

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: P630129

Luminaire Tested: GWS-SA1D-722-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630129
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-722-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3723.9 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

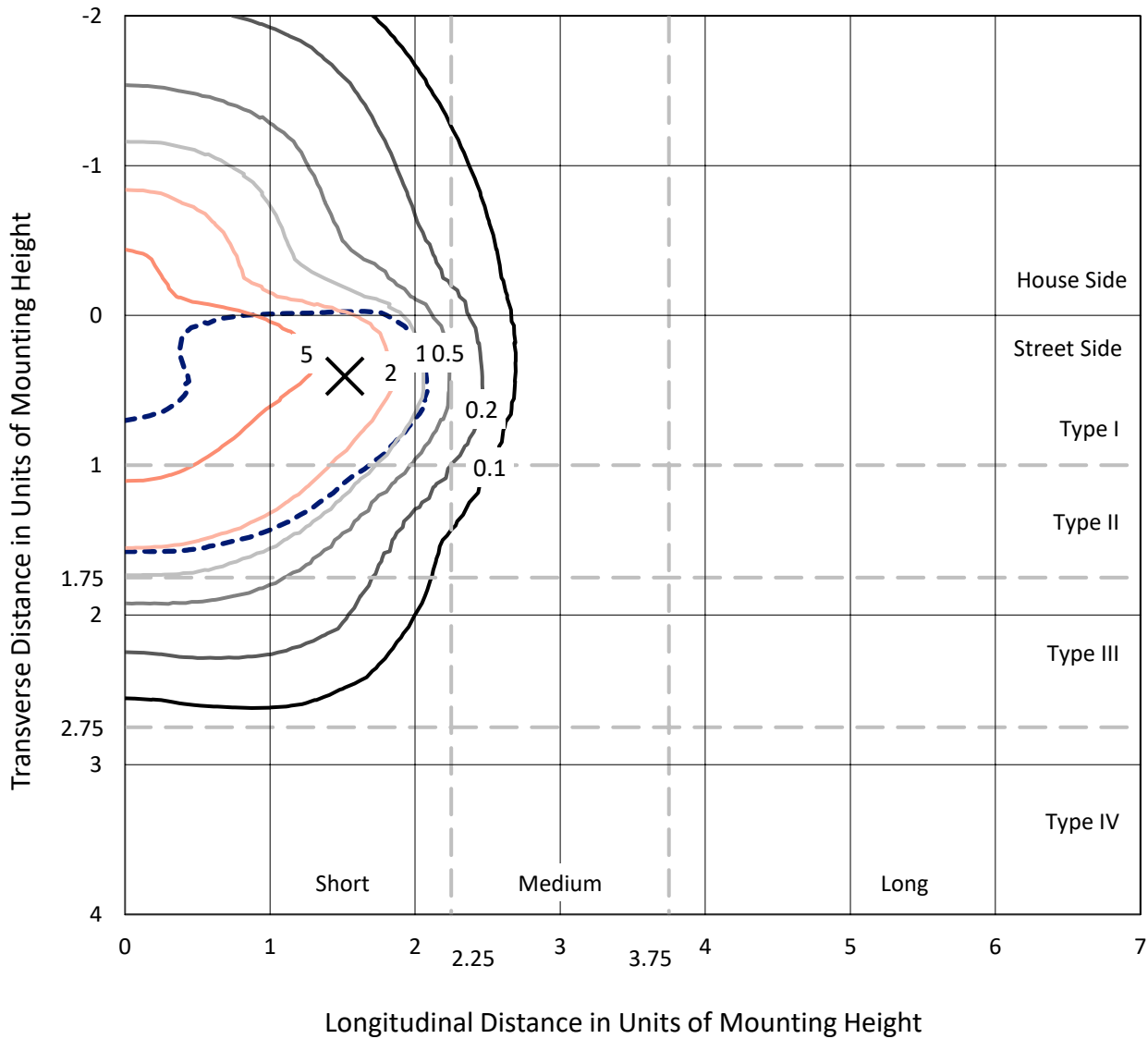
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

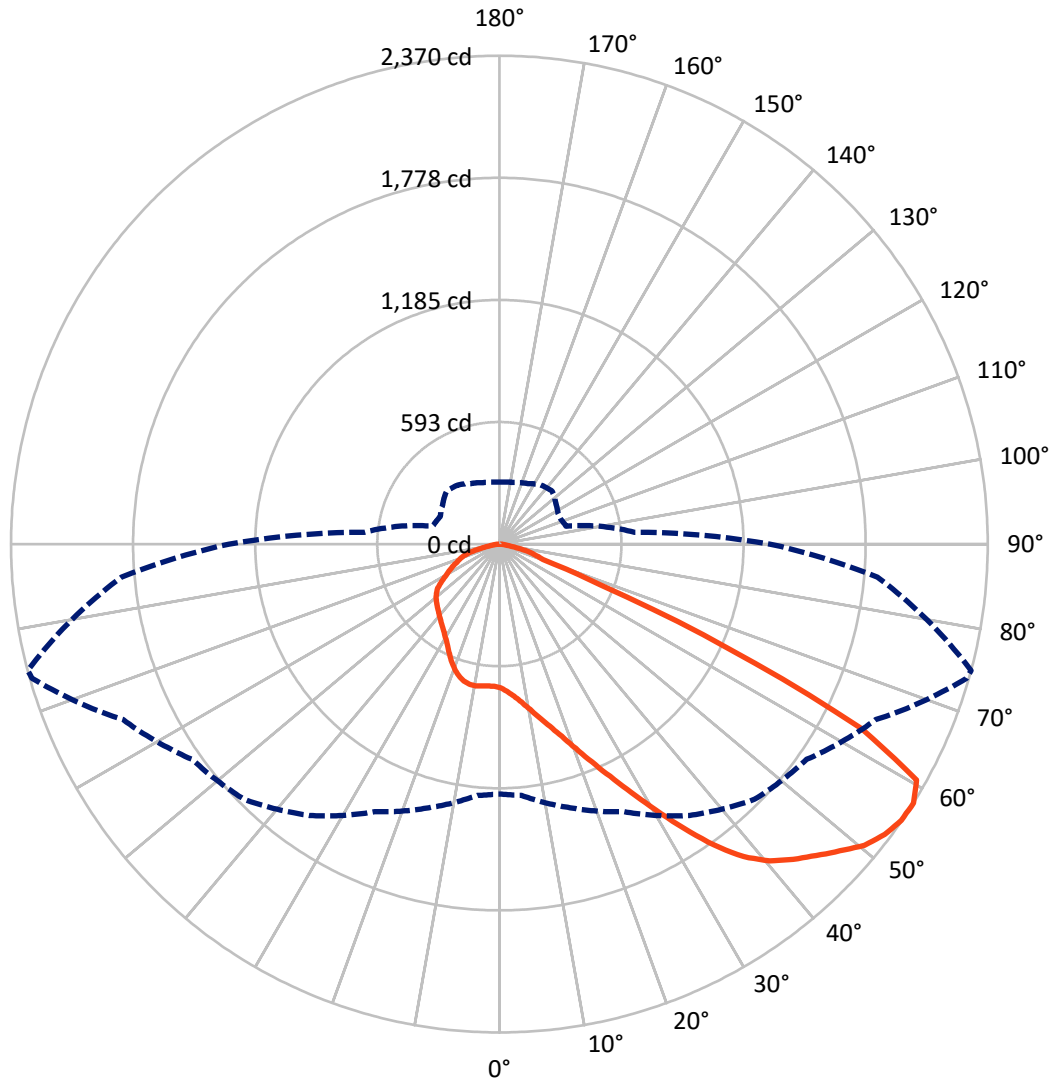
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.9 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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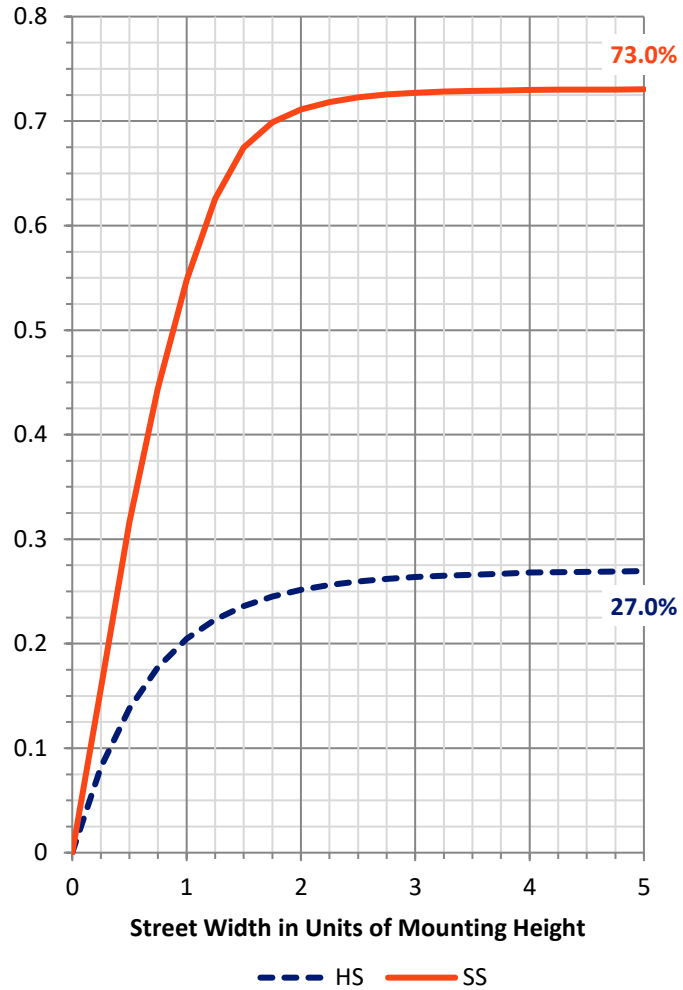
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1007.4	0.0	1007.4
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	2716.5	0.0	2716.5
	% Fixture	72.9	0.0	72.9
Total	Lumens	3723.9	0.0	3723.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.8	1.9
10°-20°	222.2	6.0
20°-30°	394.0	10.6
30°-40°	603.2	16.2
40°-50°	839.9	22.6
50°-60°	962.4	25.8
60°-70°	494.5	13.3
70°-80°	124.5	3.3
80°-90°	13.3	0.4
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°	3723.9	100.0
0°-180°	3723.9	100.0

Coefficient of Utilization



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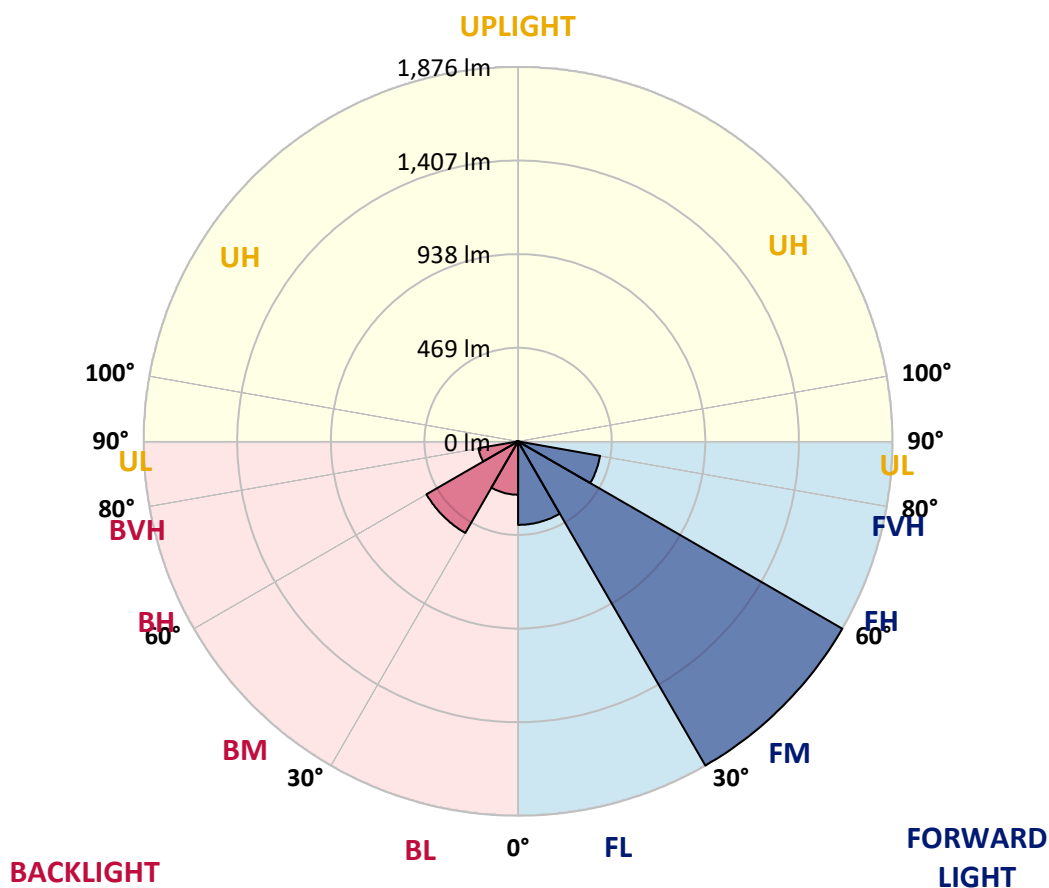
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	418.4	11.2			
FM (30°-60°)	1875.8	50.4			
FH (60°-80°)	417.4	11.2			G0/660
FVH (80°-90°)	4.9	0.1			G0/10
BL (0°-30°)	267.6	7.2	B1/500		
BM (30°-60°)	529.8	14.2	B1/1000		
BH (60°-80°)	201.6	5.4	B1/500		G1/500
BVH (80°-90°)	8.4	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	697.4	697.4	697.4	697.4	697.4	697.4	697.4	697.4	697.4	697.4	697.4
2.5°	749.3	751.2	749.3	752.5	746.1	743.2	736.1	725.6	717.2	716.0	706.7
5°	807.5	811.7	809.1	807.9	799.2	792.8	782.3	761.1	743.8	741.3	723.0
7.5°	845.0	847.9	847.9	848.9	845.6	838.3	827.1	802.1	777.8	773.9	746.4
10°	857.5	859.7	863.9	871.9	878.3	880.6	873.2	849.2	819.4	815.6	777.1
12.5°	860.4	862.9	869.3	884.1	901.7	917.7	919.0	901.4	868.1	863.9	812.7
15°	865.8	868.4	877.0	895.3	921.2	952.0	970.8	958.7	921.9	917.4	853.0
17.5°	865.2	868.1	880.9	905.2	940.1	984.6	1021.1	1026.2	988.1	980.5	898.8
20°	863.6	866.1	879.9	909.7	952.9	1014.1	1080.0	1106.6	1065.6	1058.6	952.3
22.5°	876.4	879.3	889.8	914.5	959.6	1036.8	1134.5	1198.5	1157.5	1147.6	1013.8
25°	905.2	909.4	915.8	932.7	971.8	1057.0	1190.2	1302.6	1260.6	1248.8	1080.7
27.5°	949.7	954.8	963.8	971.8	999.0	1082.6	1245.6	1419.1	1377.2	1364.7	1151.4
30°	1004.1	1010.9	1022.4	1027.8	1046.4	1120.4	1305.8	1539.2	1514.9	1497.6	1231.2
32.5°	1079.4	1088.7	1099.6	1101.2	1112.4	1177.7	1365.3	1658.3	1658.0	1645.8	1321.8
35°	1177.4	1187.3	1189.5	1191.8	1197.2	1256.5	1437.4	1766.9	1808.8	1794.7	1420.4
37.5°	1284.3	1298.7	1302.3	1292.3	1300.0	1351.2	1518.4	1854.0	1940.1	1925.0	1515.8
40°	1398.6	1404.4	1414.0	1398.3	1407.9	1459.8	1597.8	1909.7	2038.1	2022.1	1591.1
42.5°	1480.6	1491.2	1505.6	1499.8	1505.3	1552.7	1653.5	1936.6	2107.9	2091.9	1645.2
45°	1569.6	1572.8	1582.1	1580.8	1584.0	1628.2	1693.5	1948.4	2170.3	2155.9	1691.3
47.5°	1647.1	1651.9	1658.0	1651.0	1643.9	1672.7	1726.2	1958.7	2242.4	2225.1	1739.7
50°	1721.7	1725.9	1733.2	1712.8	1686.5	1693.9	1742.2	1972.8	2309.9	2297.8	1777.8
52.5°	1735.5	1740.0	1774.6	1778.7	1745.1	1719.2	1770.4	2003.8	2349.6	2341.9	1791.5
55°	1562.3	1570.3	1639.1	1718.2	1801.1	1792.8	1815.5	2020.1	2365.3	2367.2	1816.2
57.5°	1212.6	1224.1	1324.7	1433.2	1607.7	1752.1	1821.3	2016.0	2359.9	2370.4	1841.5
60°	795.4	802.1	921.2	1042.9	1223.8	1423.6	1630.1	1941.1	2311.5	2326.6	1835.1
62.5°	480.3	488.0	583.7	675.9	782.6	916.1	1105.7	1560.0	1937.5	1971.2	1469.7
65°	335.3	345.5	429.4	505.3	542.1	514.6	560.0	871.3	1207.2	1221.2	898.2
67.5°	243.0	250.1	318.9	409.2	449.9	363.4	277.0	385.8	525.8	530.9	370.5
70°	159.1	167.1	229.6	311.6	367.3	294.6	207.2	208.8	221.3	223.8	215.2
72.5°	87.4	92.2	141.8	206.8	217.1	176.1	161.7	173.5	182.2	182.2	184.4
75°	45.1	49.3	58.0	68.2	82.3	96.4	116.6	134.2	143.4	144.1	143.1
77.5°	23.1	24.7	31.1	33.6	36.8	42.9	55.7	71.4	79.7	82.9	82.3
80°	10.9	11.5	13.1	15.4	18.9	24.0	30.1	35.9	41.0	41.6	45.1
82.5°	5.8	6.4	7.0	8.3	10.2	12.8	17.6	21.1	24.3	25.0	27.9
85°	2.2	2.6	2.9	3.2	4.5	5.4	7.4	9.9	12.2	12.2	14.4
87.5°	0.0	0.0	0.0	0.0	0.3	0.6	1.3	1.6	2.2	2.2	3.8
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°	697.4	697.4	697.4	697.4	697.4	697.4	697.4	697.4	697.4	697.4	697.4
2.5°	704.4	695.2	691.0	684.3	678.8	672.7	667.9	664.4	662.2	660.9	659.6
5°	716.0	701.9	690.7	677.2	667.9	659.0	651.6	646.5	643.9	642.0	640.7
7.5°	733.9	715.0	693.9	673.1	656.7	642.3	633.0	627.6	624.1	622.8	621.8
10°	758.6	732.3	697.4	664.4	640.1	624.4	618.0	615.4	615.7	615.1	614.8
12.5°	786.4	750.6	696.4	649.0	622.1	612.9	613.2	617.3	622.1	623.4	623.8
15°	816.5	768.5	687.2	629.2	608.1	609.0	617.3	627.3	636.2	639.8	640.4
17.5°	849.2	783.5	670.2	607.4	596.5	606.8	622.1	638.5	651.6	657.4	659.0
20°	885.7	796.3	646.2	586.0	585.6	602.6	625.0	646.5	663.1	670.8	672.1
22.5°	924.4	804.3	616.7	566.1	574.4	597.2	622.8	645.2	662.8	670.5	672.1
25°	963.5	806.9	584.4	547.9	562.9	588.5	611.9	629.8	646.5	653.2	654.5
27.5°	1000.0	799.5	553.6	532.2	552.3	575.7	591.4	601.0	612.5	617.7	618.6
30°	1037.1	784.8	527.7	519.7	540.5	558.1	565.2	565.8	570.3	570.3	570.9
32.5°	1074.6	763.0	505.0	507.5	525.8	537.3	538.3	530.9	525.4	516.5	516.2
35°	1117.8	740.9	486.4	493.7	508.5	515.5	512.6	498.6	485.4	470.7	470.1
37.5°	1157.8	718.2	470.7	479.7	488.9	494.1	487.3	470.4	459.5	444.4	442.2
40°	1190.8	697.7	455.6	464.9	469.4	473.9	463.0	449.2	450.8	442.5	442.2
42.5°	1210.0	677.9	441.6	448.6	451.5	454.7	445.1	434.8	443.5	437.1	437.4
45°	1224.1	660.6	428.7	431.3	438.4	443.2	434.2	422.7	424.6	399.9	394.2
47.5°	1240.1	651.0	416.6	414.0	426.5	434.8	421.1	404.4	392.9	368.6	366.3
50°	1257.1	647.4	403.8	396.7	411.8	419.8	403.8	383.0	367.9	354.8	353.5
52.5°	1262.9	647.1	387.8	375.9	391.0	402.2	388.7	367.6	349.7	336.9	336.2
55°	1285.6	656.4	367.3	347.4	361.5	384.6	374.6	344.2	329.8	324.0	323.4
57.5°	1312.2	658.0	334.9	316.4	335.9	363.1	350.6	324.4	308.7	301.6	301.0
60°	1301.3	618.6	300.3	292.7	314.1	342.9	331.4	308.7	290.4	283.7	283.1
62.5°	991.7	436.8	275.1	272.2	290.7	313.8	311.6	287.9	270.6	265.8	265.1
65°	596.5	306.8	250.7	250.4	263.5	285.6	288.5	269.3	251.0	244.3	244.3
67.5°	294.9	234.7	223.2	221.6	229.9	245.6	257.8	242.1	226.7	220.3	219.3
70°	208.5	206.8	203.0	198.5	200.1	206.5	211.7	198.5	182.2	175.8	174.5
72.5°	180.3	180.6	178.0	174.5	173.2	168.7	164.3	154.7	144.7	138.0	138.6
75°	139.9	140.6	142.2	140.9	137.4	132.6	127.8	115.6	107.6	101.2	99.9
77.5°	81.7	84.9	90.0	88.7	89.3	82.6	80.7	68.8	61.5	57.0	56.0
80°	46.1	48.0	50.3	51.9	50.0	47.1	42.9	36.5	34.3	31.1	30.4
82.5°	27.9	29.8	30.7	32.0	31.4	27.5	24.3	20.2	18.3	16.7	16.3
85°	14.1	15.4	16.3	17.0	15.0	12.5	11.2	9.0	7.7	6.7	6.7
87.5°	3.5	3.8	4.5	3.8	3.5	1.6	1.3	0.3	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)