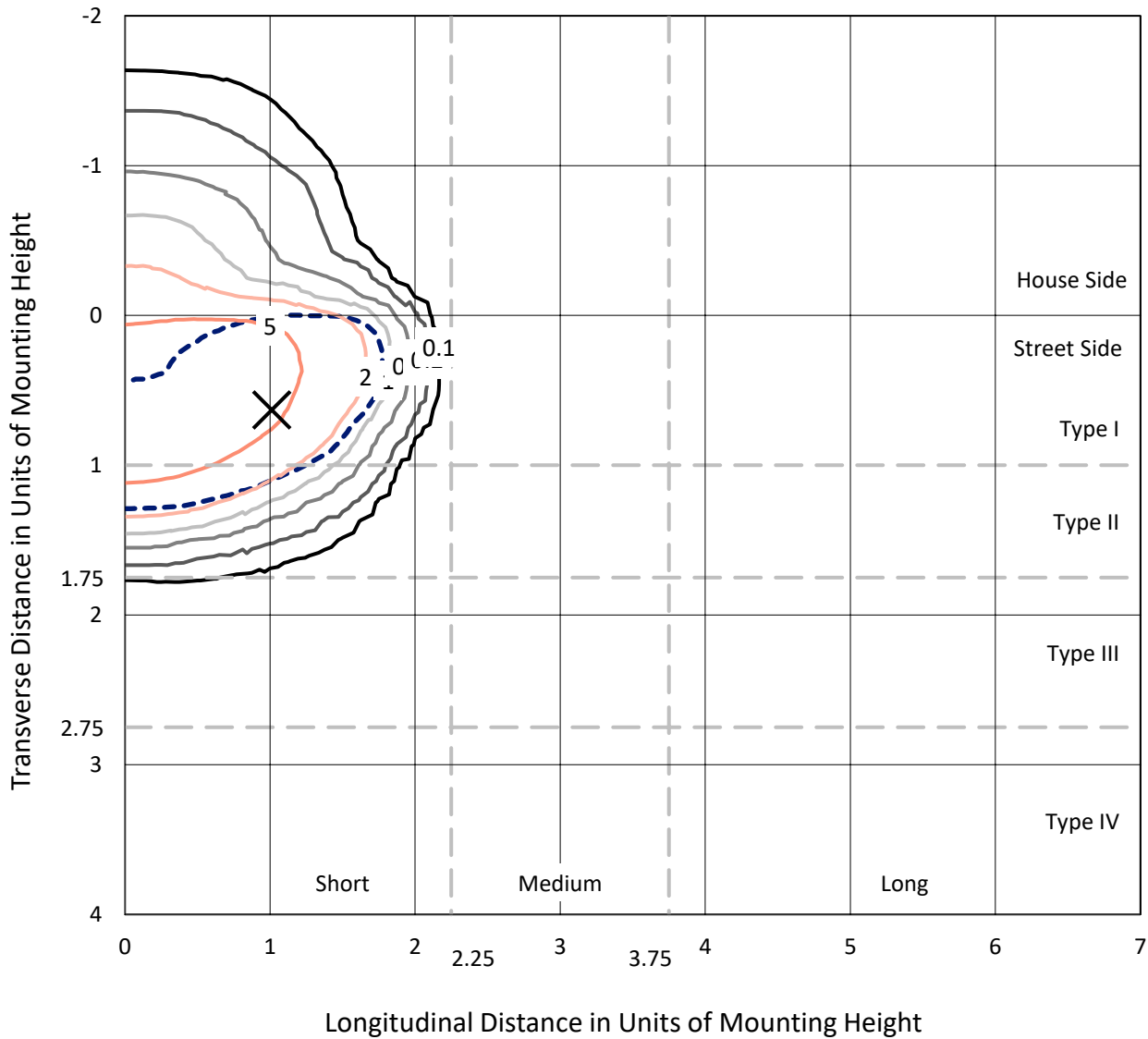
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

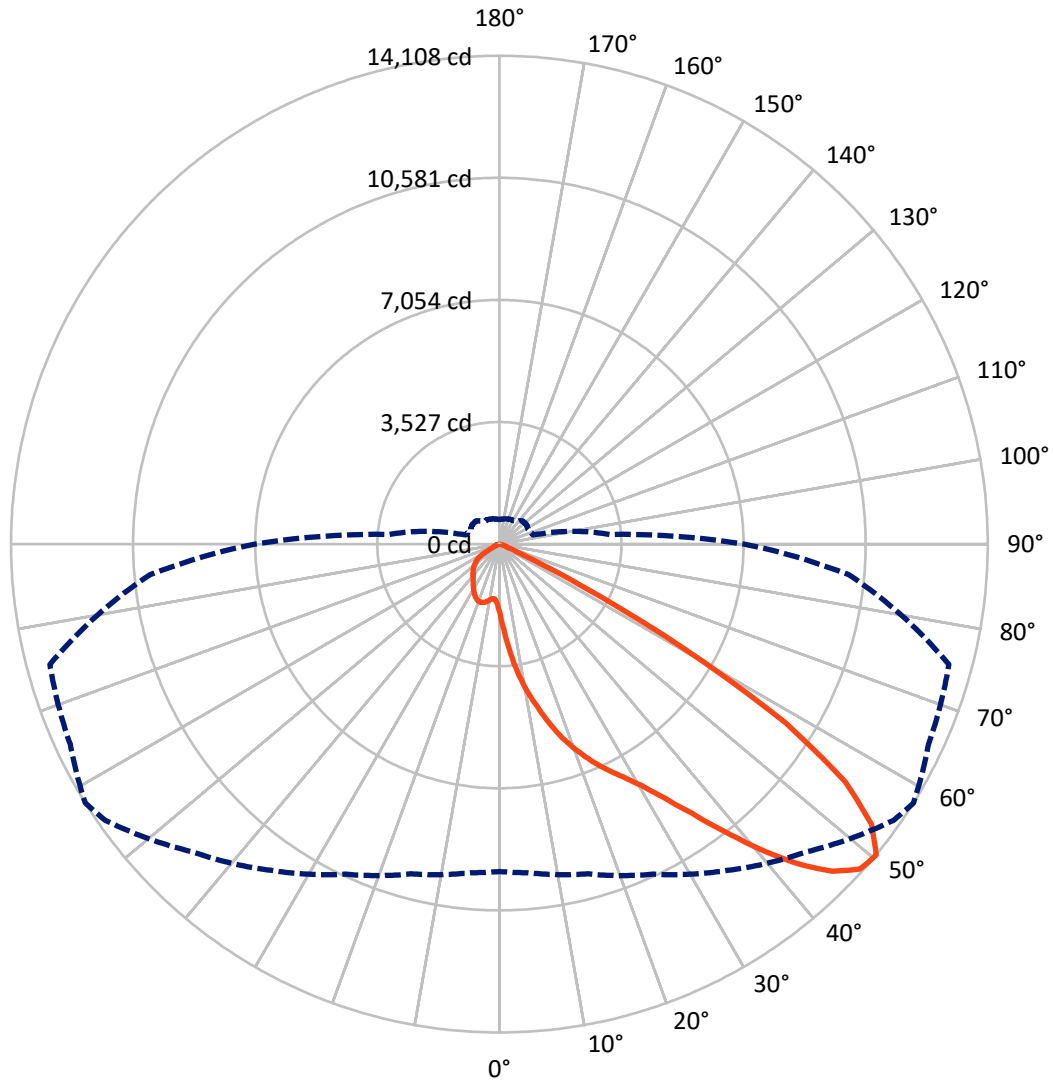
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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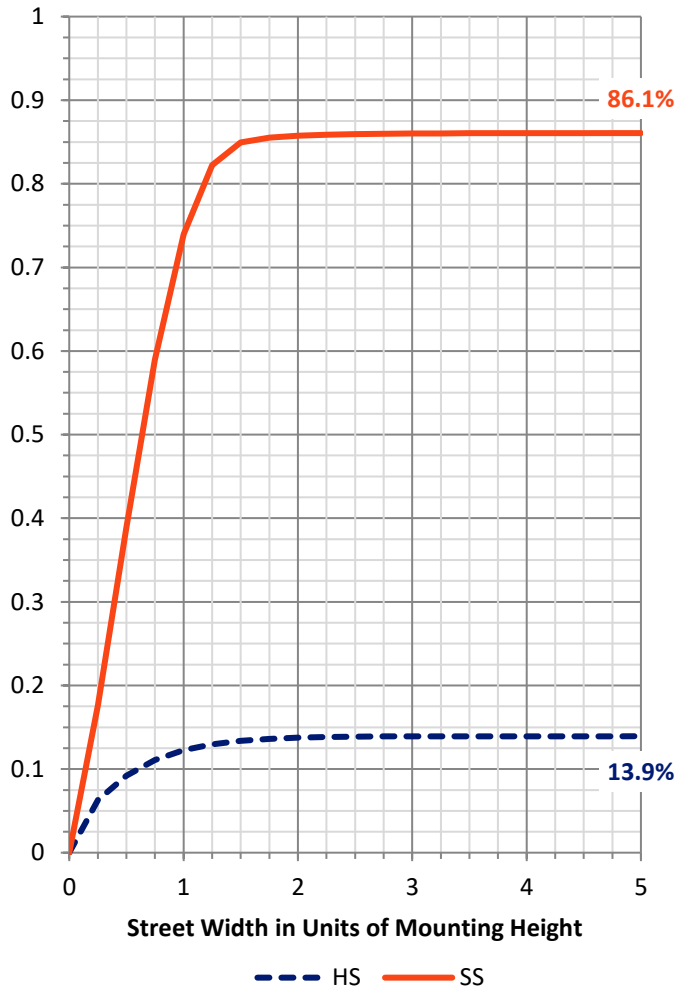
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2348.3	0.0	2348.3
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	14417.7	0.0	14417.7
	% Fixture	86.0	0.0	86.0
Total	Lumens	16766.0	0.0	16766.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.1	1.5
10°-20°	982.2	5.9
20°-30°	1987.4	11.9
30°-40°	3516.0	21.0
40°-50°	5125.6	30.6
50°-60°	4108.3	24.5
60°-70°	740.1	4.4
70°-80°	58.3	0.3
80°-90°	0.0	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°	16766.0	100.0
0°-180°	16766.0	100.0

Coefficient of Utilization



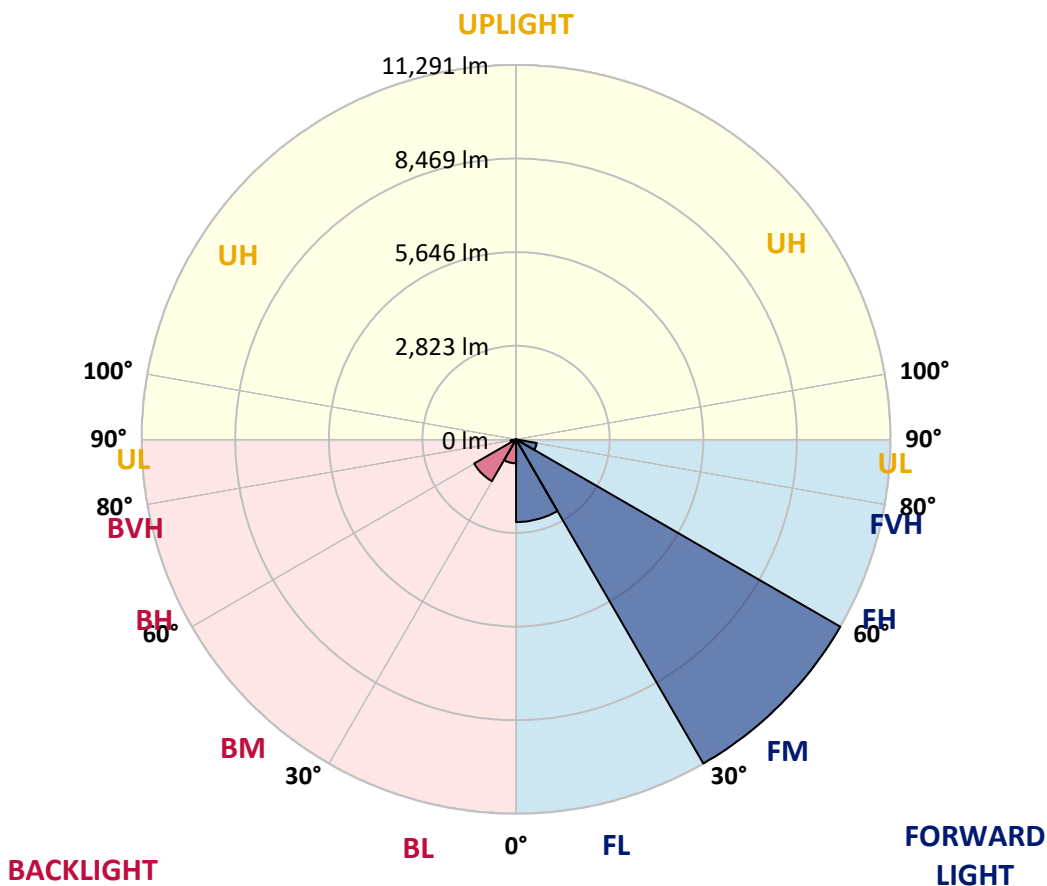
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2494.7	14.9			
FM (30°-60°)	11291.4	67.3			
FH (60°-80°)	631.6	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	723.0	4.3	B2/1000		
BM (30°-60°)	1458.4	8.7	B2/2500		
BH (60°-80°)	166.9	1.0	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°	58°	65°	75°	85°
0°	2002.7	2002.7	2002.7	2002.7	2002.7	2002.7	2002.7	2002.7	2002.7	2002.7	2002.7
2.5°	2963.7	2917.0	2890.2	2868.6	2773.6	2623.0	2524.4	2472.4	2386.4	2241.1	2115.6
5°	3867.3	3833.2	3770.5	3727.4	3605.5	3392.2	3171.6	3083.8	2888.4	2560.3	2266.2
7.5°	4466.1	4441.0	4417.7	4360.3	4245.6	4052.0	3808.1	3716.7	3415.5	2949.3	2467.0
10°	4926.9	4907.2	4880.3	4878.5	4788.8	4614.9	4376.5	4281.4	3955.1	3372.4	2703.7
12.5°	5332.1	5316.0	5310.6	5360.8	5303.4	5174.3	4916.1	4797.8	4451.8	3804.5	2965.5
15°	5610.0	5606.4	5629.7	5728.3	5760.6	5701.4	5484.5	5357.2	4959.2	4238.4	3254.1
17.5°	5737.3	5748.0	5792.9	5963.2	6106.6	6156.8	5990.1	5882.5	5463.0	4677.7	3562.5
20°	5954.2	5950.6	5977.5	6138.9	6314.6	6493.9	6443.7	6352.2	5972.2	5142.0	3904.9
22.5°	6565.6	6513.6	6456.2	6481.3	6544.1	6753.9	6847.1	6800.5	6497.5	5619.0	4258.1
25°	7505.1	7451.3	7266.6	7087.3	6969.0	7064.0	7191.3	7214.6	7019.2	6108.4	4627.5
27.5°	8501.9	8453.5	8245.5	7976.6	7637.8	7472.8	7567.8	7614.4	7532.0	6691.1	5020.1
30°	9436.0	9371.5	9143.8	8810.3	8417.7	8164.9	8057.3	8089.6	8138.0	7381.4	5480.9
32.5°	10246.4	10198.0	9925.5	9574.1	9195.8	8932.2	8681.2	8735.0	8853.3	8225.8	6070.8
35°	10933.1	10908.0	10619.3	10269.7	9869.9	9735.4	9520.3	9531.1	9649.4	9246.0	6789.7
37.5°	11530.1	11487.1	11225.4	10900.8	10583.5	10562.0	10502.8	10508.2	10569.1	10434.7	7616.2
40°	11906.7	11867.2	11680.7	11479.9	11254.0	11257.6	11564.2	11587.5	11517.6	11601.9	8489.4
42.5°	12048.3	12019.6	11919.2	11921.0	11897.7	12003.5	12579.0	12622.0	12371.0	12518.0	9235.2
45°	11802.7	11790.1	11797.3	12055.5	12335.2	12661.5	13409.1	13484.4	13129.4	13125.8	9817.9
47.5°	11010.2	10985.1	11194.9	11634.1	12281.4	12916.1	13911.1	14027.7	13660.1	13473.6	10183.7
50°	9457.6	9529.3	9861.0	10520.7	11505.0	12566.4	13905.7	14108.3	13679.8	13443.2	10122.7
52.5°	6850.7	6836.3	7562.5	8469.7	9667.3	11447.7	13167.1	13462.9	13201.1	13143.8	9986.5
55°	3727.4	3858.3	4347.8	5549.0	7044.3	9330.3	11479.9	12125.4	12428.4	13034.4	10232.1
57.5°	1369.8	1427.1	1733.7	2583.6	3729.2	5801.8	8769.1	9742.6	10678.5	12729.6	10190.8
60°	552.2	563.0	684.9	950.2	1567.0	2952.9	5260.4	6124.5	7006.7	9744.4	7820.6
62.5°	401.6	416.0	464.4	555.8	792.5	1290.9	2268.0	2637.4	2883.0	4826.5	3852.9
65°	324.5	335.3	374.7	416.0	523.5	693.9	731.5	704.6	701.0	1247.9	883.9
67.5°	268.9	279.7	308.4	337.1	376.5	346.0	251.0	263.6	215.1	213.4	173.9
70°	197.2	209.8	238.5	268.9	225.9	93.2	145.2	215.1	163.2	136.3	132.7
72.5°	148.8	157.8	184.7	175.7	66.3	35.9	96.8	156.0	125.5	100.4	98.6
75°	111.2	116.5	93.2	28.7	7.2	9.0	35.9	64.5	69.9	57.4	57.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	5.4	7.2	9.0	10.8
80°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2002.7	2002.7	2002.7	2002.7	2002.7	2002.7	2002.7	2002.7	2002.7	2002.7	2002.7
2.5°	2043.9	1968.6	1861.0	1771.4	1703.3	1636.9	1586.7	1536.5	1534.7	1509.6	1504.2
5°	2130.0	1993.7	1796.5	1654.8	1568.8	1516.8	1480.9	1463.0	1454.0	1445.1	1441.5
7.5°	2253.7	2058.2	1785.7	1635.1	1563.4	1529.3	1504.2	1493.5	1488.1	1480.9	1479.1
10°	2406.1	2151.5	1825.2	1672.8	1610.0	1577.8	1550.9	1534.7	1525.8	1513.2	1509.6
12.5°	2588.9	2266.2	1887.9	1735.5	1669.2	1626.2	1590.3	1567.0	1554.4	1538.3	1534.7
15°	2786.2	2389.9	1957.8	1792.9	1714.0	1658.4	1613.6	1577.8	1554.4	1534.7	1529.3
17.5°	2990.6	2515.4	2020.6	1832.3	1735.5	1669.2	1604.6	1556.2	1527.6	1502.5	1495.3
20°	3220.0	2644.5	2061.8	1839.5	1728.4	1640.5	1565.2	1504.2	1475.6	1441.5	1434.3
22.5°	3460.3	2764.7	2079.8	1823.4	1688.9	1586.7	1506.0	1443.3	1402.0	1366.2	1355.4
25°	3693.4	2872.2	2070.8	1778.6	1629.7	1511.4	1428.9	1364.4	1319.6	1283.7	1274.8
27.5°	3940.8	2961.9	2038.5	1712.2	1549.1	1428.9	1350.1	1294.5	1253.2	1213.8	1204.8
30°	4218.7	3044.3	1986.5	1631.5	1454.0	1344.7	1283.7	1246.1	1201.2	1160.0	1147.5
32.5°	4554.0	3117.9	1911.2	1534.7	1369.8	1271.2	1237.1	1208.4	1156.4	1113.4	1104.4
35°	4937.6	3178.8	1816.2	1434.3	1287.3	1224.6	1217.4	1179.7	1111.6	1061.4	1050.6
37.5°	5382.3	3238.0	1703.3	1335.7	1226.3	1203.0	1204.8	1140.3	1057.8	996.9	989.7
40°	5861.0	3297.1	1577.8	1249.7	1170.8	1190.5	1174.3	1082.9	948.4	889.3	882.1
42.5°	6359.4	3361.7	1450.5	1169.0	1124.1	1142.1	1118.8	968.2	871.3	840.9	837.3
45°	6809.4	3438.8	1312.4	1088.3	1077.5	1072.2	1032.7	876.7	835.5	814.0	812.2
47.5°	7134.0	3426.2	1165.4	1011.2	1027.3	1009.4	889.3	833.7	799.6	770.9	763.8
50°	7074.8	3207.5	1013.0	925.1	962.8	946.7	799.6	783.5	753.0	722.5	711.8
52.5°	6924.2	2909.9	880.3	833.7	892.9	855.2	738.7	722.5	695.6	656.2	643.7
55°	7004.9	2630.2	776.3	760.2	821.1	708.2	670.5	645.4	616.8	573.7	568.3
57.5°	6744.9	2146.1	623.9	634.7	726.1	604.2	588.1	548.6	500.2	471.5	467.9
60°	4668.7	1152.8	390.9	403.4	525.3	507.4	527.1	491.3	432.1	405.2	399.8
62.5°	2144.3	462.6	213.4	204.4	276.1	344.2	451.8	448.2	374.7	331.7	328.1
65°	519.9	211.6	152.4	143.4	156.0	206.2	294.0	353.2	303.0	252.8	247.4
67.5°	168.5	172.1	139.8	130.9	138.1	154.2	175.7	195.4	193.6	177.5	173.9
70°	134.5	156.0	129.1	118.3	118.3	123.7	118.3	95.0	82.5	89.6	93.2
72.5°	100.4	118.3	102.2	91.4	87.9	86.1	73.5	53.8	37.7	34.1	32.3
75°	59.2	66.3	62.8	53.8	50.2	44.8	35.9	23.3	12.6	9.0	5.4
77.5°	10.8	12.6	14.3	10.8	9.0	7.2	5.4	1.8	0.0	0.0	0.0
80°	0.0	1.8	1.8	1.8	0.0	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)