

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: P639867

Luminaire Tested: GWS-SA5C-760-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639867
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-SA5C-760-U-T2R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16104.6 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

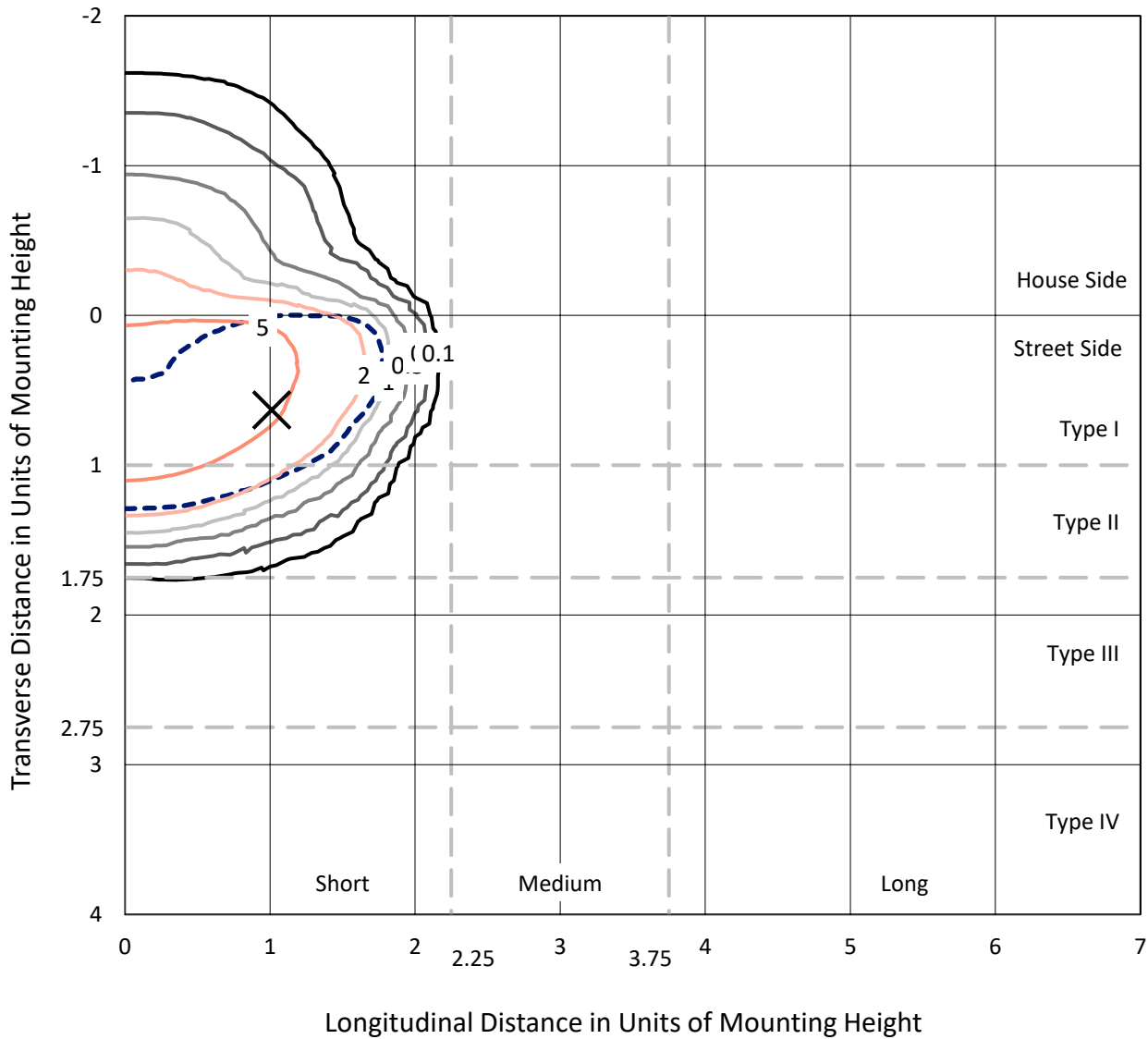
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639867
 CATALOG NUMBER: GWS-SA5C-760-U-T2R-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

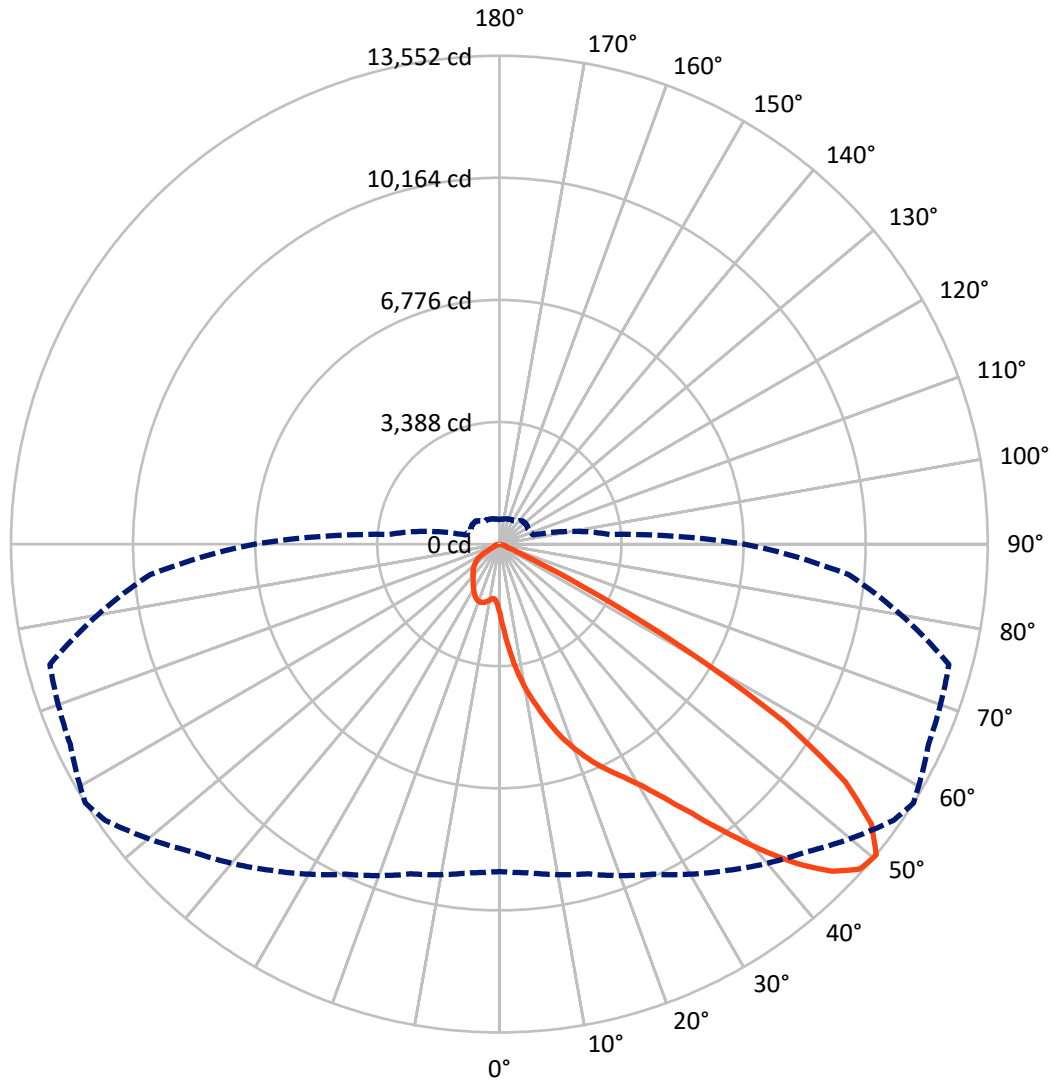
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc
 Type II - Short - N/A

REPORT NUMBER: P639867
CATALOG NUMBER: GWS-SA5C-760-U-T2R-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P639867
 CATALOG NUMBER: GWS-SA5C-760-U-T2R-W-GRSBK

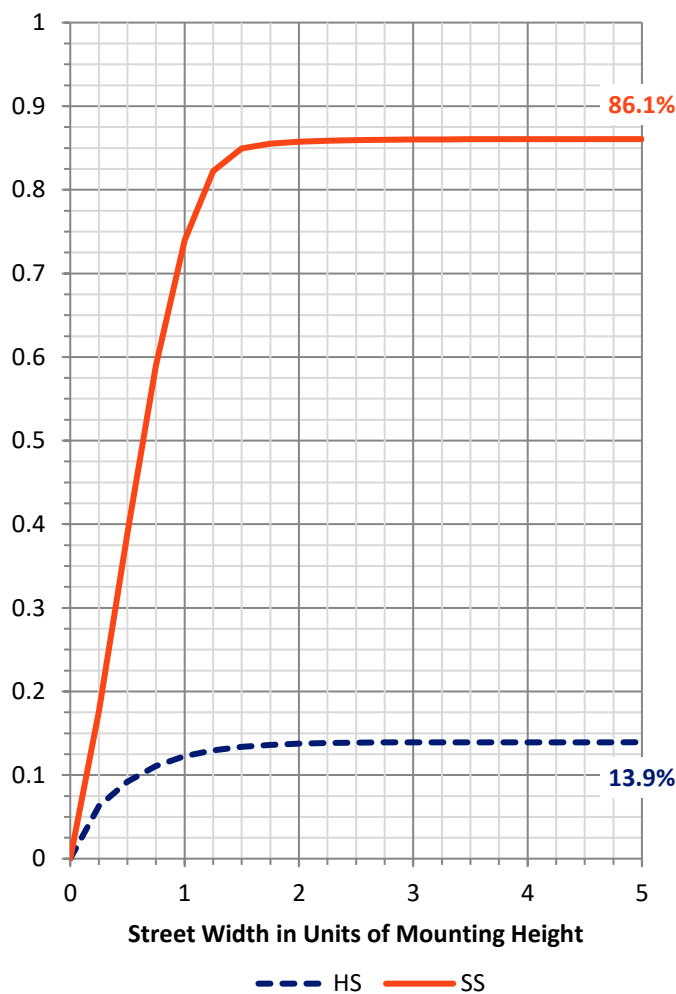
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2255.7	0.0	2255.7
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	13848.9	0.0	13848.9
	% Fixture	86.0	0.0	86.0
Total	Lumens	16104.6	0.0	16104.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.3	1.5
10°-20°	943.4	5.9
20°-30°	1909.0	11.9
30°-40°	3377.3	21.0
40°-50°	4923.4	30.6
50°-60°	3946.2	24.5
60°-70°	710.9	4.4
70°-80°	56.0	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°	16104.6	100.0
0°-180°	16104.6	100.0

Coefficient of Utilization



REPORT NUMBER: P639867

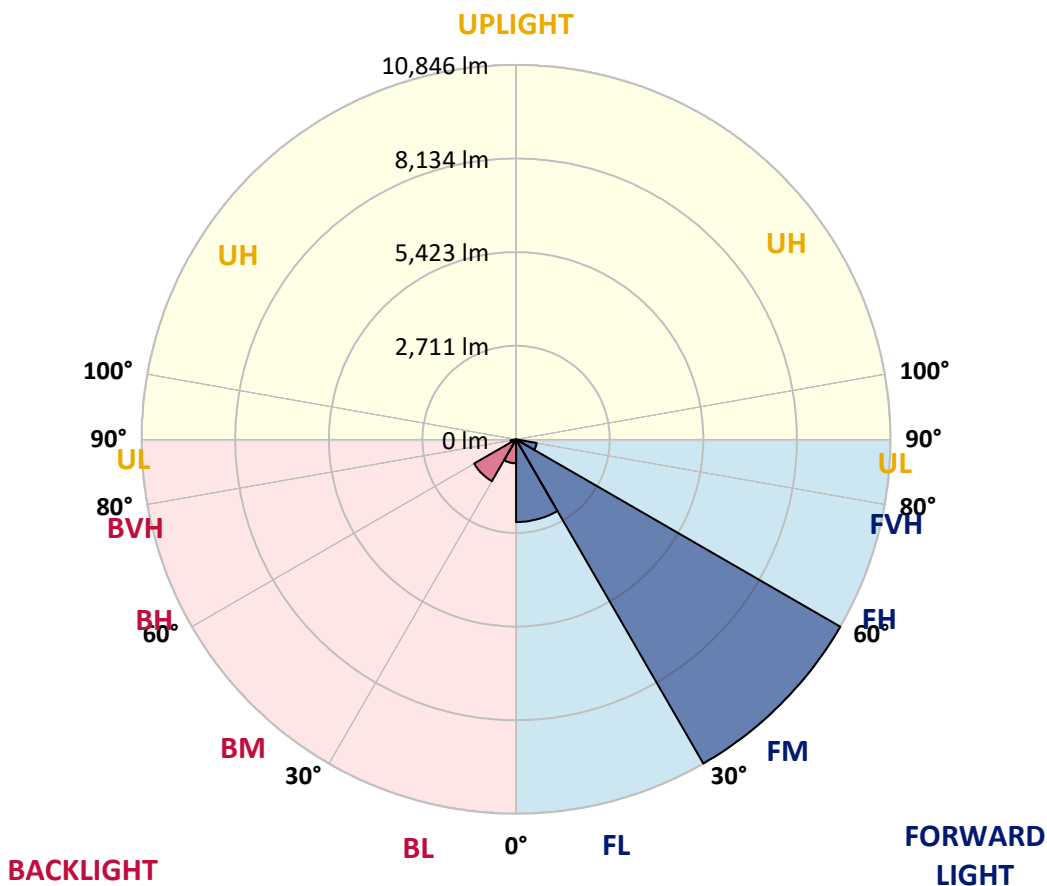
CATALOG NUMBER: GWS-SA5C-760-U-T2R-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2396.3	14.9			
FM (30°-60°)	10846.0	67.3			
FH (60°-80°)	606.7	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	694.4	4.3	B2/1000		
BM (30°-60°)	1400.9	8.7	B2/2500		
BH (60°-80°)	160.3	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





REPORT NUMBER: P639867

CATALOG NUMBER: GWS-SA5C-760-U-T2R-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1923.7	1923.7	1923.7	1923.7	1923.7	1923.7	1923.7	1923.7	1923.7	1923.7	1923.7
2.5°	2846.8	2802.0	2776.1	2755.5	2664.2	2519.5	2424.8	2374.9	2292.2	2152.7	2032.2
5°	3714.7	3682.0	3621.7	3580.4	3463.3	3258.4	3046.5	2962.1	2774.4	2459.3	2176.8
7.5°	4289.9	4265.8	4243.4	4188.3	4078.1	3892.1	3657.9	3570.1	3280.7	2833.0	2369.7
10°	4732.5	4713.6	4687.8	4686.0	4599.9	4432.9	4203.8	4112.5	3799.1	3239.4	2597.0
12.5°	5121.7	5106.2	5101.1	5149.3	5094.2	4970.2	4722.2	4608.5	4276.2	3654.5	2848.5
15°	5388.7	5385.2	5407.6	5502.3	5533.3	5476.5	5268.1	5145.9	4763.5	4071.2	3125.7
17.5°	5511.0	5521.3	5564.3	5727.9	5865.7	5913.9	5753.8	5650.4	5247.5	4493.1	3422.0
20°	5719.3	5715.9	5741.7	5896.7	6065.5	6237.7	6189.5	6101.7	5736.6	4939.2	3750.9
22.5°	6306.6	6256.7	6201.5	6225.7	6285.9	6487.4	6577.0	6532.2	6241.2	5397.3	4090.2
25°	7209.0	7157.3	6980.0	6807.7	6694.1	6785.4	6907.6	6930.0	6742.3	5867.4	4444.9
27.5°	8166.5	8120.0	7920.3	7661.9	7336.5	7178.0	7269.3	7314.1	7234.8	6427.1	4822.1
30°	9063.8	9001.8	8783.1	8462.8	8085.6	7842.8	7739.4	7770.4	7816.9	7090.2	5264.7
32.5°	9842.2	9795.7	9533.9	9196.4	8833.0	8579.9	8338.8	8390.4	8504.1	7901.3	5831.3
35°	10501.8	10477.7	10200.4	9864.6	9480.6	9351.4	9144.7	9155.1	9268.7	8881.2	6521.9
37.5°	11075.3	11034.0	10782.5	10470.8	10166.0	10145.3	10088.5	10093.7	10152.2	10023.0	7315.8
40°	11436.9	11399.1	11220.0	11027.1	10810.1	10813.5	11108.0	11130.4	11063.2	11144.2	8154.5
42.5°	11573.0	11545.4	11449.0	11450.7	11428.3	11529.9	12082.8	12124.1	11883.0	12024.2	8870.9
45°	11337.1	11325.0	11331.9	11579.9	11848.5	12162.0	12880.1	12952.5	12611.5	12608.0	9430.6
47.5°	10575.9	10551.8	10753.2	11175.2	11796.9	12406.5	13362.3	13474.3	13121.2	12942.1	9781.9
50°	9084.5	9153.3	9471.9	10105.7	11051.2	12070.7	13357.2	13551.8	13140.2	12912.9	9723.4
52.5°	6580.4	6566.6	7264.1	8135.5	9286.0	10996.1	12647.6	12931.8	12680.4	12625.2	9592.5
55°	3580.4	3706.1	4176.3	5330.1	6766.4	8962.2	11027.1	11647.1	11938.1	12520.2	9828.4
57.5°	1315.7	1370.8	1665.3	2481.7	3582.1	5573.0	8423.1	9358.3	10257.3	12227.4	9788.8
60°	530.4	540.8	657.9	912.8	1505.2	2836.4	5052.9	5882.9	6730.3	9360.0	7512.1
62.5°	385.8	399.5	446.0	533.9	761.2	1240.0	2178.5	2533.3	2769.3	4636.1	3700.9
65°	311.7	322.0	359.9	399.5	502.9	666.5	702.6	676.8	673.4	1198.6	849.0
67.5°	258.3	268.7	296.2	323.8	361.7	332.4	241.1	253.2	206.7	204.9	167.1
70°	189.4	201.5	229.0	258.3	217.0	89.6	139.5	206.7	156.7	130.9	127.4
72.5°	142.9	151.6	177.4	168.8	63.7	34.4	93.0	149.8	120.6	96.4	94.7
75°	106.8	111.9	89.6	27.6	6.9	8.6	34.4	62.0	67.2	55.1	55.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	5.2	6.9	8.6	10.3
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



REPORT NUMBER: P639867

CATALOG NUMBER: GWS-SA5C-760-U-T2R-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1923.7	1923.7	1923.7	1923.7	1923.7	1923.7	1923.7	1923.7	1923.7	1923.7	1923.7
2.5°	1963.3	1890.9	1787.6	1701.5	1636.1	1572.3	1524.1	1475.9	1474.2	1450.1	1444.9
5°	2045.9	1915.1	1725.6	1589.6	1506.9	1457.0	1422.5	1405.3	1396.7	1388.1	1384.6
7.5°	2164.8	1977.1	1715.3	1570.6	1501.7	1469.0	1444.9	1434.6	1429.4	1422.5	1420.8
10°	2311.2	2066.6	1753.2	1606.8	1546.5	1515.5	1489.7	1474.2	1465.6	1453.5	1450.1
12.5°	2486.8	2176.8	1813.4	1667.1	1603.3	1562.0	1527.6	1505.2	1493.1	1477.6	1474.2
15°	2676.3	2295.7	1880.6	1722.2	1646.4	1593.0	1550.0	1515.5	1493.1	1474.2	1469.0
17.5°	2872.6	2416.2	1940.9	1760.1	1667.1	1603.3	1541.3	1494.8	1467.3	1443.2	1436.3
20°	3093.0	2540.2	1980.5	1766.9	1660.2	1575.8	1503.5	1444.9	1417.3	1384.6	1377.7
22.5°	3323.8	2655.6	1997.7	1751.4	1622.3	1524.1	1446.6	1386.3	1346.7	1312.3	1302.0
25°	3547.7	2758.9	1989.1	1708.4	1565.5	1451.8	1372.6	1310.6	1267.5	1233.1	1224.5
27.5°	3785.3	2845.0	1958.1	1644.7	1488.0	1372.6	1296.8	1243.4	1203.8	1165.9	1157.3
30°	4052.3	2924.2	1908.2	1567.2	1396.7	1291.6	1233.1	1196.9	1153.9	1114.2	1102.2
32.5°	4374.3	2994.9	1835.8	1474.2	1315.7	1221.0	1188.3	1160.7	1110.8	1069.5	1060.9
35°	4742.9	3053.4	1744.6	1377.7	1236.5	1176.2	1169.4	1133.2	1067.7	1019.5	1009.2
37.5°	5170.0	3110.2	1636.1	1283.0	1178.0	1155.6	1157.3	1095.3	1016.1	957.5	950.6
40°	5629.8	3167.1	1515.5	1200.4	1124.6	1143.5	1128.0	1040.2	911.0	854.2	847.3
42.5°	6108.5	3229.1	1393.2	1122.9	1079.8	1097.0	1074.6	930.0	837.0	807.7	804.3
45°	6540.8	3303.1	1260.6	1045.4	1035.0	1029.9	992.0	842.1	802.5	781.9	780.1
47.5°	6852.5	3291.1	1119.4	971.3	986.8	969.6	854.2	800.8	768.1	740.5	733.6
50°	6795.7	3081.0	973.0	888.6	924.8	909.3	768.1	752.6	723.3	694.0	683.7
52.5°	6651.0	2795.1	845.6	800.8	857.6	821.5	709.5	694.0	668.2	630.3	618.3
55°	6728.5	2526.4	745.7	730.2	788.8	680.3	644.1	620.0	592.4	551.1	545.9
57.5°	6478.8	2061.4	599.3	609.6	697.5	580.4	564.9	527.0	480.5	452.9	449.5
60°	4484.5	1107.4	375.4	387.5	504.6	487.4	506.3	471.9	415.0	389.2	384.0
62.5°	2059.7	444.3	204.9	196.3	265.2	330.7	434.0	430.5	359.9	318.6	315.2
65°	499.4	203.2	146.4	137.8	149.8	198.0	282.4	339.3	291.0	242.8	237.7
67.5°	161.9	165.3	134.3	125.7	132.6	148.1	168.8	187.7	186.0	170.5	167.1
70°	129.2	149.8	124.0	113.7	113.7	118.8	113.7	91.3	79.2	86.1	89.6
72.5°	96.4	113.7	98.2	87.8	84.4	82.7	70.6	51.7	36.2	32.7	31.0
75°	56.8	63.7	60.3	51.7	48.2	43.1	34.4	22.4	12.1	8.6	5.2
77.5°	10.3	12.1	13.8	10.3	8.6	6.9	5.2	1.7	0.0	0.0	0.0
80°	0.0	1.7	1.7	1.7	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)