

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: P630800

Luminaire Tested: GWS-SA1E-735-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630800
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-735-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4687.5 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

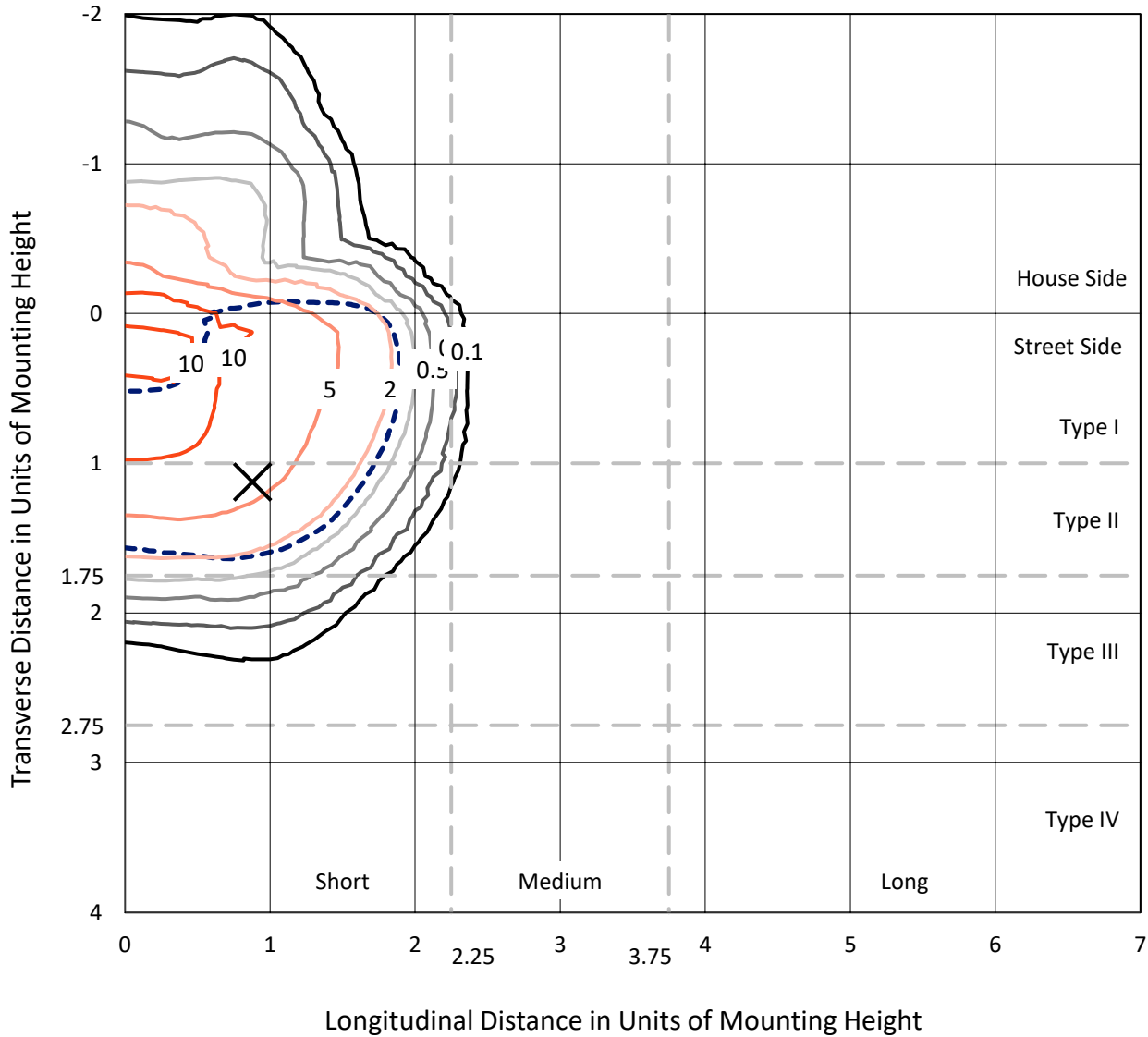
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

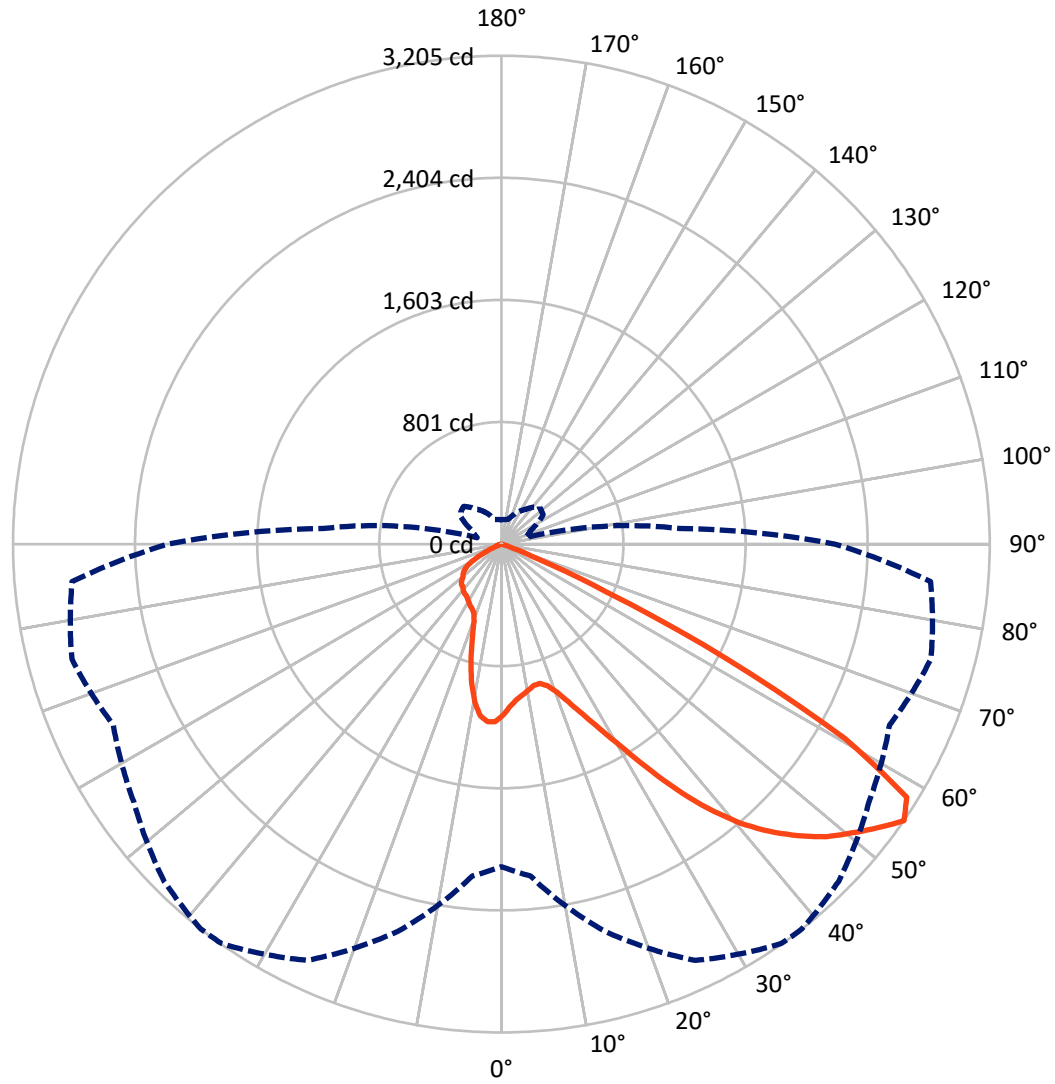
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 fc
 Type II - Short - N/A

REPORT NUMBER: P630800
CATALOG NUMBER: GWS-SA1E-735-U-T3R-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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CATALOG NUMBER: GWS-SA1E-735-U-T3R-W-GRSBK

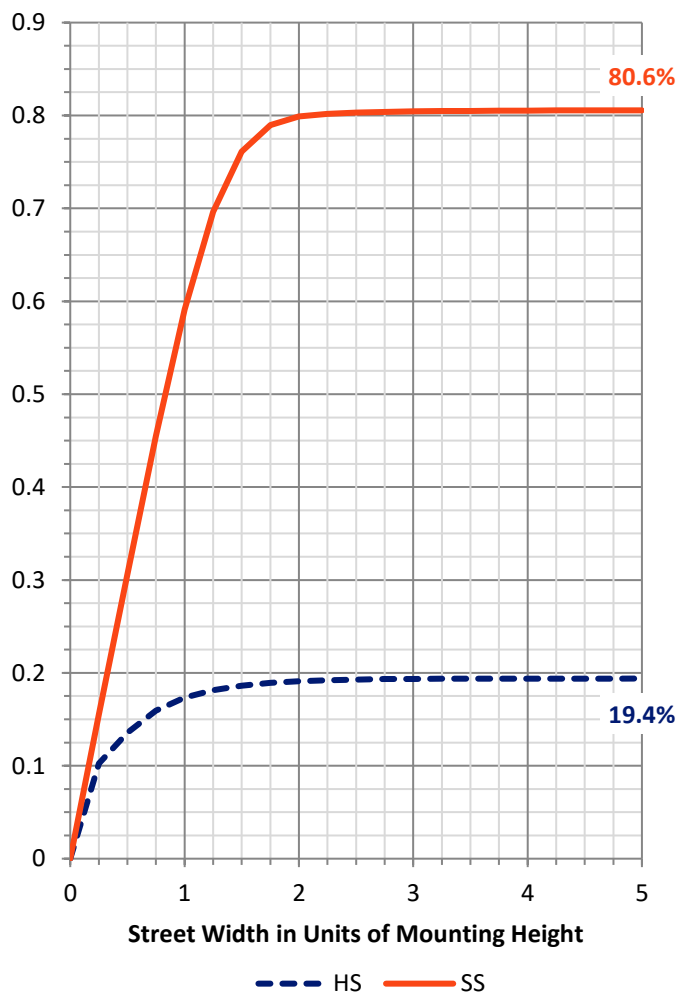
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	913.3	0.0	913.3
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	3774.2	0.0	3774.2
	% Fixture	80.5	0.0	80.5
Total	Lumens	4687.5	0.0	4687.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.9	2.2
10°-20°	279.8	6.0
20°-30°	480.2	10.2
30°-40°	796.4	17.0
40°-50°	1170.7	25.0
50°-60°	1368.1	29.2
60°-70°	463.7	9.9
70°-80°	23.7	0.5
80°-90°	0.9	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°	4687.5	100.0
0°-180°	4687.5	100.0

Coefficient of Utilization



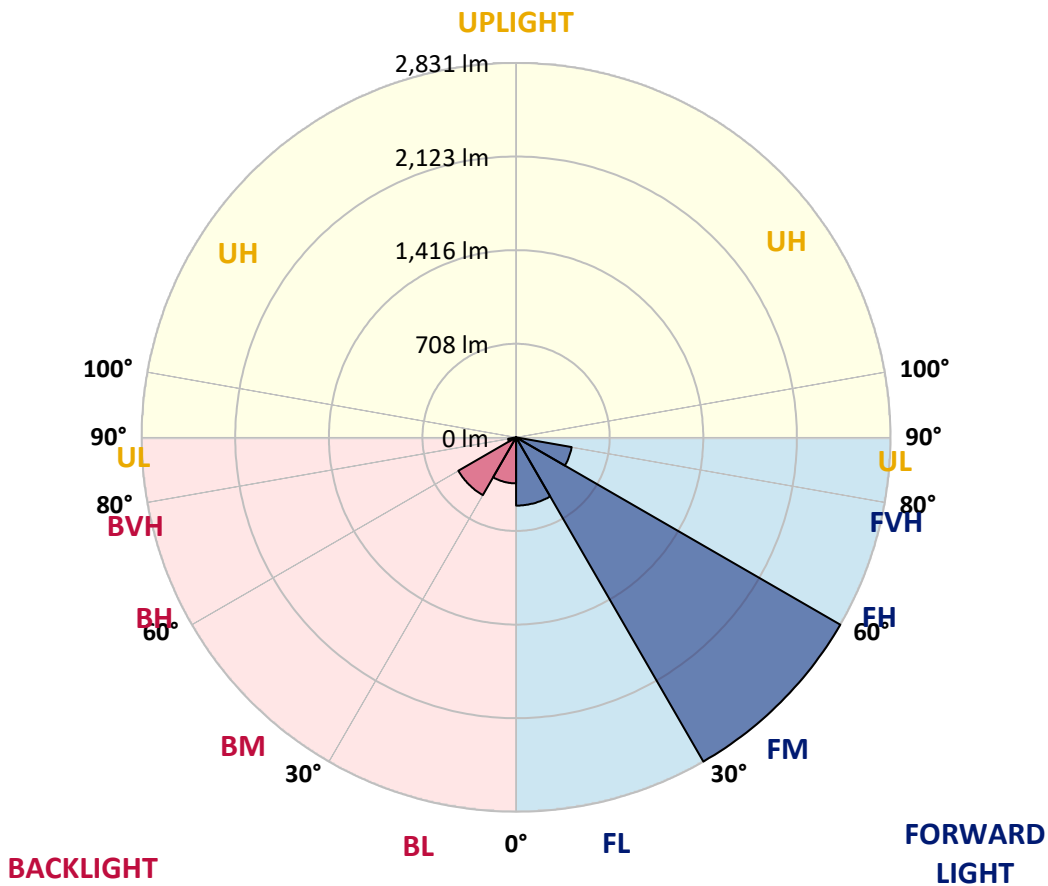
REPORT NUMBER: P630800

CATALOG NUMBER: GWS-SA1E-735-U-T3R-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	516.0	11.0			
FM (30°-60°)	2831.1	60.4			
FH (60°-80°)	426.6	9.1			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	347.9	7.4	B1/500		
BM (30°-60°)	504.1	10.8	B1/1000		
BH (60°-80°)	60.8	1.3	B0/110		G0/110
BVH (80°-90°)	0.4	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-G0
 Type II Short





REPORT NUMBER: P630800

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	1124.1	1124.1	1124.1	1124.1	1124.1	1124.1	1124.1	1124.1	1124.1	1124.1	1124.1
2.5°	1046.9	1044.8	1049.1	1057.7	1065.7	1068.4	1076.4	1087.7	1094.6	1111.2	1124.6
5°	999.8	998.7	1003.0	1010.5	1021.2	1025.0	1037.3	1056.1	1074.8	1103.7	1132.1
7.5°	956.9	956.4	962.8	979.4	995.0	999.8	1014.8	1037.8	1063.0	1107.5	1149.3
10°	900.7	901.2	913.5	937.1	965.5	975.1	999.3	1032.5	1065.2	1122.5	1180.4
12.5°	882.5	883.5	890.0	908.2	939.2	951.6	985.3	1035.7	1077.5	1143.9	1220.5
15°	926.9	926.9	921.6	923.7	937.6	948.9	984.3	1046.4	1098.4	1169.6	1260.2
17.5°	1013.2	1010.0	996.6	978.4	973.5	977.3	1005.7	1069.4	1127.8	1199.6	1305.2
20°	1130.0	1131.1	1104.8	1066.8	1036.2	1035.7	1052.8	1110.2	1170.2	1235.5	1354.0
22.5°	1271.4	1267.2	1232.3	1180.4	1127.3	1123.0	1130.0	1172.3	1231.3	1292.3	1414.0
25°	1435.4	1433.3	1384.0	1314.3	1244.1	1233.9	1233.9	1275.7	1318.6	1373.2	1485.8
27.5°	1606.8	1606.8	1559.2	1478.8	1385.6	1367.3	1364.7	1414.0	1442.4	1453.1	1546.3
30°	1783.1	1781.0	1733.8	1651.3	1551.7	1532.9	1525.4	1561.8	1582.2	1550.1	1621.9
32.5°	1962.1	1965.8	1918.1	1841.5	1752.6	1740.3	1717.2	1717.2	1733.8	1688.8	1740.8
35°	2154.4	2153.4	2115.9	2063.9	1987.8	1973.9	1935.8	1876.4	1901.5	1881.7	1905.3
37.5°	2324.3	2332.3	2314.1	2275.5	2213.9	2200.0	2137.3	2029.6	2048.9	2080.0	2100.9
40°	2496.8	2503.2	2521.5	2509.1	2431.4	2405.7	2294.3	2117.5	2138.9	2245.5	2305.5
42.5°	2666.1	2669.3	2706.3	2726.7	2622.7	2577.7	2413.2	2171.0	2193.5	2375.2	2480.2
45°	2773.8	2780.8	2841.9	2904.0	2791.5	2729.9	2516.6	2239.6	2249.3	2465.2	2609.3
47.5°	2769.5	2785.6	2900.3	3013.3	2936.7	2870.3	2640.9	2349.5	2333.4	2549.8	2694.5
50°	2683.3	2702.6	2867.0	3046.5	3041.2	2979.6	2779.2	2508.6	2458.2	2624.9	2705.2
52.5°	2504.3	2560.0	2808.6	3050.8	3125.3	3094.2	2950.1	2722.9	2627.0	2732.6	2722.4
55°	2117.5	2186.0	2631.3	3014.4	3201.4	3205.1	3129.6	2946.3	2810.2	2917.9	2827.9
57.5°	1607.4	1662.0	2025.3	2683.3	3075.5	3137.1	3199.2	3064.2	2923.3	3044.4	2852.6
60°	968.7	1031.9	1268.2	1969.0	2483.9	2589.0	2832.7	2806.5	2636.6	2688.6	2339.3
62.5°	392.7	426.0	585.6	1085.0	1563.5	1661.5	1895.1	1934.8	1893.0	1839.9	1418.8
65°	143.6	157.0	234.7	448.5	719.0	754.9	878.2	948.4	1006.2	856.7	527.8
67.5°	88.9	97.5	152.7	230.4	261.5	243.3	247.5	295.2	281.8	174.1	94.3
70°	65.9	72.9	119.5	159.7	105.6	81.4	55.2	58.9	53.0	46.6	46.1
72.5°	45.5	52.0	89.5	94.3	40.7	28.9	20.4	28.4	32.1	31.6	32.7
75°	30.0	34.8	56.3	37.0	10.2	8.0	7.0	15.0	19.3	19.3	19.8
77.5°	17.7	20.4	19.8	7.5	2.1	2.1	1.6	2.7	4.3	4.8	5.9
80°	2.1	1.6	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6	1.6
82.5°	0.5	0.5	0.5	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6
85°	0.0	0.0	0.5	0.5	1.1	1.1	1.1	1.1	1.1	1.6	1.6
87.5°	0.0	0.0	0.5	0.5	1.1	1.1	1.1	1.1	1.1	1.6	1.6
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: P630800

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1124.1	1124.1	1124.1	1124.1	1124.1	1124.1	1124.1	1124.1	1124.1	1124.1	1124.1
2.5°	1134.8	1131.1	1146.6	1157.9	1167.0	1171.2	1165.4	1164.8	1164.8	1153.0	1149.8
5°	1148.2	1149.8	1171.8	1181.4	1183.0	1177.7	1164.3	1155.2	1149.8	1137.5	1130.5
7.5°	1173.9	1179.3	1200.2	1198.6	1184.1	1159.5	1124.1	1096.8	1079.1	1059.8	1048.0
10°	1210.9	1221.1	1233.9	1211.4	1165.4	1102.7	1029.8	977.8	946.8	924.8	911.4
12.5°	1255.9	1266.1	1261.8	1208.8	1112.8	1000.9	907.1	832.1	796.2	776.4	762.4
15°	1301.4	1307.9	1280.0	1176.6	1020.2	869.6	765.1	690.6	646.7	630.6	618.8
17.5°	1348.1	1346.5	1283.2	1113.4	896.4	721.7	618.8	567.9	555.6	552.9	551.9
20°	1396.8	1382.4	1270.4	1022.8	747.4	575.4	517.0	520.3	542.8	553.5	555.6
22.5°	1452.5	1416.1	1238.2	900.1	595.3	479.5	485.4	517.0	547.6	562.0	564.2
25°	1512.0	1447.2	1184.6	742.6	469.4	441.0	475.8	512.2	544.9	562.6	564.7
27.5°	1551.1	1454.7	1096.8	584.0	402.9	426.0	462.9	497.8	531.5	550.8	553.5
30°	1593.5	1451.5	977.3	450.1	380.4	413.1	445.2	476.9	507.9	529.4	531.5
32.5°	1655.6	1449.3	831.6	365.4	371.3	402.9	426.5	452.7	474.2	486.5	484.9
35°	1737.0	1446.6	661.7	329.5	365.9	394.9	413.6	426.0	402.4	394.9	396.5
37.5°	1841.5	1453.1	518.6	314.5	364.3	392.7	408.8	373.4	337.0	323.1	320.9
40°	1957.3	1469.7	395.4	308.6	369.7	398.1	390.6	332.2	287.2	259.9	254.0
42.5°	2073.5	1487.9	312.9	306.5	378.8	413.1	360.6	302.2	234.7	219.1	217.0
45°	2159.8	1484.7	270.6	302.7	386.8	421.7	352.6	259.3	209.5	202.5	203.1
47.5°	2203.2	1449.3	247.5	294.2	390.1	413.1	332.7	241.6	192.4	199.9	206.3
50°	2180.2	1357.7	226.1	277.5	383.1	401.8	301.1	228.2	183.8	214.9	229.3
52.5°	2152.3	1245.2	202.5	251.8	366.5	386.3	288.8	224.5	178.4	207.4	218.1
55°	2189.3	1173.9	164.0	212.2	333.8	349.9	279.1	224.0	166.1	161.3	159.7
57.5°	2137.3	1031.9	117.3	152.7	256.1	277.0	272.2	220.2	147.3	146.8	149.0
60°	1651.9	629.6	80.4	97.0	157.0	176.8	247.0	210.6	127.0	116.8	117.3
62.5°	938.7	267.9	55.2	60.0	80.4	95.4	188.6	191.3	117.3	111.4	117.3
65°	326.8	95.9	42.9	40.2	44.5	50.9	108.2	147.9	106.6	96.4	97.5
67.5°	67.5	47.7	38.0	33.2	33.2	33.2	55.2	92.2	87.9	76.6	77.7
70°	42.9	40.7	33.2	28.4	27.3	25.2	31.6	50.9	60.5	55.7	56.3
72.5°	31.6	31.1	26.3	23.0	20.4	18.2	19.8	25.2	31.1	32.1	32.7
75°	19.3	19.8	17.1	14.5	12.9	11.3	11.8	11.8	11.8	10.7	11.8
77.5°	5.9	6.4	5.4	4.3	3.8	3.8	3.8	3.2	2.7	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.1	1.1	0.5	0.5	0.0	0.0
82.5°	1.6	1.6	1.6	1.6	1.1	1.1	0.5	0.5	0.0	0.0	0.0
85°	1.6	1.6	1.6	1.6	1.1	1.1	0.5	0.5	0.0	0.0	0.0
87.5°	1.6	1.6	1.6	1.6	1.1	1.1	0.5	0.5	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)