

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: P629886

Luminaire Tested: GWS-SA1C-750-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629886
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-SA1C-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3186.6 lumens
Efficiency: N/A
Efficacy: 93.4 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

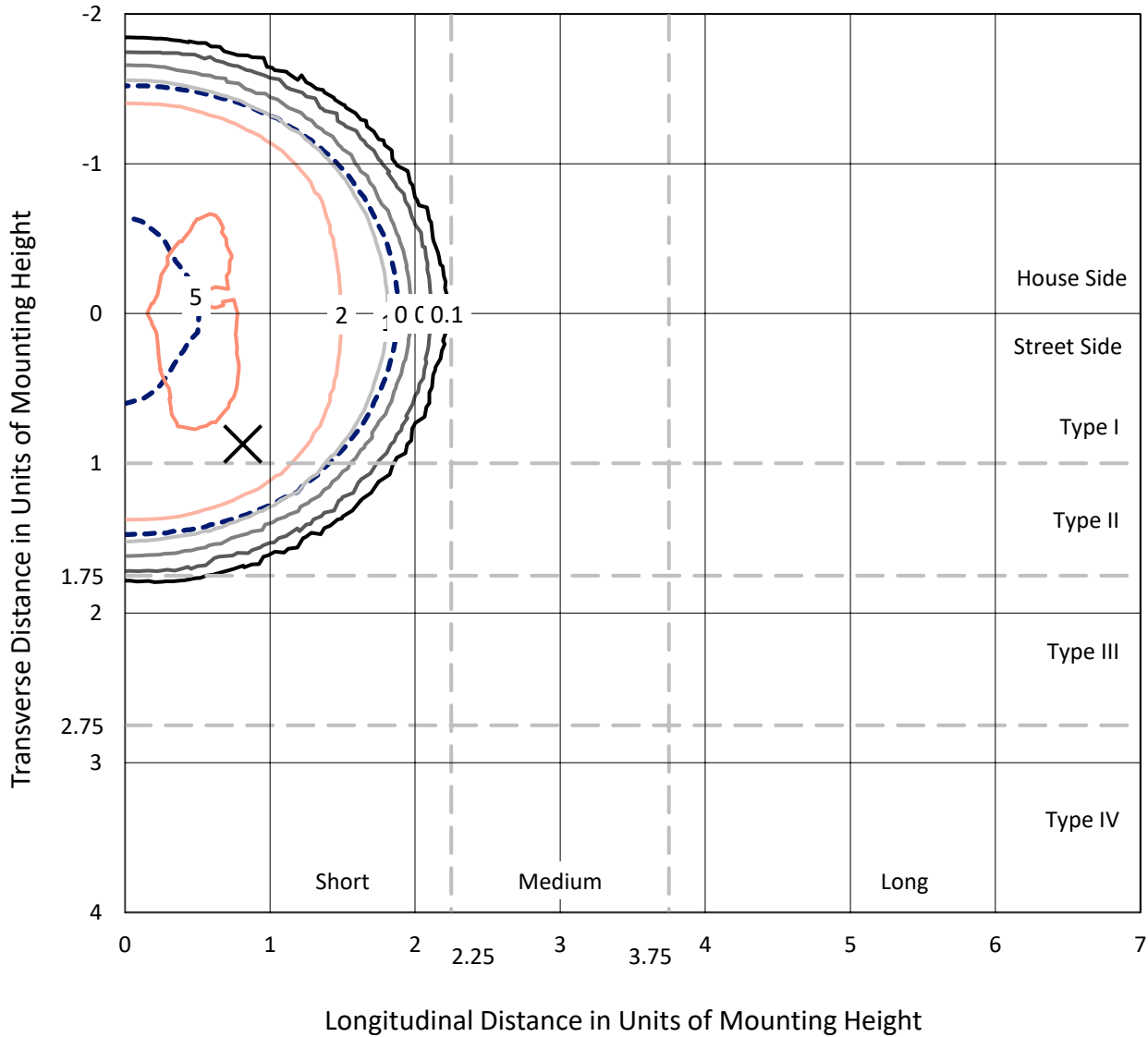
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

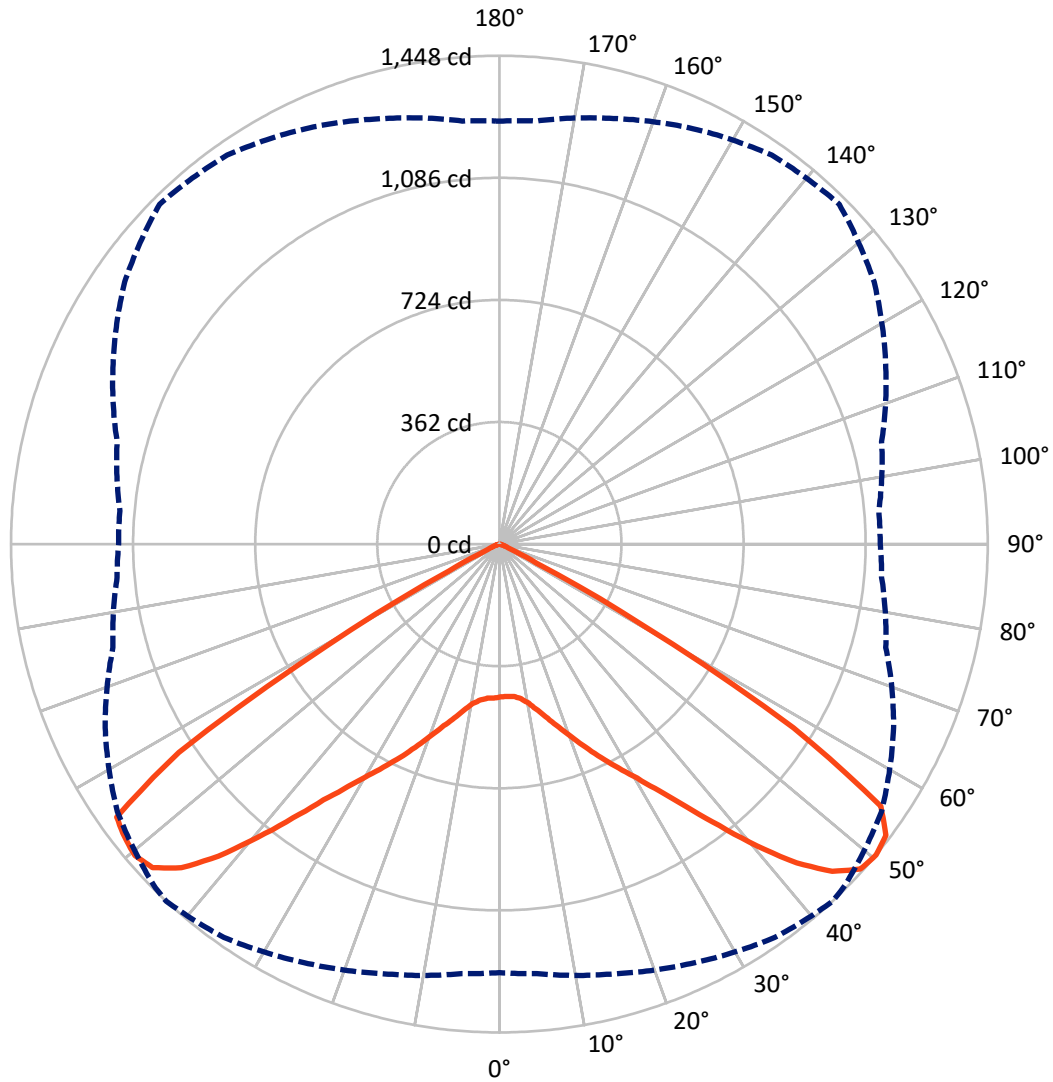
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 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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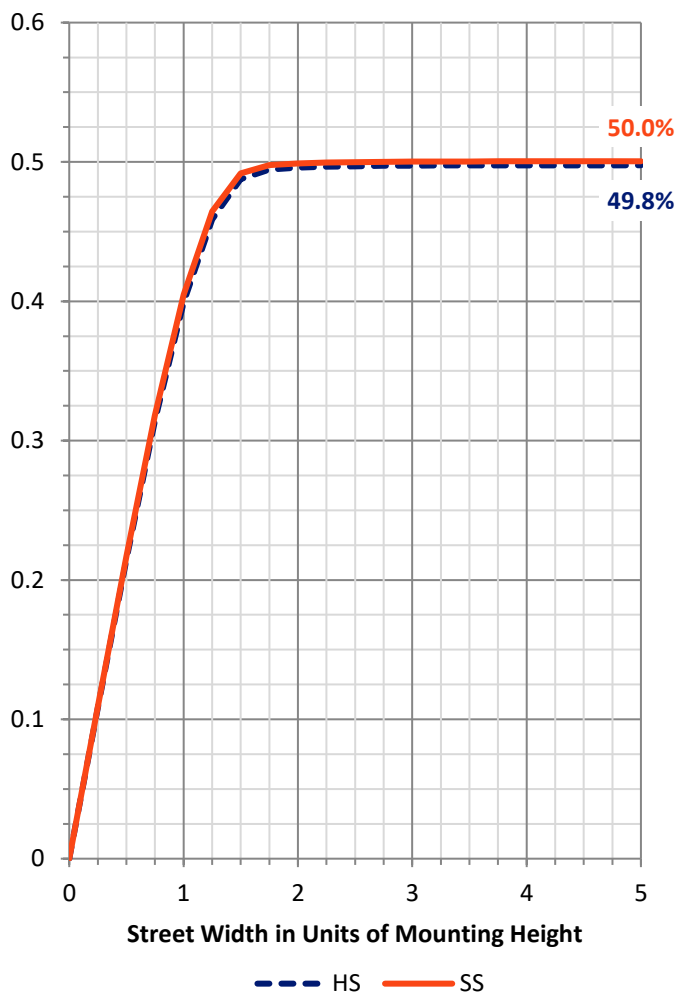
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1593.3	0.0	1593.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1593.3	0.0	1593.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	3186.6	0.0	3186.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.6	1.4
10°-20°	153.6	4.8
20°-30°	310.8	9.8
30°-40°	576.6	18.1
40°-50°	957.1	30.0
50°-60°	976.7	30.7
60°-70°	160.2	5.0
70°-80°	7.0	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°	3186.6	100.0
0°-180°	3186.6	100.0

Coefficient of Utilization



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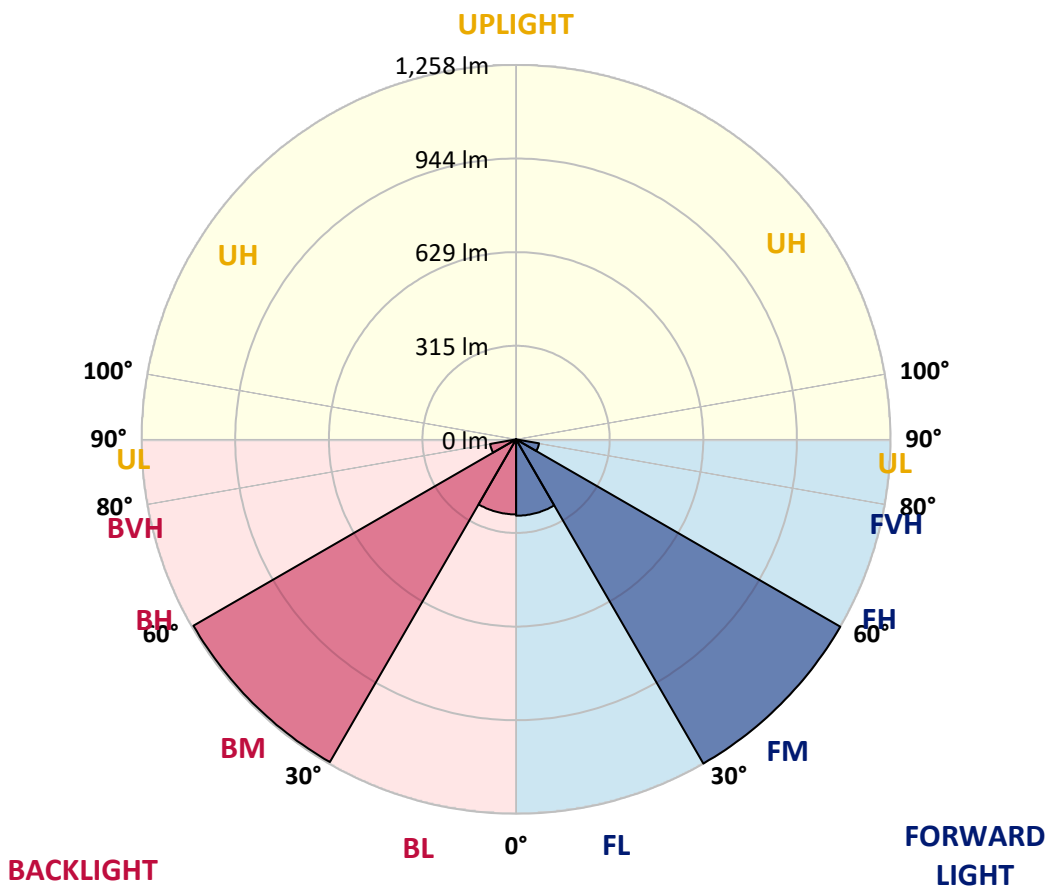
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	256.7	8.1			
FM (30°-60°)	1258.2	39.5			
FH (60°-80°)	78.4	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	252.3	7.9	B1/500		
BM (30°-60°)	1252.1	39.3	B2/2500		
BH (60°-80°)	88.8	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°	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2
2.5°	444.8	445.8	447.3	448.7	450.4	452.2	453.2	456.4	455.7	458.5	458.5
5°	439.9	440.9	442.7	445.8	449.7	453.6	456.4	462.8	466.3	471.9	474.0
7.5°	442.3	443.7	445.8	450.8	456.8	462.8	465.9	476.2	483.2	493.8	499.8
10°	450.4	451.8	455.4	463.8	471.6	480.0	483.9	496.9	508.2	522.7	531.1
12.5°	459.6	461.3	468.4	481.1	494.5	505.8	511.0	525.5	537.1	553.3	566.7
15°	469.1	471.9	482.8	501.5	520.6	535.7	541.4	556.9	568.5	585.8	600.9
17.5°	491.3	494.5	506.8	526.9	553.0	570.6	575.5	591.8	600.6	612.2	628.1
20°	519.2	525.1	540.3	564.6	593.2	610.1	613.6	629.5	628.8	633.7	647.4
22.5°	553.7	557.9	574.5	603.4	635.5	654.1	662.2	668.9	660.1	655.9	664.7
25°	589.6	594.6	612.5	644.3	680.2	701.7	708.4	713.7	699.6	683.7	684.8
27.5°	636.2	639.7	657.3	691.1	727.1	751.4	757.4	766.6	747.9	722.5	715.5
30°	691.5	695.0	713.7	749.3	784.9	805.7	814.9	826.1	805.7	774.0	765.9
32.5°	756.3	759.9	783.8	820.5	849.7	872.3	881.1	893.1	876.9	841.3	832.1
35°	833.9	836.0	864.2	904.0	935.0	956.9	962.9	977.0	959.0	923.4	918.5
37.5°	923.8	926.2	956.9	1003.1	1034.8	1059.1	1068.6	1072.5	1050.6	1010.8	1006.9
40°	1022.4	1030.5	1060.5	1110.2	1145.8	1176.5	1184.9	1171.9	1141.2	1086.9	1079.9
42.5°	1125.4	1132.4	1165.9	1219.8	1261.0	1292.4	1292.8	1264.6	1212.4	1137.3	1126.8
45°	1211.0	1213.8	1257.2	1311.4	1362.2	1384.4	1386.5	1335.4	1256.8	1166.6	1144.0
47.5°	1269.9	1274.4	1312.2	1364.3	1420.4	1440.4	1436.2	1372.4	1278.0	1185.6	1148.3
50°	1270.6	1278.3	1319.2	1369.6	1423.9	1448.2	1442.2	1383.0	1289.9	1186.3	1138.0
52.5°	1158.1	1170.8	1237.4	1310.4	1393.6	1435.2	1436.6	1396.7	1285.4	1175.0	1128.9
55°	873.7	887.5	971.3	1095.7	1256.5	1372.4	1392.5	1380.5	1280.1	1180.0	1145.1
57.5°	462.4	451.8	498.4	621.7	823.7	1028.8	1087.6	1183.5	1221.2	1186.0	1175.0
60°	100.8	107.5	143.1	192.8	321.4	483.9	541.4	705.6	900.8	987.5	1050.3
62.5°	43.4	42.6	44.4	50.4	73.7	122.7	149.8	244.6	385.9	530.1	627.7
65°	35.6	35.9	37.4	37.4	34.9	35.2	37.0	56.0	90.2	126.5	169.9
67.5°	26.8	27.1	29.6	30.3	28.5	25.4	25.0	21.1	22.2	27.8	28.9
70°	16.9	16.9	18.3	19.0	19.0	17.6	17.3	15.2	14.8	16.9	19.0
72.5°	9.2	9.2	9.9	10.2	9.9	9.5	9.5	9.2	8.8	10.2	13.0
75°	3.9	3.9	4.2	4.2	3.9	3.9	3.9	3.9	3.9	4.6	7.0
77.5°	0.7	1.1	1.4	1.1	0.7	0.7	0.7	1.1	1.1	1.4	2.1
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°	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2	453.2
2.5°	461.0	457.1	458.5	459.2	458.2	457.5	453.6	452.5	450.8	448.0	447.3
5°	476.5	473.3	473.0	470.9	465.9	459.9	452.5	449.4	445.8	442.3	441.6
7.5°	502.6	498.7	496.2	489.2	477.9	468.4	456.1	449.4	444.8	440.2	439.1
10°	536.1	531.5	524.4	511.4	496.2	482.5	468.0	459.2	452.2	445.8	445.5
12.5°	571.7	566.7	554.0	537.5	519.2	506.5	488.1	475.8	465.2	455.7	454.7
15°	609.0	603.0	585.8	566.0	549.1	536.1	516.0	496.2	480.0	466.3	464.9
17.5°	637.6	630.2	609.7	594.9	581.2	567.8	545.2	519.2	497.7	481.1	477.2
20°	655.5	648.5	629.1	621.0	614.7	605.1	578.4	551.2	527.3	506.8	503.3
22.5°	672.8	664.4	647.4	647.4	652.4	648.5	619.6	588.6	560.4	536.8	531.5
25°	692.2	685.5	673.5	683.4	695.7	695.4	665.8	627.0	594.6	568.1	562.9
27.5°	720.4	713.7	709.5	728.2	743.7	742.6	710.2	668.2	634.0	608.0	603.0
30°	770.1	763.7	759.2	781.7	801.5	794.1	758.5	717.9	683.4	653.8	650.3
32.5°	836.4	829.7	823.7	846.2	863.8	854.3	820.5	782.4	742.6	713.7	706.7
35°	923.4	909.3	903.3	930.1	937.5	926.9	894.5	861.0	818.7	785.6	781.0
37.5°	1013.3	996.7	992.5	1015.7	1027.7	1023.9	985.8	950.9	905.1	868.4	863.1
40°	1090.1	1075.0	1067.6	1103.9	1131.0	1133.5	1099.3	1056.6	1002.7	964.6	955.1
42.5°	1135.2	1122.2	1120.4	1176.8	1221.2	1252.9	1212.1	1168.0	1111.3	1068.3	1060.5
45°	1145.4	1137.0	1151.8	1225.8	1294.9	1352.7	1317.8	1271.3	1209.9	1164.5	1157.1
47.5°	1144.4	1141.6	1168.0	1251.2	1338.6	1409.8	1392.5	1340.0	1280.8	1233.2	1226.2
50°	1129.2	1129.6	1173.6	1263.9	1356.2	1425.3	1408.0	1359.4	1306.5	1259.6	1254.0
52.5°	1123.2	1121.1	1163.1	1260.0	1374.2	1418.2	1379.5	1324.8	1266.0	1208.2	1199.7
55°	1144.4	1139.1	1164.5	1256.8	1376.3	1414.4	1312.2	1193.7	1073.2	1004.8	999.2
57.5°	1176.1	1170.5	1182.5	1233.6	1266.0	1176.1	965.7	774.7	650.6	598.1	575.2
60°	1050.3	1046.4	1037.2	975.6	836.7	631.2	430.0	274.2	197.0	159.3	159.3
62.5°	651.7	646.4	596.7	443.4	322.1	186.4	102.6	64.1	48.6	45.5	45.1
65°	182.9	181.9	150.5	106.4	67.7	41.9	37.0	37.7	37.0	35.9	35.6
67.5°	27.5	30.3	30.3	24.7	23.6	26.4	31.0	33.1	31.4	29.6	28.9
70°	17.6	19.0	18.3	15.9	16.9	19.7	22.2	22.6	21.5	19.7	19.4
72.5°	12.3	13.7	11.3	10.2	10.6	11.6	12.7	12.7	12.3	11.6	10.9
75°	7.4	7.4	5.3	4.9	4.9	5.3	5.3	6.0	6.0	5.6	5.3
77.5°	2.5	2.8	1.8	1.4	1.4	1.4	1.8	2.1	2.1	1.8	1.4
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)