

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: P630106

Luminaire Tested: GWS-SA1D-722-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630106
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-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2894.9 lumens
Efficiency: N/A
Efficacy: 65.3 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

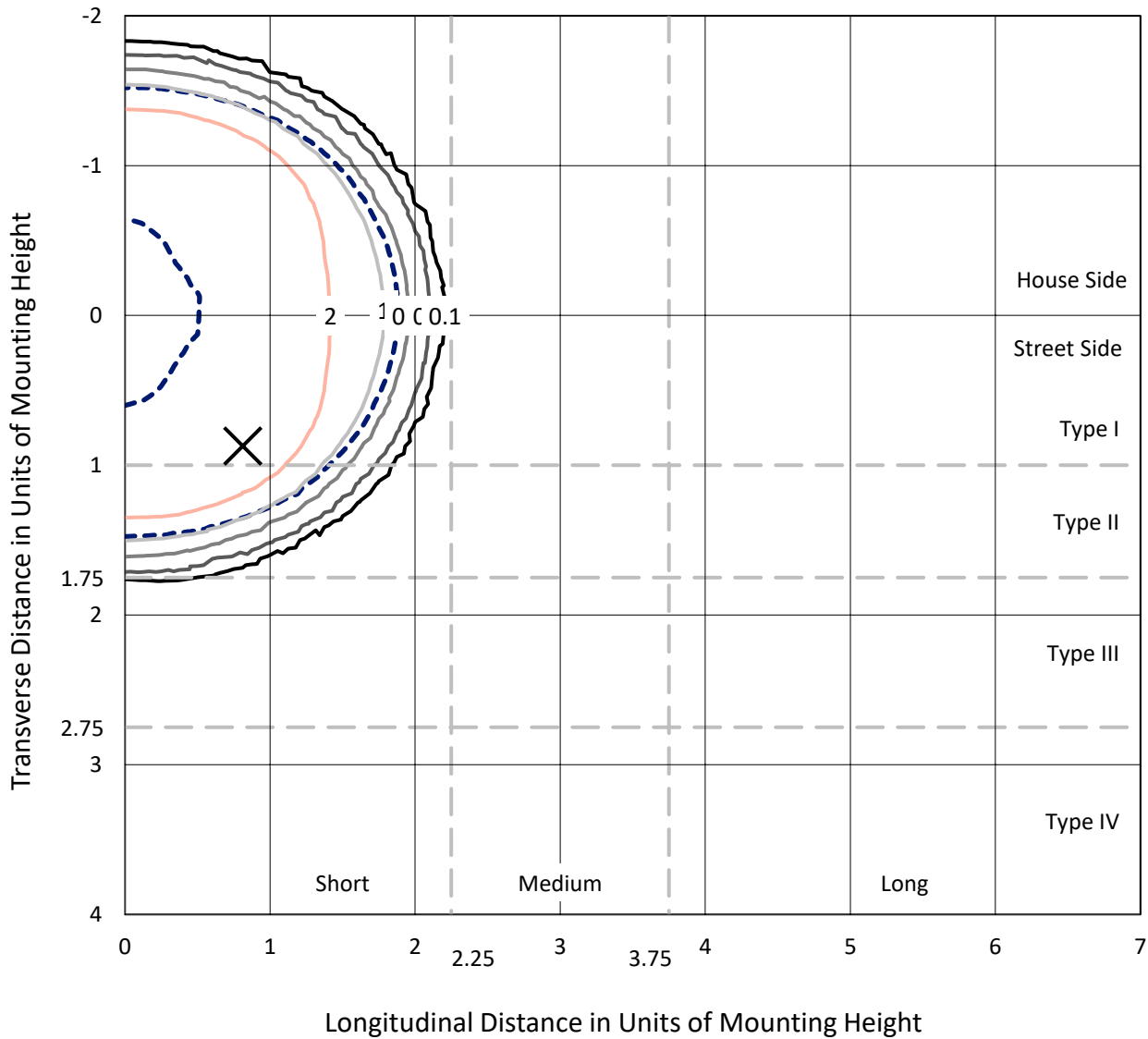
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

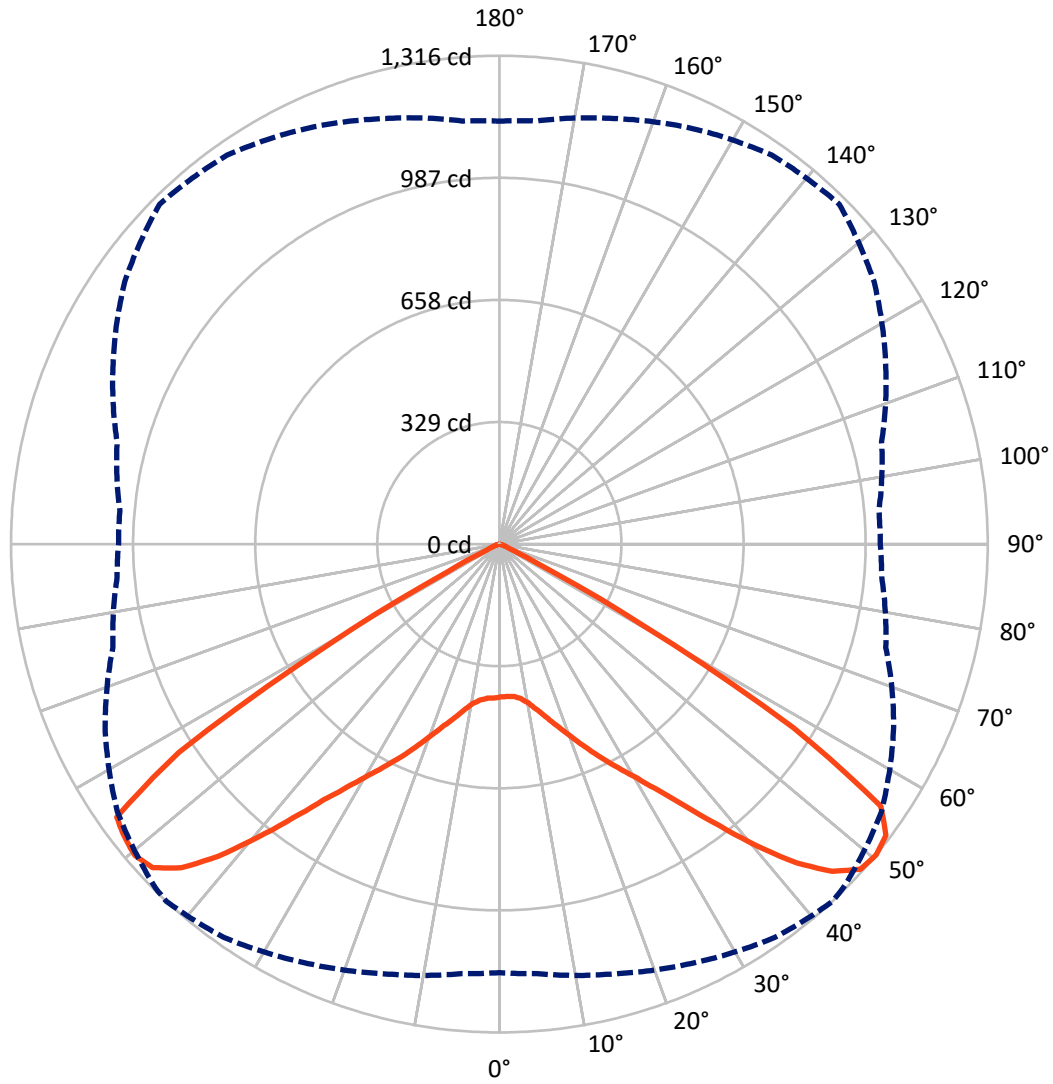
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.9 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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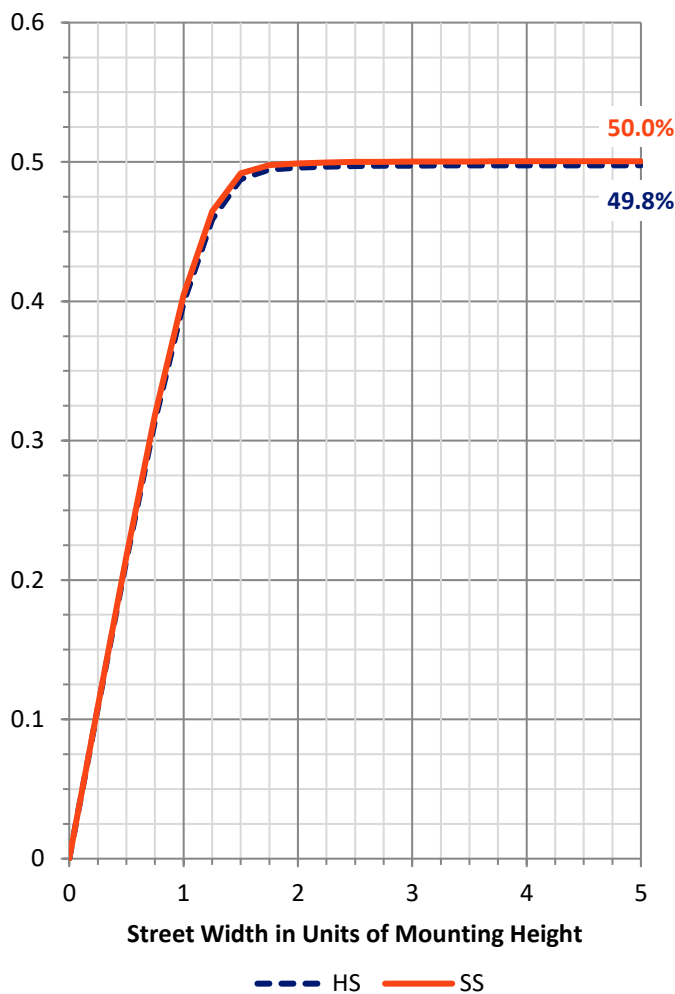
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1447.4	0.0	1447.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1447.5	0.0	1447.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2894.9	0.0	2894.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.5	1.4
10°-20°	139.5	4.8
20°-30°	282.3	9.8
30°-40°	523.8	18.1
40°-50°	869.4	30.0
50°-60°	887.3	30.7
60°-70°	145.5	5.0
70°-80°	6.4	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°	2894.9	100.0
0°-180°	2894.9	100.0

Coefficient of Utilization



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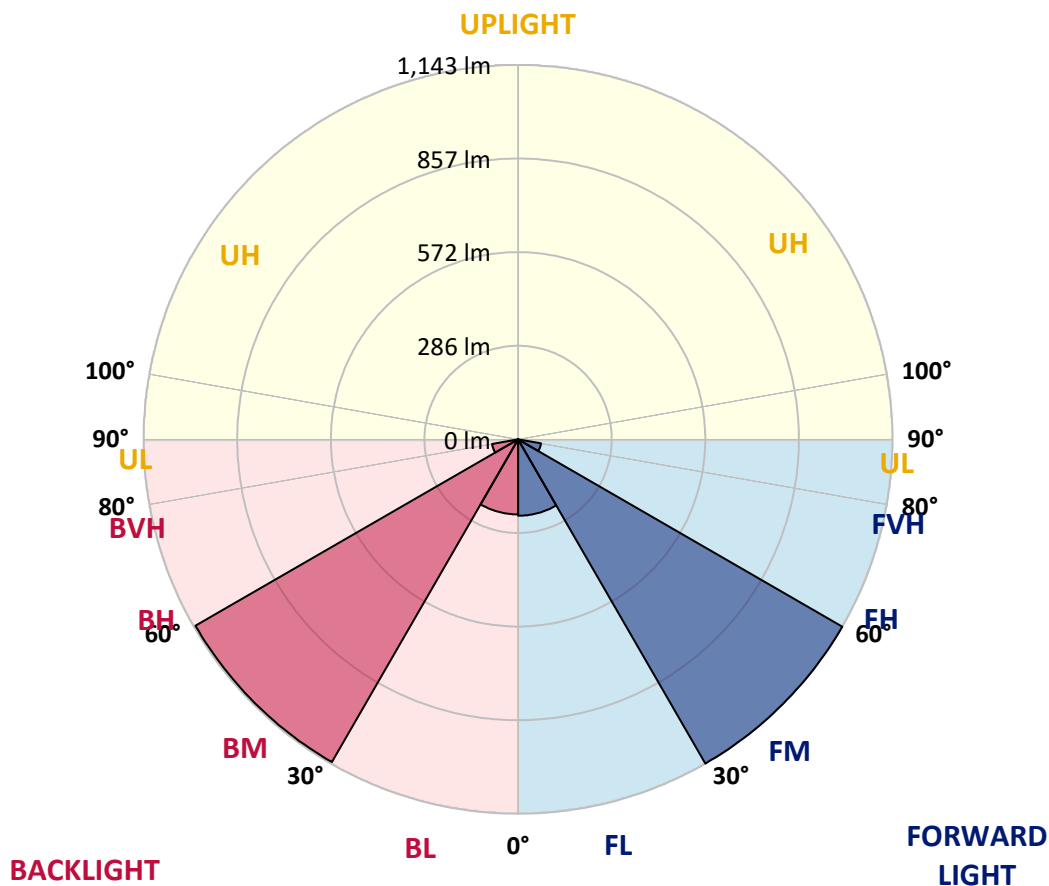
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	233.2	8.1			
FM (30°-60°)	1143.0	39.5			
FH (60°-80°)	71.2	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	229.2	7.9	B1/500		
BM (30°-60°)	1137.5	39.3	B2/2500		
BH (60°-80°)	80.7	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°	411.8	411.8	411.8	411.8	411.8	411.8	411.8	411.8	411.8	411.8	411.8
2.5°	404.1	405.0	406.3	407.6	409.2	410.8	411.8	414.6	414.0	416.6	416.6
5°	399.6	400.5	402.1	405.0	408.6	412.1	414.6	420.4	423.6	428.7	430.6
7.5°	401.8	403.1	405.0	409.5	415.0	420.4	423.3	432.6	439.0	448.6	454.0
10°	409.2	410.5	413.7	421.4	428.4	436.1	439.6	451.5	461.7	474.8	482.5
12.5°	417.5	419.1	425.5	437.0	449.2	459.5	464.3	477.4	488.0	502.7	514.9
15°	426.2	428.7	438.6	455.6	472.9	486.7	491.8	505.9	516.5	532.1	545.9
17.5°	446.3	449.2	460.4	478.7	502.4	518.4	522.9	537.6	545.6	556.2	570.6
20°	471.6	477.1	490.8	512.9	538.9	554.2	557.4	571.8	571.2	575.7	588.2
22.5°	503.0	506.8	521.9	548.2	577.3	594.3	601.6	607.7	599.7	595.9	603.9
25°	535.7	540.1	556.5	585.3	618.0	637.5	643.6	648.4	635.6	621.2	622.1
27.5°	577.9	581.1	597.1	627.9	660.5	682.6	688.1	696.4	679.4	656.4	650.0
30°	628.2	631.4	648.4	680.7	713.0	731.9	740.3	750.5	731.9	703.1	695.8
32.5°	687.1	690.3	712.1	745.4	772.0	792.4	800.5	811.3	796.6	764.3	755.9
35°	757.6	759.5	785.1	821.3	849.4	869.3	874.7	887.5	871.2	838.9	834.4
37.5°	839.2	841.4	869.3	911.2	940.1	962.1	970.8	974.3	954.5	918.3	914.8
40°	928.8	936.2	963.4	1008.6	1040.9	1068.8	1076.5	1064.6	1036.7	987.4	981.0
42.5°	1022.3	1028.7	1059.2	1108.1	1145.6	1174.1	1174.4	1148.8	1101.4	1033.2	1023.6
45°	1100.1	1102.7	1142.1	1191.4	1237.5	1257.7	1259.6	1213.2	1141.8	1059.8	1039.3
47.5°	1153.6	1157.8	1192.0	1239.4	1290.3	1308.6	1304.7	1246.8	1161.0	1077.1	1043.2
50°	1154.3	1161.3	1198.4	1244.2	1293.5	1315.6	1310.2	1256.4	1171.9	1077.7	1033.9
52.5°	1052.1	1063.6	1124.2	1190.4	1266.0	1303.8	1305.1	1268.9	1167.7	1067.5	1025.5
55°	793.7	806.2	882.4	995.4	1141.4	1246.8	1265.0	1254.2	1162.9	1072.0	1040.3
57.5°	420.1	410.5	452.7	564.8	748.3	934.6	988.1	1075.2	1109.4	1077.4	1067.5
60°	91.6	97.7	130.0	175.1	292.0	439.6	491.8	641.0	818.4	897.1	954.1
62.5°	39.4	38.7	40.3	45.8	66.9	111.4	136.1	222.2	350.6	481.6	570.2
65°	32.3	32.7	33.9	33.9	31.7	32.0	33.6	50.9	82.0	114.9	154.3
67.5°	24.3	24.7	26.9	27.5	25.9	23.1	22.7	19.2	20.2	25.3	26.3
70°	15.4	15.4	16.6	17.3	17.3	16.0	15.7	13.8	13.4	15.4	17.3
72.5°	8.3	8.3	9.0	9.3	9.0	8.6	8.6	8.3	8.0	9.3	11.8
75°	3.5	3.5	3.8	3.8	3.5	3.5	3.5	3.5	3.5	4.2	6.4
77.5°	0.6	1.0	1.3	1.0	0.6	0.6	0.6	1.0	1.0	1.3	1.9
80°	0.3	0.3	0.6	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	411.8	411.8	411.8	411.8	411.8	411.8	411.8	411.8	411.8	411.8	411.8
2.5°	418.8	415.3	416.6	417.2	416.2	415.6	412.1	411.1	409.5	407.0	406.3
5°	432.9	430.0	429.7	427.8	423.3	417.8	411.1	408.2	405.0	401.8	401.2
7.5°	456.6	453.1	450.8	444.4	434.2	425.5	414.3	408.2	404.1	399.9	398.9
10°	487.0	482.8	476.4	464.6	450.8	438.3	425.2	417.2	410.8	405.0	404.7
12.5°	519.3	514.9	503.3	488.3	471.6	460.1	443.5	432.2	422.6	414.0	413.0
15°	553.3	547.8	532.1	514.2	498.8	487.0	468.7	450.8	436.1	423.6	422.3
17.5°	579.2	572.5	553.9	540.5	528.0	515.8	495.3	471.6	452.1	437.0	433.5
20°	595.5	589.1	571.5	564.2	558.4	549.8	525.4	500.8	479.0	460.4	457.2
22.5°	611.2	603.5	588.2	588.2	592.7	589.1	562.9	534.7	509.1	487.6	482.8
25°	628.8	622.8	611.9	620.8	632.0	631.7	604.8	569.6	540.1	516.1	511.3
27.5°	654.5	648.4	644.5	661.5	675.6	674.6	645.2	607.1	576.0	552.3	547.8
30°	699.6	693.8	689.7	710.2	728.1	721.4	689.0	652.2	620.8	593.9	590.7
32.5°	759.8	753.7	748.3	768.8	784.8	776.1	745.4	710.8	674.6	648.4	642.0
35°	838.9	826.1	820.6	845.0	851.7	842.1	812.6	782.2	743.8	713.7	709.5
37.5°	920.5	905.5	901.6	922.8	933.7	930.1	895.5	863.9	822.2	788.9	784.1
40°	990.3	976.6	969.8	1002.8	1027.5	1029.7	998.6	959.9	910.9	876.3	867.7
42.5°	1031.3	1019.5	1017.9	1069.1	1109.4	1138.2	1101.1	1061.1	1009.5	970.5	963.4
45°	1040.6	1032.9	1046.4	1113.6	1176.3	1228.9	1197.2	1154.9	1099.2	1057.9	1051.2
47.5°	1039.6	1037.1	1061.1	1136.6	1216.1	1280.7	1265.0	1217.3	1163.5	1120.3	1113.9
50°	1025.9	1026.2	1066.2	1148.2	1232.1	1294.8	1279.1	1234.9	1186.9	1144.3	1139.2
52.5°	1020.4	1018.5	1056.6	1144.6	1248.4	1288.4	1253.2	1203.6	1150.1	1097.6	1089.9
55°	1039.6	1034.8	1057.9	1141.8	1250.3	1284.9	1192.0	1084.5	975.0	912.8	907.7
57.5°	1068.4	1063.3	1074.2	1120.6	1150.1	1068.4	877.3	703.8	591.1	543.3	522.5
60°	954.1	950.6	942.3	886.3	760.1	573.4	390.6	249.1	179.0	144.7	144.7
62.5°	592.0	587.2	542.1	402.8	292.6	169.4	93.2	58.3	44.2	41.3	41.0
65°	166.2	165.2	136.7	96.7	61.5	38.1	33.6	34.3	33.6	32.7	32.3
67.5°	25.0	27.5	27.5	22.4	21.5	24.0	28.2	30.1	28.5	26.9	26.3
70°	16.0	17.3	16.6	14.4	15.4	17.9	20.2	20.5	19.5	17.9	17.6
72.5°	11.2	12.5	10.2	9.3	9.6	10.6	11.5	11.5	11.2	10.6	9.9
75°	6.7	6.7	4.8	4.5	4.5	4.8	4.8	5.4	5.4	5.1	4.8
77.5°	2.2	2.6	1.6	1.3	1.3	1.3	1.6	1.9	1.9	1.6	1.3
80°	0.3	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6	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)