

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: P630546

Luminaire Tested: GWS-SA1D-830-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630546
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-SA1D-830-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3122 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

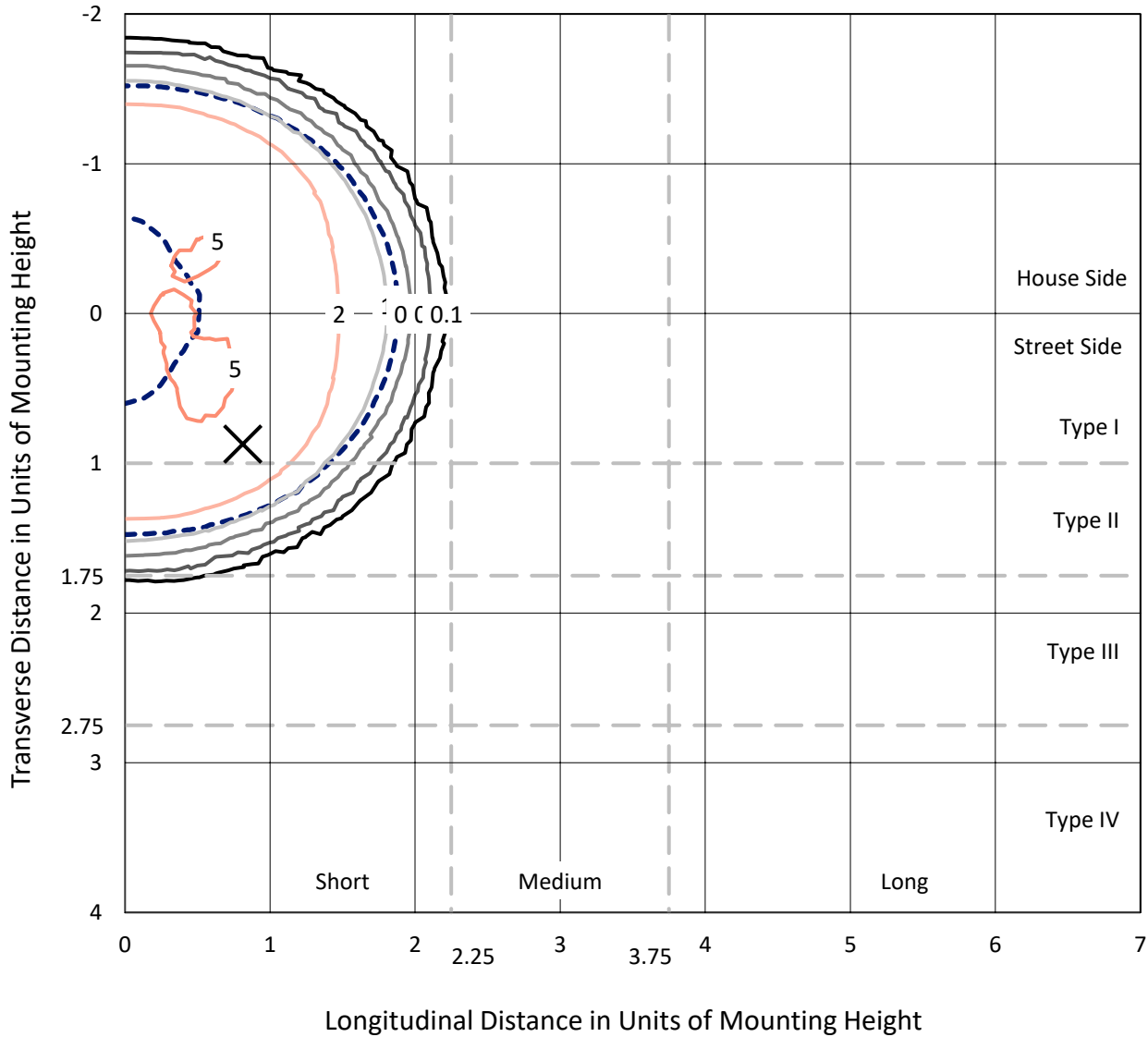
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630546
 CATALOG NUMBER: GWS-SA1D-830-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

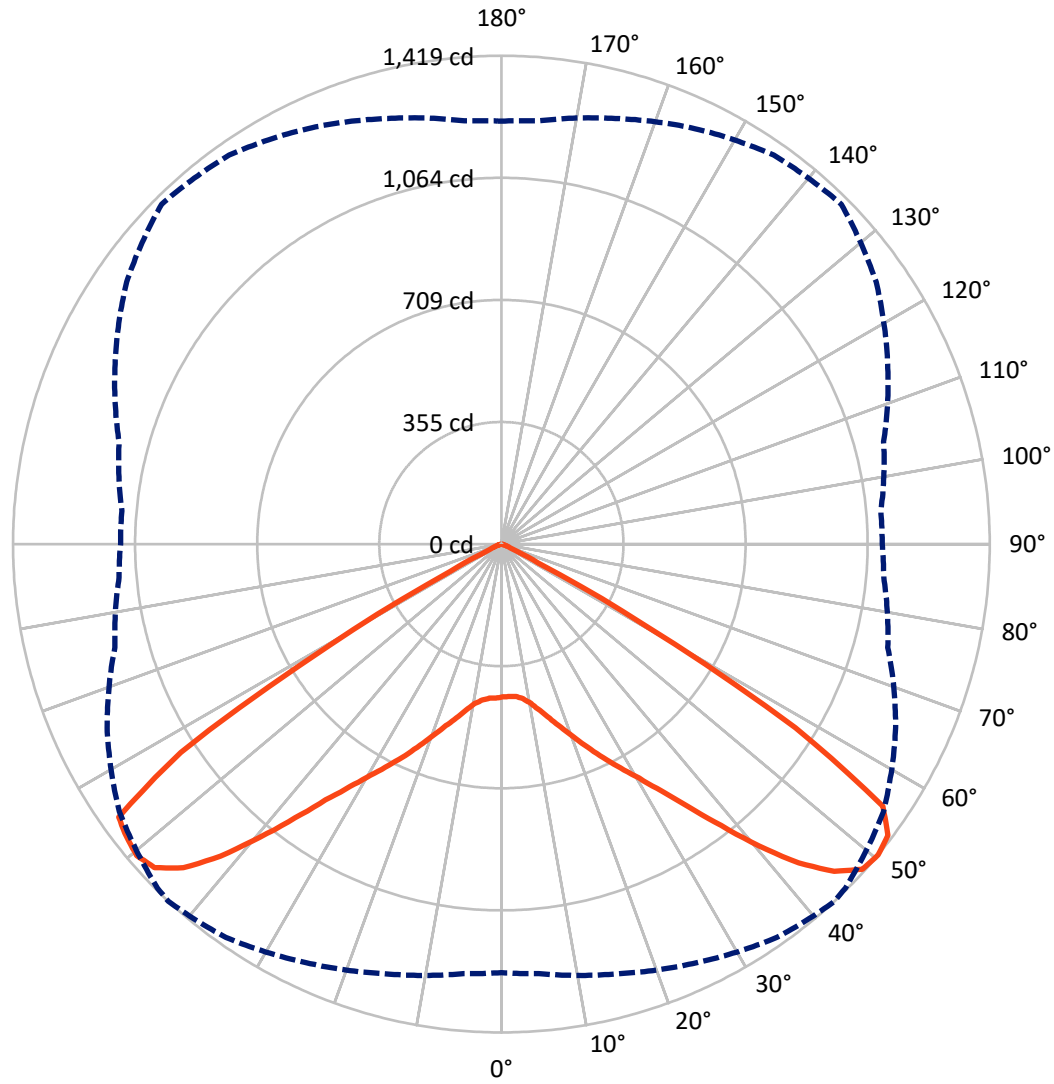
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 fc
 Type V - Short - N/A

REPORT NUMBER: P630546
CATALOG NUMBER: GWS-SA1D-830-U-RW-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P630546
 CATALOG NUMBER: GWS-SA1D-830-U-RW-W-GRSBK

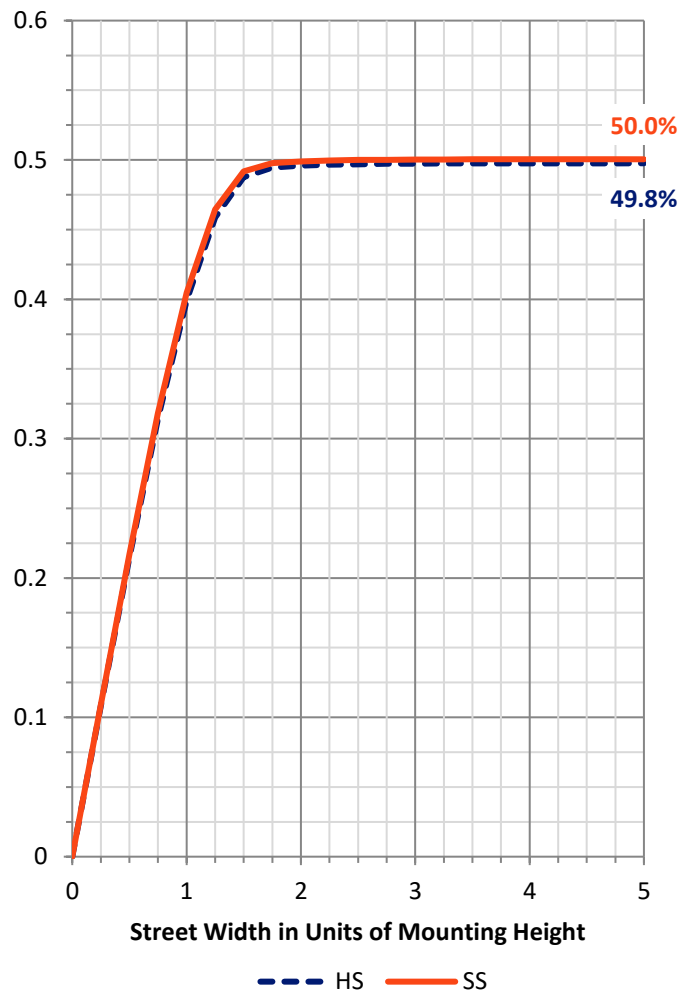
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1561.0	0.0	1561.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1561.0	0.0	1561.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3122.0	0.0	3122.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.7	1.4
10°-20°	150.5	4.8
20°-30°	304.5	9.8
30°-40°	564.9	18.1
40°-50°	937.7	30.0
50°-60°	956.9	30.7
60°-70°	156.9	5.0
70°-80°	6.9	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°	3122.0	100.0
0°-180°	3122.0	100.0

Coefficient of Utilization



REPORT NUMBER: P630546

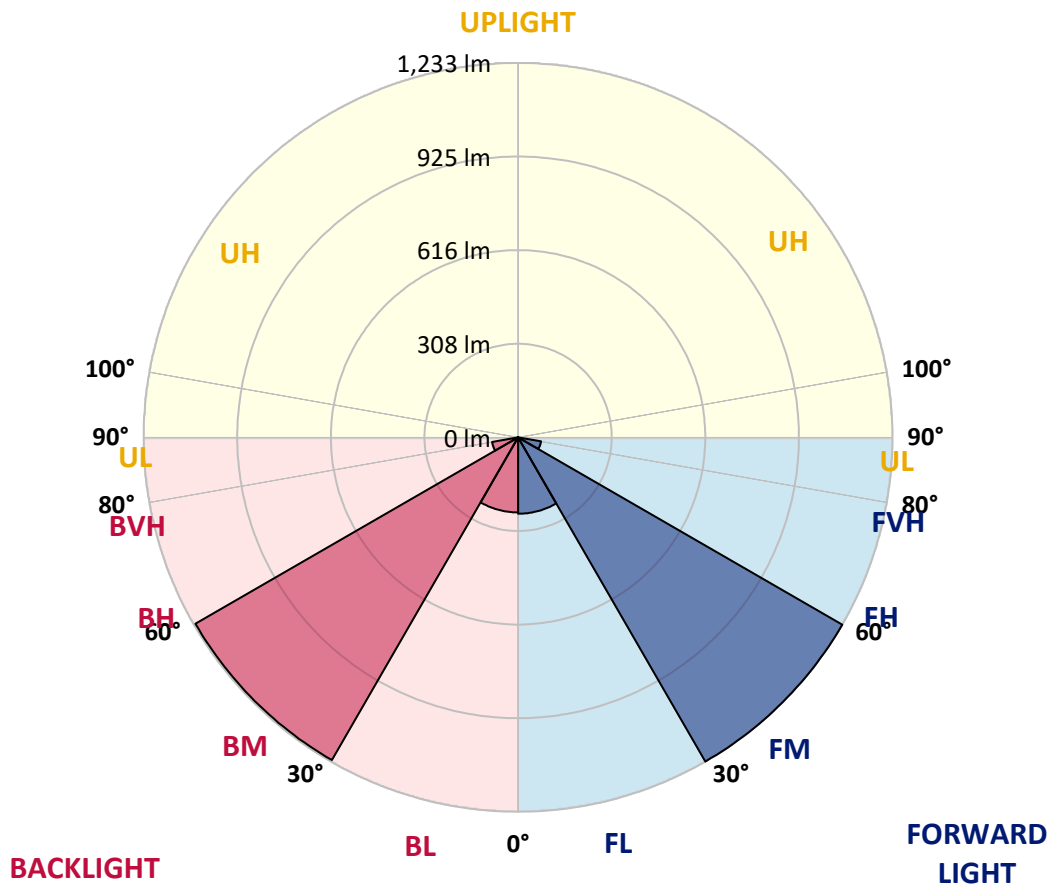
CATALOG NUMBER: GWS-SA1D-830-U-RW-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	251.5	8.1			
FM (30°-60°)	1232.7	39.5			
FH (60°-80°)	76.8	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	247.2	7.9	B1/500		
BM (30°-60°)	1226.7	39.3	B2/2500		
BH (60°-80°)	87.0	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





REPORT NUMBER: P630546

CATALOG NUMBER: GWS-SA1D-830-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	444.1	444.1	444.1	444.1	444.1	444.1	444.1	444.1	444.1	444.1	444.1
2.5°	435.8	436.8	438.2	439.6	441.3	443.0	444.1	447.2	446.5	449.2	449.2
5°	430.9	432.0	433.7	436.8	440.6	444.4	447.2	453.4	456.8	462.4	464.4
7.5°	433.4	434.7	436.8	441.6	447.5	453.4	456.5	466.5	473.4	483.8	489.6
10°	441.3	442.7	446.1	454.4	462.0	470.3	474.1	486.9	497.9	512.1	520.4
12.5°	450.3	452.0	458.9	471.3	484.5	495.5	500.7	514.8	526.2	542.1	555.2
15°	459.6	462.4	473.1	491.4	510.0	524.9	530.4	545.6	557.0	573.9	588.7
17.5°	481.3	484.5	496.5	516.2	541.8	559.0	563.9	579.8	588.4	599.8	615.3
20°	508.6	514.5	529.3	553.2	581.1	597.7	601.2	616.7	616.0	620.8	634.3
22.5°	542.5	546.6	562.8	591.2	622.6	640.9	648.8	655.4	646.7	642.6	651.2
25°	577.7	582.5	600.1	631.2	666.4	687.5	694.1	699.2	685.4	669.9	670.9
27.5°	623.3	626.7	644.0	677.1	712.4	736.2	742.0	751.0	732.7	707.9	701.0
30°	677.5	680.9	699.2	734.1	769.0	789.4	798.3	809.4	789.4	758.3	750.3
32.5°	741.0	744.5	767.9	803.9	832.5	854.6	863.2	875.0	859.1	824.2	815.3
35°	817.0	819.1	846.7	885.7	916.1	937.5	943.4	957.2	939.6	904.7	899.9
37.5°	905.0	907.4	937.5	982.7	1013.8	1037.6	1046.9	1050.7	1029.3	990.3	986.5
40°	1001.7	1009.7	1039.0	1087.7	1122.6	1152.6	1160.9	1148.1	1118.1	1064.9	1058.0
42.5°	1102.5	1109.4	1142.3	1195.1	1235.5	1266.2	1266.6	1238.9	1187.8	1114.3	1103.9
45°	1186.4	1189.2	1231.7	1284.9	1334.6	1356.3	1358.4	1308.3	1231.3	1142.9	1120.8
47.5°	1244.1	1248.6	1285.5	1336.7	1391.6	1411.2	1407.1	1344.6	1252.1	1161.6	1125.0
50°	1244.8	1252.4	1292.5	1341.8	1395.0	1418.8	1413.0	1355.0	1263.8	1162.3	1115.0
52.5°	1134.7	1147.1	1212.3	1283.8	1365.3	1406.1	1407.4	1368.4	1259.3	1151.2	1106.0
55°	856.0	869.5	951.6	1073.5	1231.0	1344.6	1364.3	1352.5	1254.1	1156.1	1121.9
57.5°	453.0	442.7	488.3	609.1	807.0	1007.9	1065.6	1159.5	1196.5	1161.9	1151.2
60°	98.8	105.3	140.2	188.9	314.9	474.1	530.4	691.3	882.6	967.5	1029.0
62.5°	42.5	41.8	43.5	49.4	72.2	120.2	146.8	239.6	378.1	519.3	615.0
65°	34.9	35.2	36.6	36.6	34.2	34.5	36.3	54.9	88.4	124.0	166.4
67.5°	26.2	26.6	29.0	29.7	28.0	24.9	24.5	20.7	21.8	27.3	28.3
70°	16.6	16.6	18.0	18.6	18.6	17.3	16.9	14.8	14.5	16.6	18.6
72.5°	9.0	9.0	9.7	10.0	9.7	9.3	9.3	9.0	8.6	10.0	12.8
75°	3.8	3.8	4.1	4.1	3.8	3.8	3.8	3.8	3.8	4.5	6.9
77.5°	0.7	1.0	1.4	1.0	0.7	0.7	0.7	1.0	1.0	1.4	2.1
80°	0.3	0.3	0.7	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3
82.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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: P630546

CATALOG NUMBER: GWS-SA1D-830-U-RW-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	444.1	444.1	444.1	444.1	444.1	444.1	444.1	444.1	444.1	444.1	444.1
2.5°	451.7	447.9	449.2	449.9	448.9	448.2	444.4	443.4	441.6	438.9	438.2
5°	466.8	463.7	463.4	461.3	456.5	450.6	443.4	440.3	436.8	433.4	432.7
7.5°	492.4	488.6	486.2	479.3	468.2	458.9	446.8	440.3	435.8	431.3	430.2
10°	525.2	520.7	513.8	501.0	486.2	472.7	458.6	449.9	443.0	436.8	436.5
12.5°	560.1	555.2	542.8	526.6	508.6	496.2	478.2	466.2	455.8	446.5	445.4
15°	596.7	590.8	573.9	554.6	538.0	525.2	505.5	486.2	470.3	456.8	455.5
17.5°	624.6	617.4	597.4	582.9	569.4	556.3	534.2	508.6	487.6	471.3	467.5
20°	642.3	635.4	616.4	608.4	602.2	592.9	566.6	540.0	516.6	496.5	493.1
22.5°	659.2	650.9	634.3	634.3	639.1	635.4	607.0	576.7	549.0	525.9	520.7
25°	678.2	671.6	659.9	669.5	681.6	681.3	652.3	614.3	582.5	556.6	551.4
27.5°	705.8	699.2	695.1	713.4	728.6	727.5	695.8	654.7	621.2	595.6	590.8
30°	754.5	748.3	743.8	765.9	785.2	778.0	743.1	703.4	669.5	640.5	637.1
32.5°	819.4	812.8	807.0	829.1	846.3	837.0	803.9	766.6	727.5	699.2	692.3
35°	904.7	890.9	885.0	911.2	918.5	908.1	876.4	843.6	802.1	769.7	765.2
37.5°	992.7	976.5	972.4	995.2	1006.9	1003.1	965.8	931.6	886.7	850.8	845.6
40°	1068.0	1053.2	1045.9	1081.5	1108.1	1110.5	1077.0	1035.2	982.4	945.1	935.8
42.5°	1112.2	1099.4	1097.7	1153.0	1196.5	1227.5	1187.5	1144.3	1088.7	1046.6	1039.0
45°	1122.2	1113.9	1128.4	1201.0	1268.6	1325.3	1291.1	1245.5	1185.4	1140.9	1133.6
47.5°	1121.2	1118.4	1144.3	1225.8	1311.4	1381.2	1364.3	1312.8	1254.8	1208.2	1201.3
50°	1106.3	1106.7	1149.8	1238.2	1328.7	1396.4	1379.5	1331.8	1280.0	1234.1	1228.6
52.5°	1100.5	1098.4	1139.5	1234.4	1346.3	1389.5	1351.5	1298.0	1240.3	1183.7	1175.4
55°	1121.2	1116.0	1140.9	1231.3	1348.4	1385.7	1285.5	1169.5	1051.4	984.4	978.9
57.5°	1152.3	1146.7	1158.5	1208.5	1240.3	1152.3	946.1	759.0	637.4	586.0	563.5
60°	1029.0	1025.2	1016.2	955.8	819.7	618.4	421.3	268.6	193.0	156.1	156.1
62.5°	638.5	633.3	584.6	434.4	315.6	182.7	100.5	62.8	47.7	44.5	44.2
65°	179.2	178.2	147.4	104.3	66.3	41.1	36.3	36.9	36.3	35.2	34.9
67.5°	26.9	29.7	29.7	24.2	23.1	25.9	30.4	32.5	30.7	29.0	28.3
70°	17.3	18.6	18.0	15.5	16.6	19.3	21.8	22.1	21.1	19.3	19.0
72.5°	12.1	13.5	11.0	10.0	10.4	11.4	12.4	12.4	12.1	11.4	10.7
75°	7.3	7.3	5.2	4.8	4.8	5.2	5.2	5.9	5.9	5.5	5.2
77.5°	2.4	2.8	1.7	1.4	1.4	1.4	1.7	2.1	2.1	1.7	1.4
80°	0.3	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.3
82.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
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)