

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: P631591

Luminaire Tested: GWS-SA2B-722-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631591
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-722-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3294.7 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

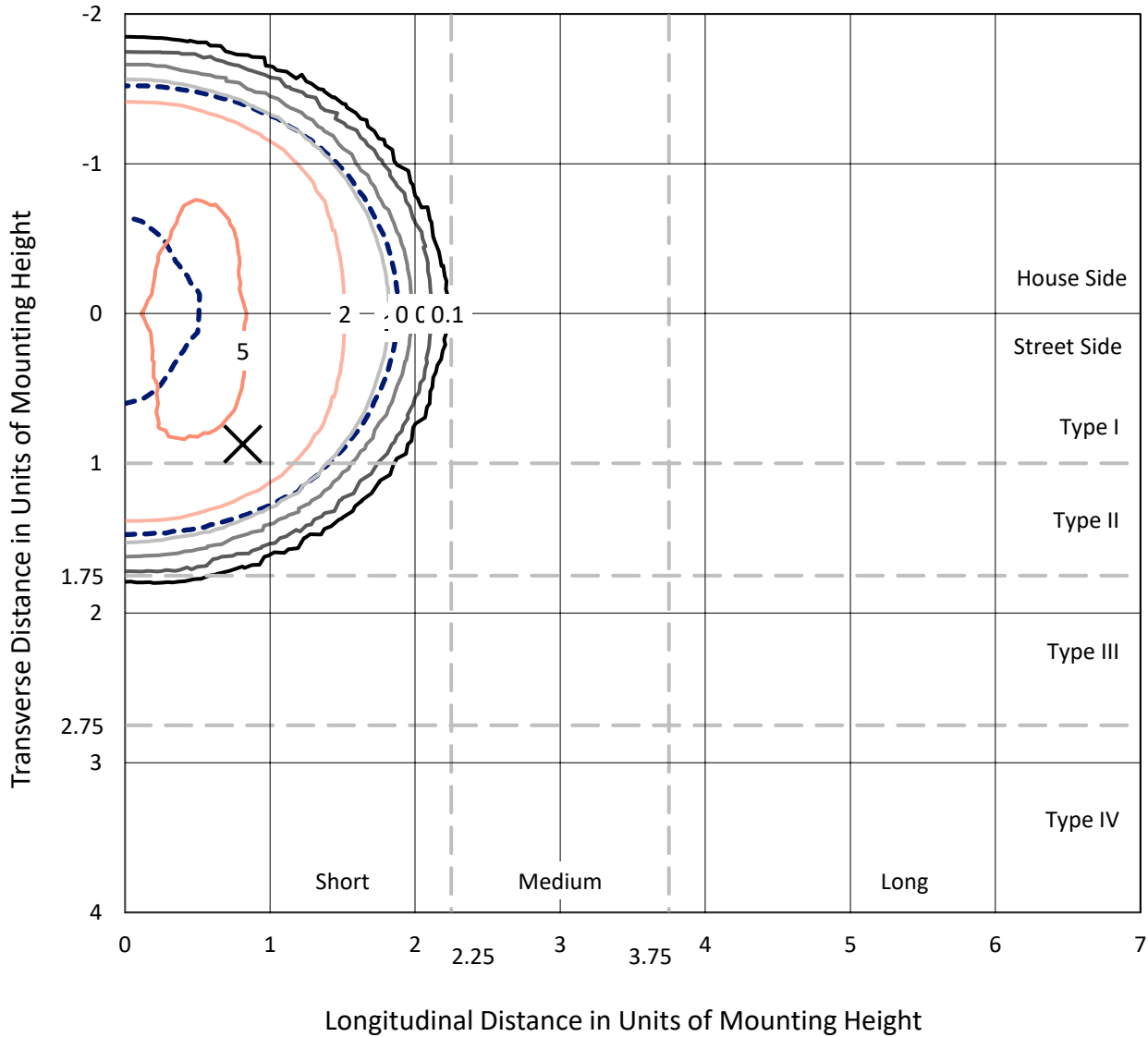
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

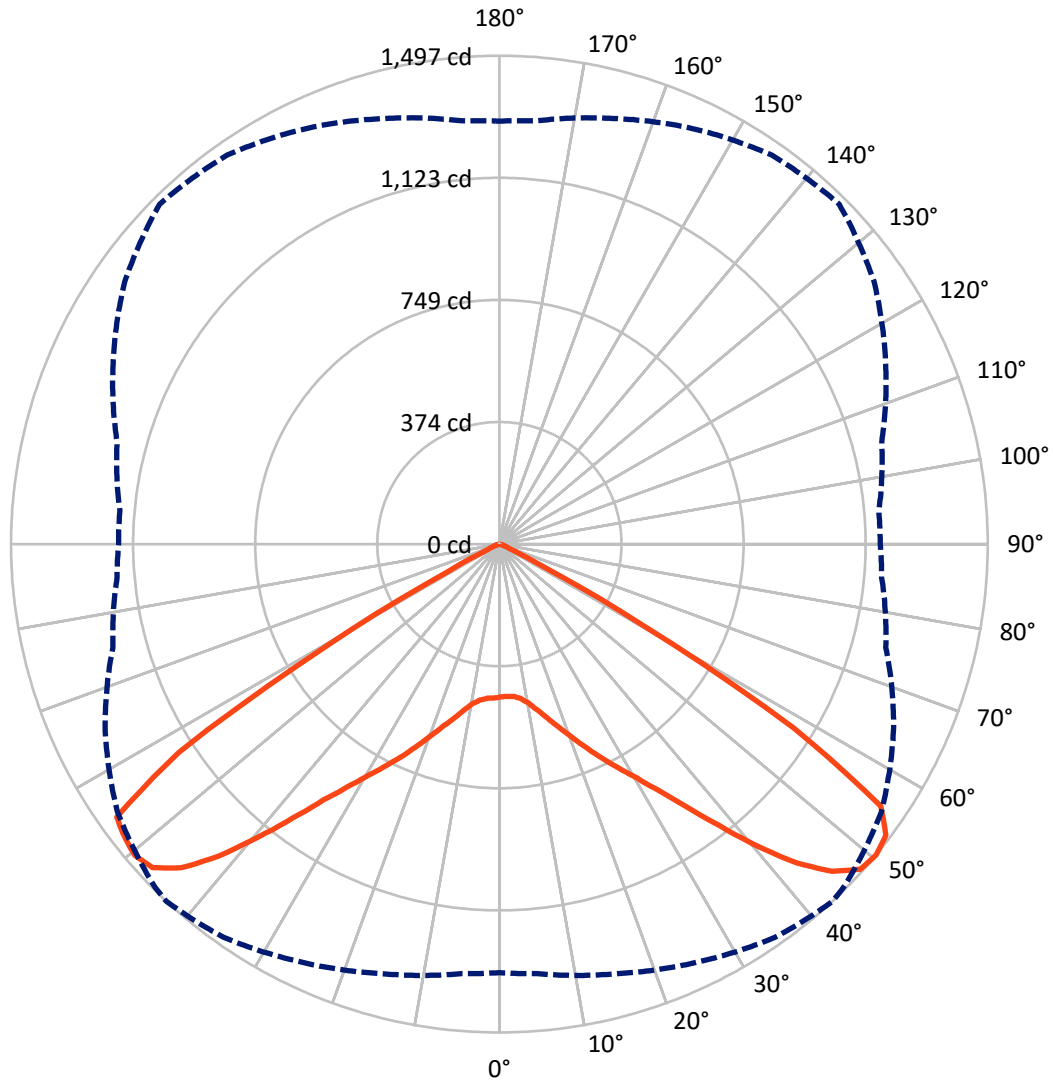
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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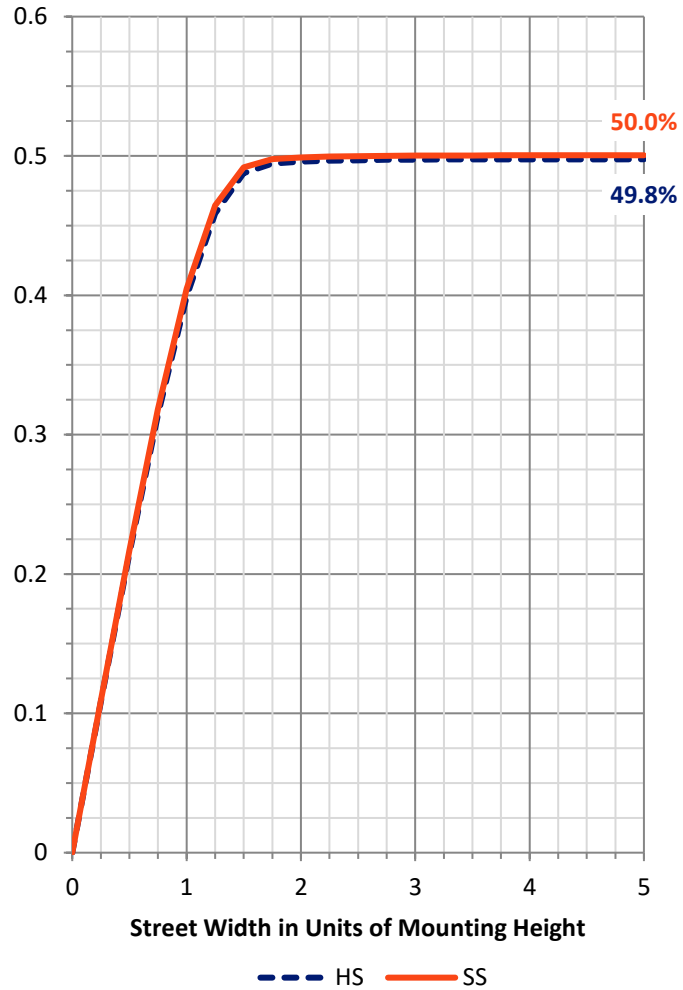
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1647.3	0.0	1647.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1647.4	0.0	1647.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	3294.7	0.0	3294.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.1	1.4
10°-20°	158.8	4.8
20°-30°	321.3	9.8
30°-40°	596.1	18.1
40°-50°	989.5	30.0
50°-60°	1009.8	30.7
60°-70°	165.6	5.0
70°-80°	7.3	0.2
80°-90°	0.1	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°	3294.7	100.0
0°-180°	3294.7	100.0

Coefficient of Utilization



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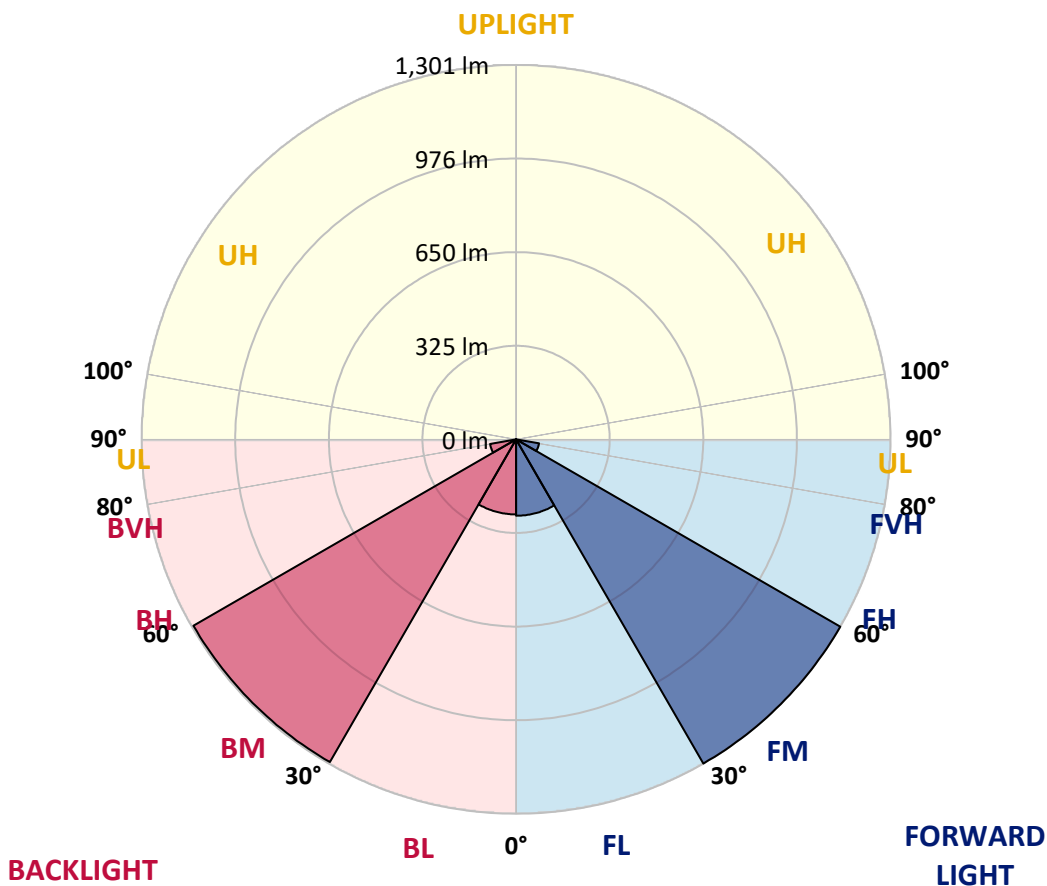
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	265.4	8.1			
FM (30°-60°)	1300.9	39.5			
FH (60°-80°)	81.0	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	260.8	7.9	B1/500		
BM (30°-60°)	1294.6	39.3	B2/2500		
BH (60°-80°)	91.8	2.8	B0/110		G0/660
BVH (80°-90°)	0.1	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-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6
2.5°	459.9	461.0	462.4	463.9	465.7	467.5	468.6	471.9	471.2	474.1	474.1
5°	454.8	455.9	457.7	461.0	465.0	469.0	471.9	478.5	482.1	487.9	490.1
7.5°	457.3	458.8	461.0	466.1	472.3	478.5	481.7	492.3	499.6	510.5	516.7
10°	465.7	467.2	470.8	479.6	487.6	496.3	500.3	513.8	525.5	540.4	549.2
12.5°	475.2	477.0	484.3	497.4	511.3	522.9	528.4	543.3	555.3	572.1	586.0
15°	485.0	487.9	499.2	518.5	538.2	553.9	559.7	575.8	587.8	605.6	621.3
17.5°	508.0	511.3	524.0	544.8	571.7	590.0	595.1	611.8	620.9	633.0	649.4
20°	536.8	543.0	558.6	583.8	613.3	630.8	634.4	650.8	650.1	655.2	669.4
22.5°	572.5	576.8	594.0	623.9	657.0	676.3	684.7	691.6	682.5	678.1	687.3
25°	609.6	614.7	633.3	666.1	703.3	725.5	732.4	737.9	723.3	706.9	708.0
27.5°	657.7	661.4	679.6	714.6	751.8	776.9	783.1	792.6	773.3	747.0	739.7
30°	715.0	718.6	737.9	774.7	811.5	833.0	842.5	854.2	833.0	800.2	791.8
32.5°	782.0	785.6	810.4	848.3	878.6	901.9	911.0	923.4	906.6	869.8	860.3
35°	862.2	864.4	893.5	934.7	966.8	989.3	995.5	1010.1	991.5	954.7	949.6
37.5°	955.1	957.6	989.3	1037.1	1069.9	1095.0	1104.9	1108.9	1086.3	1045.1	1041.1
40°	1057.1	1065.5	1096.5	1147.9	1184.7	1216.4	1225.1	1211.6	1179.9	1123.8	1116.5
42.5°	1163.5	1170.8	1205.4	1261.2	1303.8	1336.3	1336.6	1307.5	1253.5	1175.9	1165.0
45°	1252.1	1255.0	1299.8	1355.9	1408.4	1431.4	1433.6	1380.7	1299.5	1206.2	1182.8
47.5°	1312.9	1317.7	1356.7	1410.6	1468.5	1489.3	1484.9	1419.0	1321.3	1225.8	1187.2
50°	1313.7	1321.7	1364.0	1416.1	1472.2	1497.3	1491.1	1429.9	1333.7	1226.6	1176.6
52.5°	1197.4	1210.5	1279.4	1354.8	1440.8	1483.8	1485.3	1444.1	1329.0	1214.9	1167.2
55°	903.3	917.6	1004.3	1132.9	1299.1	1419.0	1439.7	1427.4	1323.5	1220.0	1183.9
57.5°	478.1	467.2	515.3	642.8	851.6	1063.7	1124.5	1223.7	1262.6	1226.2	1214.9
60°	104.2	111.1	147.9	199.3	332.3	500.3	559.7	729.5	931.4	1021.1	1085.9
62.5°	44.8	44.1	45.9	52.1	76.2	126.8	154.9	252.9	399.0	548.1	649.0
65°	36.8	37.2	38.6	38.6	36.1	36.4	38.3	57.9	93.3	130.8	175.6
67.5°	27.7	28.1	30.6	31.3	29.5	26.2	25.9	21.9	23.0	28.8	29.9
70°	17.5	17.5	18.9	19.7	19.7	18.2	17.9	15.7	15.3	17.5	19.7
72.5°	9.5	9.5	10.2	10.6	10.2	9.8	9.8	9.5	9.1	10.6	13.5
75°	4.0	4.0	4.4	4.4	4.0	4.0	4.0	4.0	4.0	4.7	7.3
77.5°	0.7	1.1	1.5	1.1	0.7	0.7	0.7	1.1	1.1	1.5	2.2
80°	0.4	0.4	0.7	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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°	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6
2.5°	476.6	472.6	474.1	474.8	473.7	473.0	469.0	467.9	466.1	463.2	462.4
5°	492.7	489.4	489.0	486.8	481.7	475.5	467.9	464.6	461.0	457.3	456.6
7.5°	519.6	515.6	513.1	505.8	494.1	484.3	471.5	464.6	459.9	455.1	454.0
10°	554.3	549.5	542.2	528.7	513.1	498.9	483.9	474.8	467.5	461.0	460.6
12.5°	591.1	586.0	572.8	555.7	536.8	523.6	504.7	491.9	481.0	471.2	470.1
15°	629.7	623.5	605.6	585.2	567.7	554.3	533.5	513.1	496.3	482.1	480.6
17.5°	659.2	651.5	630.4	615.1	600.9	587.0	563.7	536.8	514.5	497.4	493.4
20°	677.8	670.5	650.5	642.1	635.5	625.7	598.0	569.9	545.1	524.0	520.4
22.5°	695.6	686.9	669.4	669.4	674.5	670.5	640.6	608.5	579.4	555.0	549.5
25°	715.7	708.8	696.4	706.6	719.3	719.0	688.4	648.3	614.7	587.4	581.9
27.5°	744.8	737.9	733.5	752.9	768.9	767.8	734.3	690.9	655.6	628.6	623.5
30°	796.2	789.7	784.9	808.2	828.6	821.0	784.2	742.3	706.6	676.0	672.3
32.5°	864.7	857.8	851.6	874.9	893.1	883.3	848.3	809.0	767.8	737.9	730.6
35°	954.7	940.2	934.0	961.7	969.3	958.4	924.8	890.2	846.5	812.2	807.5
37.5°	1047.7	1030.5	1026.2	1050.2	1062.6	1058.6	1019.2	983.2	935.8	897.9	892.4
40°	1127.1	1111.4	1103.8	1141.3	1169.4	1171.9	1136.6	1092.5	1036.7	997.4	987.5
42.5°	1173.7	1160.3	1158.4	1216.7	1262.6	1295.4	1253.2	1207.6	1149.0	1104.5	1096.5
45°	1184.3	1175.6	1190.9	1267.4	1338.8	1398.6	1362.5	1314.4	1251.0	1204.0	1196.3
47.5°	1183.2	1180.3	1207.6	1293.6	1384.0	1457.6	1439.7	1385.5	1324.2	1275.0	1267.7
50°	1167.5	1167.9	1213.5	1306.7	1402.2	1473.6	1455.8	1405.5	1350.8	1302.4	1296.5
52.5°	1161.3	1159.2	1202.5	1302.7	1420.8	1466.3	1426.3	1369.8	1308.9	1249.2	1240.4
55°	1183.2	1177.7	1204.0	1299.5	1423.0	1462.3	1356.7	1234.2	1109.6	1038.9	1033.1
57.5°	1216.0	1210.2	1222.6	1275.4	1308.9	1216.0	998.5	801.0	672.7	618.4	594.7
60°	1085.9	1081.9	1072.4	1008.7	865.1	652.6	444.6	283.5	203.7	164.7	164.7
62.5°	673.8	668.3	616.9	458.4	333.1	192.8	106.0	66.3	50.3	47.0	46.6
65°	189.1	188.0	155.6	110.0	70.0	43.4	38.3	39.0	38.3	37.2	36.8
67.5°	28.4	31.3	31.3	25.5	24.4	27.3	32.1	34.3	32.4	30.6	29.9
70°	18.2	19.7	18.9	16.4	17.5	20.4	23.0	23.3	22.2	20.4	20.0
72.5°	12.8	14.2	11.7	10.6	10.9	12.0	13.1	13.1	12.8	12.0	11.3
75°	7.7	7.7	5.5	5.1	5.1	5.5	5.5	6.2	6.2	5.8	5.5
77.5°	2.6	2.9	1.8	1.5	1.5	1.5	1.8	2.2	2.2	1.8	1.5
80°	0.4	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.4
82.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
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)