

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: P629373

Luminaire Tested: GWS-SA1B-740-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629373
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-740-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3142.2 lumens
Efficiency: N/A
Efficacy: 125.7 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

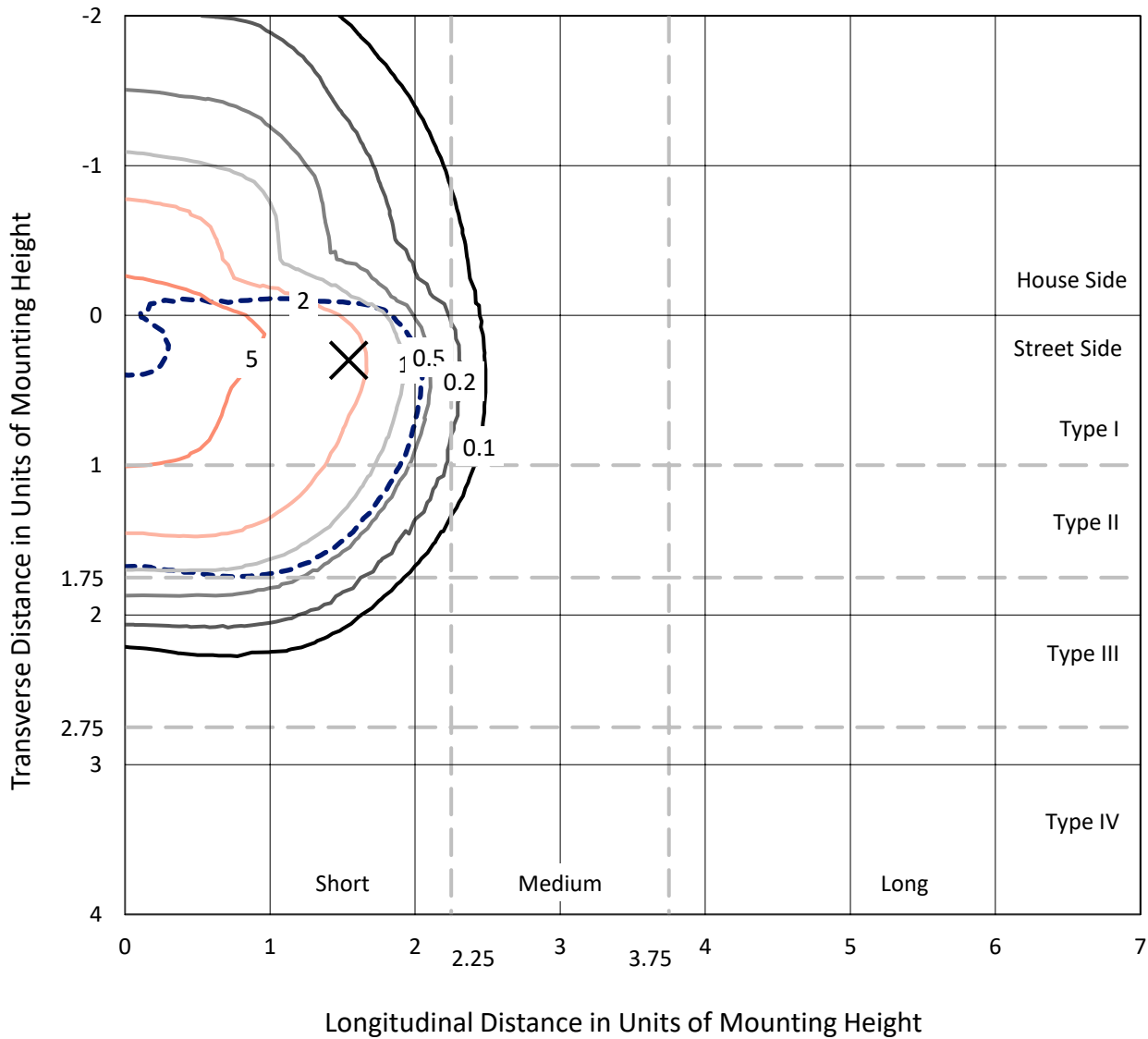
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

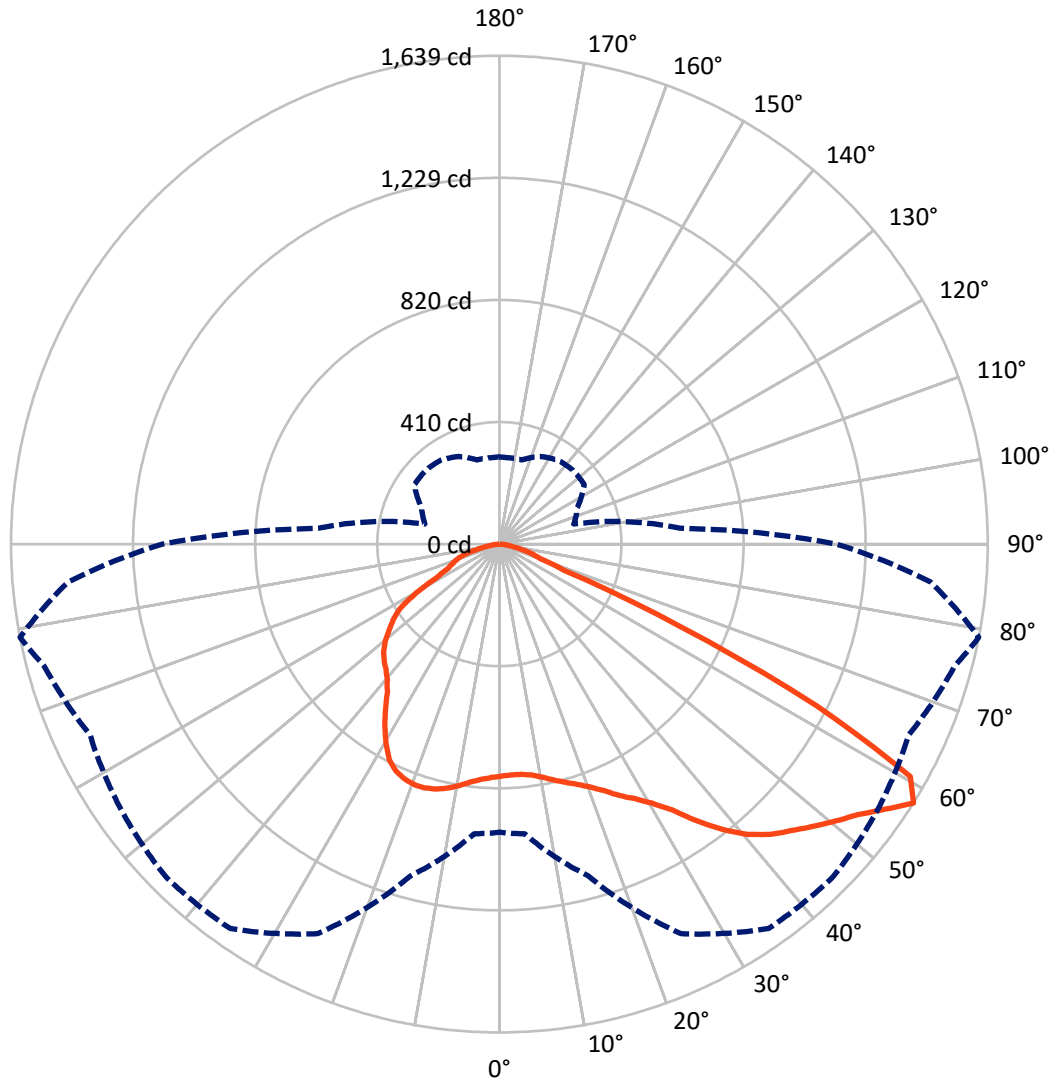
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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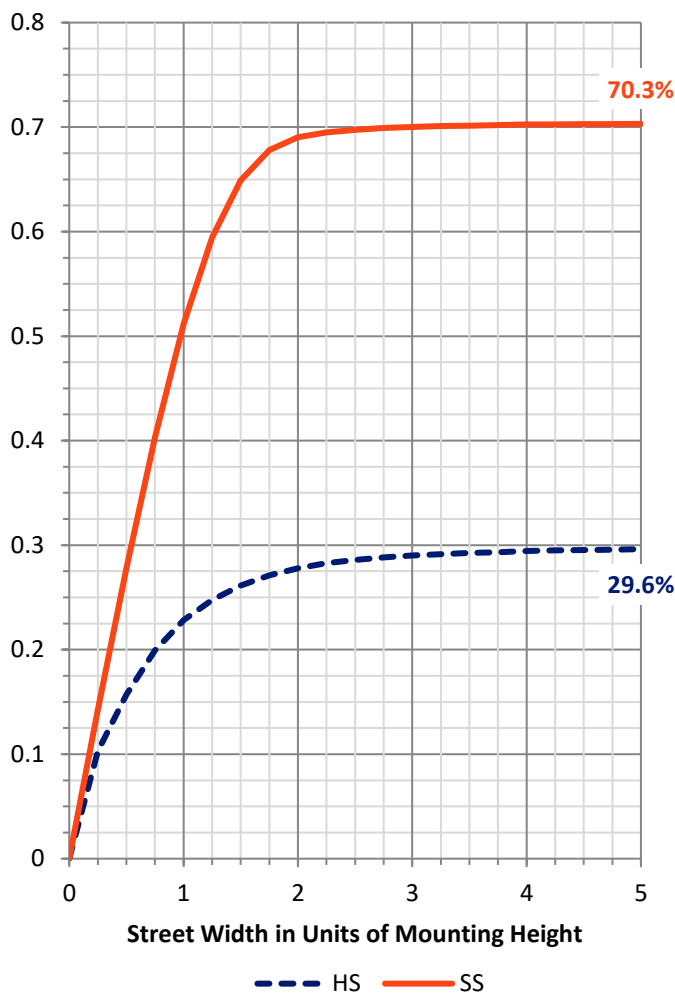
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	934.0	0.0	934.0
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	2208.2	0.0	2208.2
	% Fixture	70.3	0.0	70.3
Total	Lumens	3142.2	0.0	3142.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.1	2.3
10°-20°	200.4	6.4
20°-30°	339.7	10.8
30°-40°	520.0	16.5
40°-50°	693.3	22.1
50°-60°	800.7	25.5
60°-70°	416.1	13.2
70°-80°	88.4	2.8
80°-90°	11.5	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°	3142.2	100.0
0°-180°	3142.2	100.0

Coefficient of Utilization



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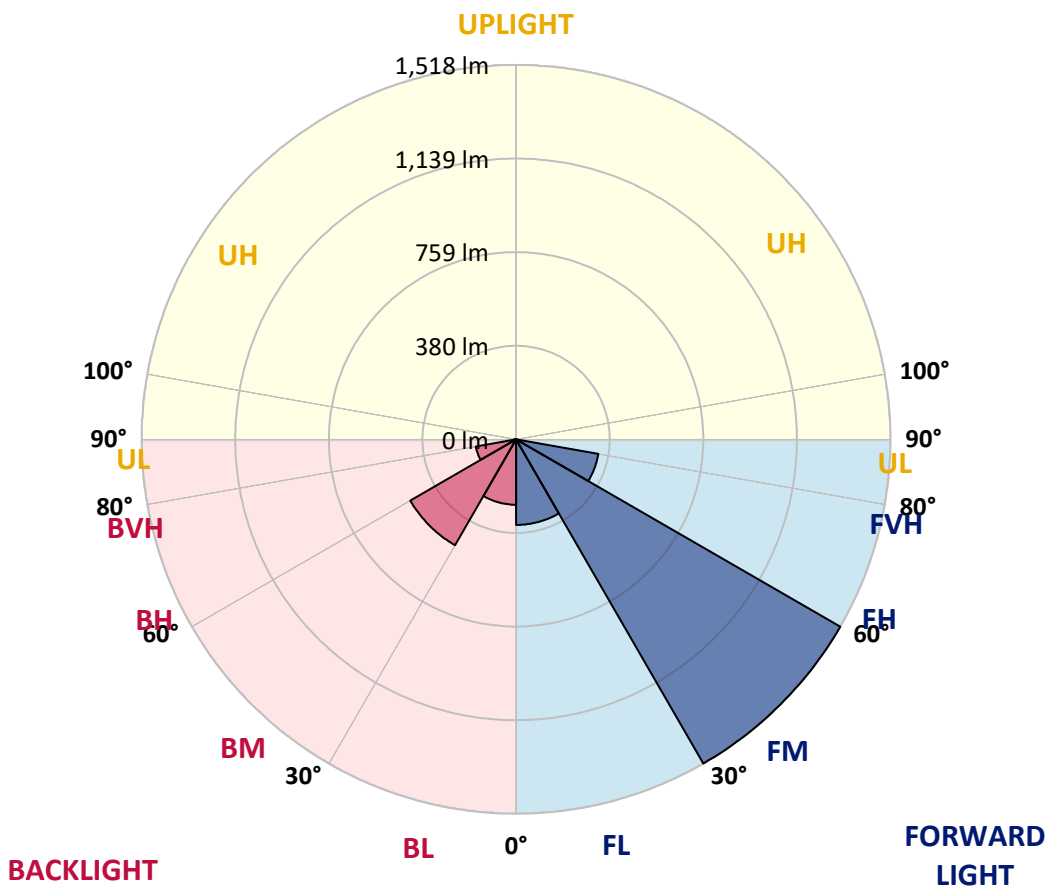
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	347.0	11.0			
FM (30°-60°)	1518.4	48.3			
FH (60°-80°)	338.8	10.8			G0/660
FVH (80°-90°)	4.0	0.1			G0/10
BL (0°-30°)	265.3	8.4	B1/500		
BM (30°-60°)	495.6	15.8	B1/1000		
BH (60°-80°)	165.7	5.3	B1/500		G1/500
BVH (80°-90°)	7.5	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°	75°	79°	85°
0°	778.7	778.7	778.7	778.7	778.7	778.7	778.7	778.7	778.7	778.7	778.7
2.5°	743.3	741.7	742.2	744.3	752.0	757.6	763.6	768.9	774.1	775.6	776.9
5°	716.8	714.0	714.7	718.1	727.1	736.6	747.1	760.0	772.3	776.4	781.8
7.5°	698.0	697.5	698.8	703.9	713.5	722.4	736.1	754.3	775.6	782.6	792.1
10°	673.1	672.1	677.2	687.8	703.4	717.8	734.0	755.6	785.4	795.7	810.3
12.5°	653.3	652.8	658.2	672.9	692.9	715.8	738.1	762.3	798.5	812.6	830.6
15°	664.9	662.6	662.8	673.1	691.1	718.1	748.4	774.3	811.6	829.6	852.7
17.5°	698.6	694.4	691.4	693.2	703.4	731.4	764.1	790.5	826.8	847.8	876.1
20°	745.1	742.7	734.3	728.6	730.9	755.6	788.7	813.4	846.5	870.2	900.5
22.5°	807.5	801.8	790.3	781.3	774.3	793.6	824.2	845.5	874.0	898.7	930.3
25°	884.8	876.6	858.4	844.2	829.3	849.1	876.3	892.5	911.8	934.7	964.7
27.5°	963.7	956.8	936.5	917.4	898.9	911.3	943.6	952.9	950.8	967.5	993.2
30°	1047.7	1039.0	1019.7	999.1	975.2	983.2	1012.2	1016.9	995.0	1008.9	1026.4
32.5°	1136.3	1127.9	1111.2	1087.3	1060.3	1063.4	1071.3	1075.7	1054.9	1062.9	1076.2
35°	1226.5	1218.5	1201.6	1178.0	1158.2	1139.4	1119.4	1136.8	1124.8	1140.2	1139.2
37.5°	1309.0	1301.0	1290.5	1272.2	1238.3	1201.3	1155.1	1176.7	1195.4	1215.0	1211.6
40°	1364.7	1359.3	1361.9	1359.1	1315.4	1242.2	1172.6	1196.2	1247.3	1280.7	1278.9
42.5°	1412.8	1407.4	1422.3	1433.1	1381.7	1280.0	1181.0	1203.6	1280.5	1332.6	1330.0
45°	1434.1	1432.6	1457.2	1491.4	1442.3	1320.0	1202.9	1219.1	1305.6	1372.4	1362.7
47.5°	1408.7	1414.1	1462.6	1520.4	1492.7	1367.6	1247.6	1251.7	1338.5	1415.6	1388.1
50°	1358.1	1369.9	1435.4	1521.2	1529.4	1421.3	1309.5	1299.2	1382.7	1461.6	1401.5
52.5°	1284.3	1296.7	1403.5	1515.3	1550.5	1483.4	1392.0	1377.3	1438.5	1507.6	1403.8
55°	1115.0	1131.7	1330.6	1501.9	1571.0	1539.9	1485.0	1455.2	1510.4	1570.8	1426.6
57.5°	967.3	976.0	1152.8	1442.6	1575.1	1581.6	1551.3	1515.8	1581.8	1639.1	1452.3
60°	709.9	711.9	870.9	1193.6	1449.0	1557.4	1545.9	1493.2	1547.9	1584.4	1334.7
62.5°	401.0	401.3	528.2	796.7	1082.4	1269.4	1276.6	1230.1	1184.1	1194.9	929.0
65°	150.6	164.7	241.2	391.5	624.0	749.4	779.2	790.0	713.5	665.9	498.2
67.5°	100.7	104.1	140.8	201.4	277.7	320.6	358.7	359.7	263.1	234.6	196.3
70°	76.8	80.2	110.7	144.1	140.8	130.0	140.5	136.7	141.3	145.2	149.3
72.5°	57.3	60.6	85.8	101.7	84.5	83.2	94.3	104.8	114.6	118.7	125.1
75°	38.0	40.6	57.8	54.5	46.8	55.2	68.9	79.4	85.0	89.9	94.8
77.5°	24.2	25.9	30.8	24.9	25.9	32.4	40.1	49.6	55.0	59.9	62.4
80°	11.0	10.8	10.5	11.8	14.6	19.0	24.2	29.8	33.9	36.0	37.5
82.5°	4.4	4.9	5.4	6.4	8.0	10.3	13.6	17.5	20.8	21.3	22.6
85°	1.8	2.1	2.3	2.8	3.6	4.6	5.7	8.0	10.0	10.8	11.6
87.5°	0.0	0.0	0.0	0.0	0.3	0.5	0.8	1.3	2.3	2.6	2.8
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°	778.7	778.7	778.7	778.7	778.7	778.7	778.7	778.7	778.7	778.7	778.7
2.5°	783.8	780.5	786.2	790.0	793.6	789.8	788.5	785.1	784.6	784.6	786.4
5°	791.0	788.7	794.6	797.0	796.7	788.2	783.1	776.4	773.1	773.1	773.6
7.5°	803.9	802.6	805.9	802.3	794.1	776.9	760.0	745.8	736.3	731.4	733.0
10°	825.2	823.7	820.8	807.5	783.8	748.1	713.5	687.8	672.3	663.6	664.1
12.5°	846.0	843.5	833.4	803.9	755.3	698.6	653.1	624.3	607.3	597.1	594.8
15°	868.9	862.2	840.6	785.4	708.8	637.9	590.4	559.3	541.1	534.9	534.6
17.5°	890.7	878.9	839.9	752.5	653.1	574.5	526.7	507.4	504.3	507.2	507.9
20°	912.8	893.8	831.4	707.0	586.8	511.3	486.6	494.6	506.1	513.8	515.6
22.5°	935.7	906.1	812.1	648.5	516.9	468.6	478.9	496.4	510.7	521.0	522.1
25°	961.4	917.7	783.3	576.8	460.9	456.8	477.1	495.6	511.0	522.8	524.9
27.5°	976.0	918.0	743.0	503.0	435.2	452.2	472.7	490.2	505.6	518.5	520.8
30°	990.4	911.0	679.0	443.2	427.8	446.8	465.3	481.5	496.1	508.7	511.5
32.5°	1010.7	904.6	605.3	408.8	423.4	441.6	456.8	471.2	482.5	488.1	489.7
35°	1035.9	896.4	526.9	393.9	420.6	437.5	450.9	458.6	443.9	440.9	444.2
37.5°	1071.1	888.7	448.8	387.4	418.8	436.0	447.8	428.0	410.0	402.8	405.4
40°	1109.1	884.3	395.9	382.3	419.5	437.5	435.0	405.7	379.7	364.6	364.0
42.5°	1141.5	877.6	362.0	378.9	421.6	443.4	417.5	385.9	347.3	338.4	338.6
45°	1163.3	860.7	344.0	375.4	423.4	444.7	409.3	358.7	331.2	325.5	325.3
47.5°	1172.3	829.8	332.4	369.7	423.1	434.2	392.6	347.3	319.9	318.3	319.3
50°	1166.4	779.2	320.6	358.7	417.0	423.1	373.3	337.3	312.2	320.6	326.8
52.5°	1144.6	713.7	306.5	343.5	405.9	410.6	363.5	331.2	306.5	317.8	322.7
55°	1138.9	660.5	288.5	323.7	389.5	388.2	353.3	328.1	302.6	298.3	299.0
57.5°	1131.5	608.6	258.7	288.3	347.9	349.9	343.5	324.5	292.6	291.3	292.6
60°	983.0	466.6	230.7	248.7	285.7	296.7	332.4	317.8	276.4	271.0	270.8
62.5°	642.0	282.6	205.3	216.8	232.8	245.6	303.2	298.5	258.7	255.4	257.7
65°	345.3	201.4	186.8	193.7	202.4	212.2	251.3	265.9	233.8	222.0	222.2
67.5°	176.5	171.4	172.9	177.8	184.5	189.3	202.7	215.6	199.4	189.3	189.1
70°	151.1	155.2	157.5	160.3	164.7	163.9	165.2	167.5	166.2	161.3	161.1
72.5°	128.7	135.1	135.7	136.2	137.7	134.1	131.8	127.9	128.2	129.0	129.2
75°	97.9	104.1	105.6	104.8	106.4	101.7	98.7	94.8	90.2	89.4	89.9
77.5°	63.7	68.6	70.9	70.4	71.2	67.6	66.0	61.9	56.5	54.5	54.5
80°	38.5	41.4	43.2	43.7	44.4	41.9	39.3	35.7	33.4	31.1	31.1
82.5°	23.4	25.2	26.5	26.5	27.2	24.4	22.4	19.8	18.8	16.7	16.7
85°	11.8	13.1	13.6	13.4	12.8	10.5	9.8	8.5	8.0	6.9	6.9
87.5°	2.8	3.6	3.6	2.6	2.6	1.3	0.8	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)