

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: P629941

Luminaire Tested: GWS-SA1C-760-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629941
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3143 lumens
Efficiency: N/A
Efficacy: 92.2 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

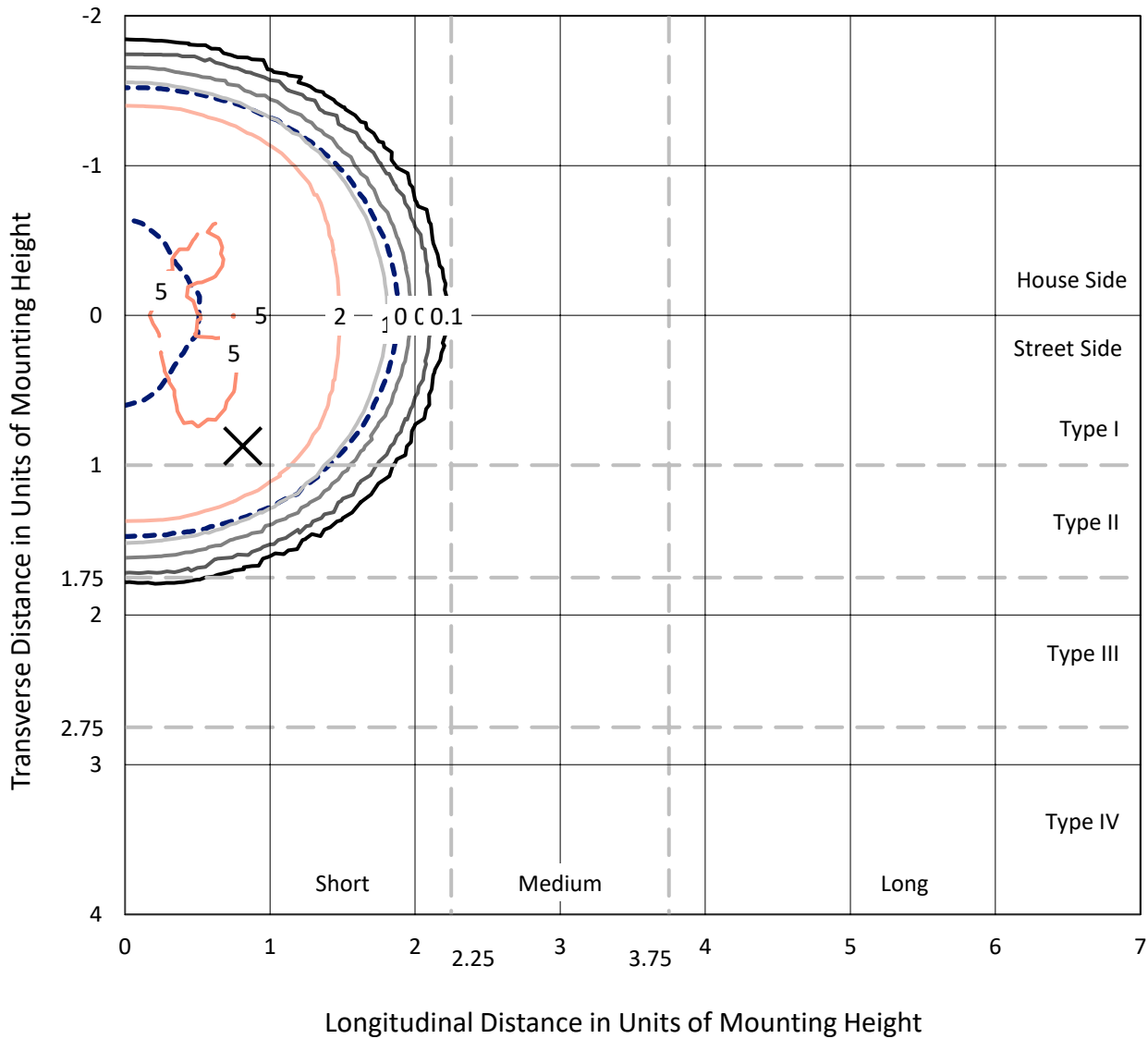
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

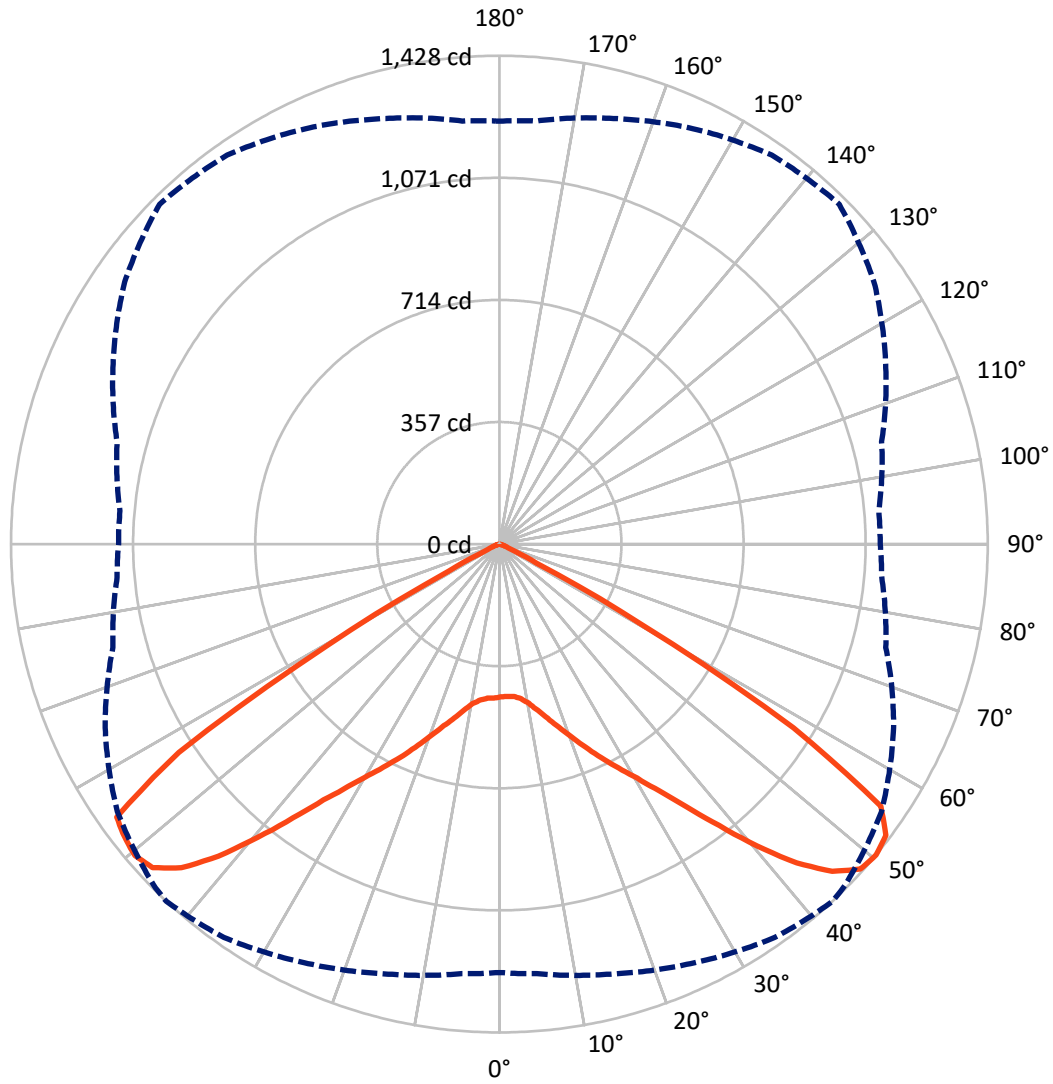
✕ Max cd
 - - - 1/2 Max cd



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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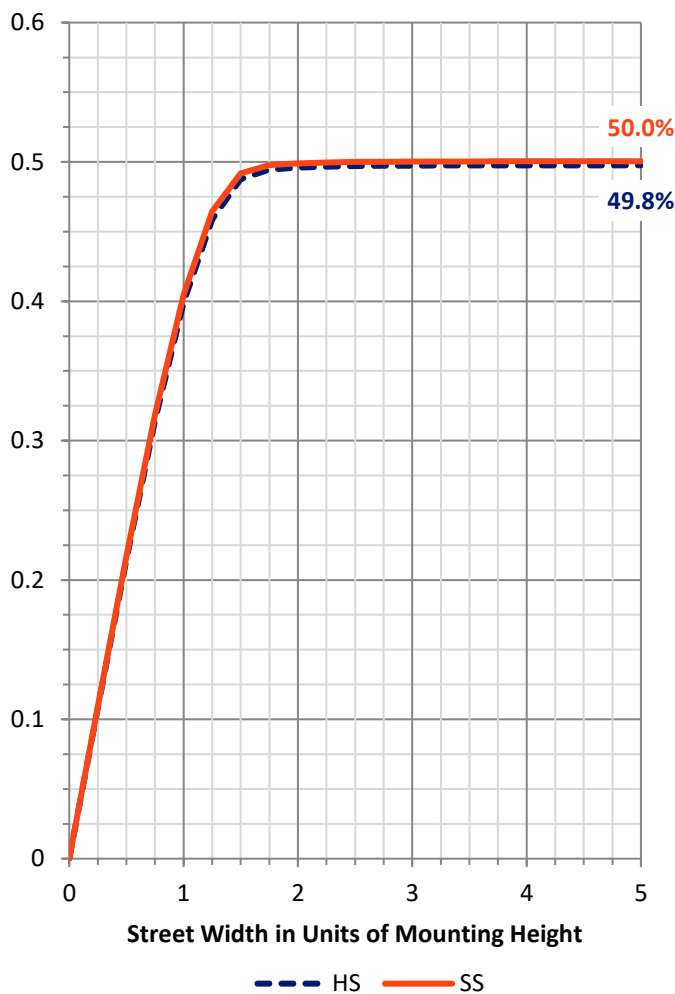
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1571.5	0.0	1571.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1571.5	0.0	1571.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3143.0	0.0	3143.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.0	1.4
10°-20°	151.5	4.8
20°-30°	306.5	9.8
30°-40°	568.7	18.1
40°-50°	944.0	30.0
50°-60°	963.4	30.7
60°-70°	158.0	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°	3143.0	100.0
0°-180°	3143.0	100.0

Coefficient of Utilization



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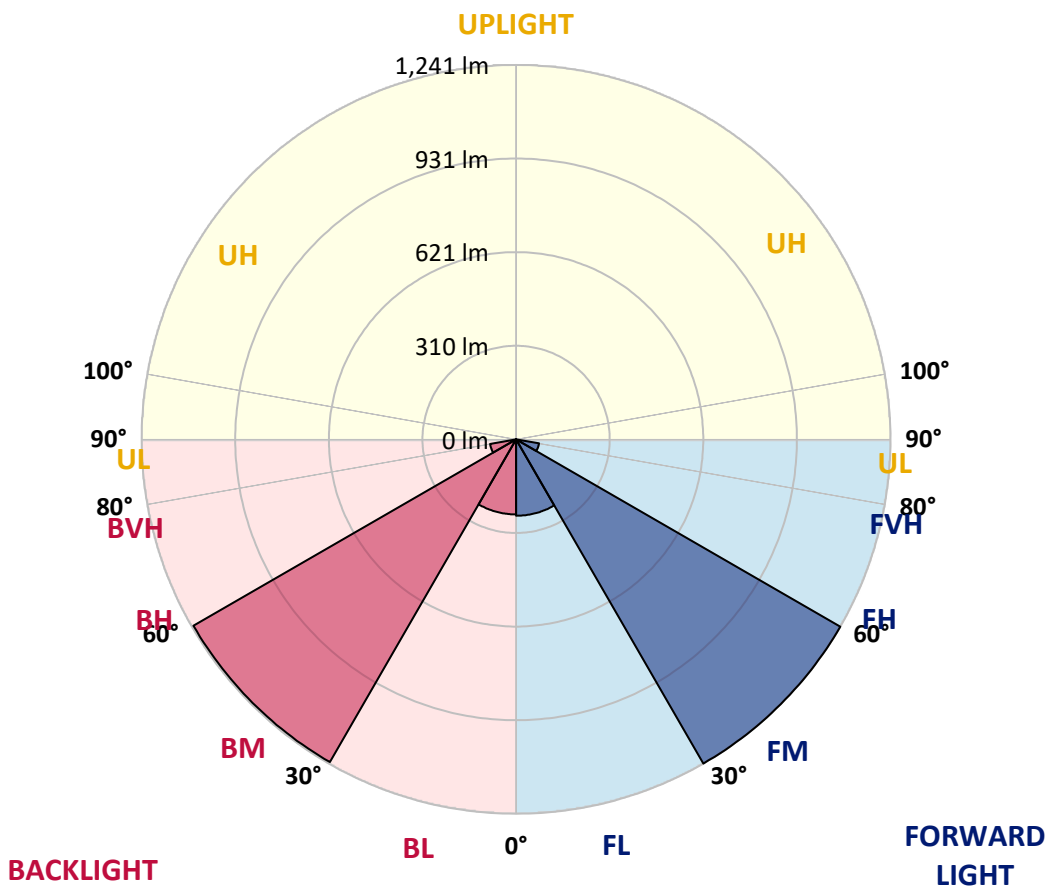
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	253.2	8.1			
FM (30°-60°)	1241.0	39.5			
FH (60°-80°)	77.3	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	248.8	7.9	B1/500		
BM (30°-60°)	1235.0	39.3	B2/2500		
BH (60°-80°)	87.6	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°	447.0	447.0	447.0	447.0	447.0	447.0	447.0	447.0	447.0	447.0	447.0
2.5°	438.7	439.7	441.1	442.5	444.3	446.0	447.0	450.2	449.5	452.3	452.3
5°	433.8	434.9	436.6	439.7	443.6	447.4	450.2	456.4	459.9	465.5	467.6
7.5°	436.3	437.7	439.7	444.6	450.5	456.4	459.6	469.6	476.6	487.0	492.9
10°	444.3	445.7	449.1	457.5	465.1	473.5	477.3	490.1	501.3	515.5	523.9
12.5°	453.3	455.0	462.0	474.5	487.7	498.8	504.1	518.3	529.8	545.8	559.0
15°	462.7	465.5	476.2	494.7	513.4	528.4	533.9	549.2	560.7	577.7	592.7
17.5°	484.6	487.7	499.9	519.7	545.4	562.8	567.7	583.7	592.3	603.8	619.5
20°	512.0	518.0	532.9	556.9	585.0	601.7	605.2	620.9	620.2	625.0	638.6
22.5°	546.1	550.3	566.6	595.1	626.8	645.2	653.2	659.8	651.1	646.9	655.6
25°	581.6	586.4	604.2	635.5	670.9	692.1	698.7	703.9	690.0	674.4	675.4
27.5°	627.5	630.9	648.3	681.7	717.1	741.1	747.0	756.1	737.7	712.6	705.7
30°	682.0	685.5	703.9	739.0	774.2	794.7	803.7	814.8	794.7	763.4	755.4
32.5°	746.0	749.5	773.1	809.3	838.1	860.4	869.1	880.9	864.9	829.8	820.7
35°	822.5	824.6	852.4	891.7	922.2	943.8	949.7	963.6	945.9	910.8	905.9
37.5°	911.1	913.6	943.8	989.3	1020.6	1044.6	1054.0	1057.8	1036.3	997.0	993.2
40°	1008.5	1016.4	1046.0	1095.0	1130.1	1160.4	1168.7	1155.8	1125.6	1072.1	1065.1
42.5°	1110.0	1116.9	1149.9	1203.1	1243.8	1274.7	1275.1	1247.3	1195.8	1121.8	1111.3
45°	1194.4	1197.2	1240.0	1293.5	1343.6	1365.5	1367.5	1317.1	1239.6	1150.6	1128.4
47.5°	1252.5	1257.0	1294.2	1345.6	1400.9	1420.7	1416.6	1353.6	1260.5	1169.4	1132.6
50°	1253.2	1260.8	1301.1	1350.9	1404.4	1428.4	1422.5	1364.1	1272.3	1170.1	1122.5
52.5°	1142.3	1154.8	1220.5	1292.5	1374.5	1415.5	1416.9	1377.6	1267.8	1159.0	1113.4
55°	861.8	875.3	958.0	1080.8	1239.3	1353.6	1373.5	1361.6	1262.6	1163.8	1129.4
57.5°	456.1	445.7	491.5	613.2	812.4	1014.7	1072.8	1167.3	1204.5	1169.7	1159.0
60°	99.4	106.0	141.1	190.1	317.0	477.3	533.9	695.9	888.5	974.0	1035.9
62.5°	42.8	42.1	43.8	49.7	72.7	121.0	147.7	241.2	380.6	522.8	619.1
65°	35.1	35.5	36.8	36.8	34.4	34.8	36.5	55.3	89.0	124.8	167.6
67.5°	26.4	26.8	29.2	29.9	28.2	25.0	24.7	20.9	21.9	27.5	28.5
70°	16.7	16.7	18.1	18.8	18.8	17.4	17.0	14.9	14.6	16.7	18.8
72.5°	9.0	9.0	9.7	10.1	9.7	9.4	9.4	9.0	8.7	10.1	12.9
75°	3.8	3.8	4.2	4.2	3.8	3.8	3.8	3.8	3.8	4.5	7.0
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	447.0	447.0	447.0	447.0	447.0	447.0	447.0	447.0	447.0	447.0	447.0
2.5°	454.7	450.9	452.3	453.0	451.9	451.2	447.4	446.3	444.6	441.8	441.1
5°	470.0	466.9	466.5	464.4	459.6	453.6	446.3	443.2	439.7	436.3	435.6
7.5°	495.7	491.9	489.5	482.5	471.4	462.0	449.8	443.2	438.7	434.2	433.1
10°	528.7	524.2	517.3	504.4	489.5	475.9	461.6	453.0	446.0	439.7	439.4
12.5°	563.8	559.0	546.5	530.1	512.0	499.5	481.5	469.3	458.9	449.5	448.4
15°	600.7	594.8	577.7	558.3	541.6	528.7	508.9	489.5	473.5	459.9	458.5
17.5°	628.8	621.5	601.4	586.8	573.2	560.0	537.8	512.0	490.8	474.5	470.7
20°	646.6	639.6	620.5	612.5	606.3	596.9	570.4	543.7	520.0	499.9	496.4
22.5°	663.6	655.3	638.6	638.6	643.4	639.6	611.1	580.5	552.7	529.4	524.2
25°	682.7	676.1	664.3	674.0	686.2	685.9	656.7	618.4	586.4	560.4	555.2
27.5°	710.5	703.9	699.8	718.2	733.5	732.4	700.5	659.1	625.4	599.6	594.8
30°	759.6	753.3	748.8	771.0	790.5	783.2	748.1	708.1	674.0	644.8	641.4
32.5°	824.9	818.3	812.4	834.6	852.0	842.6	809.3	771.7	732.4	703.9	697.0
35°	910.8	896.9	891.0	917.4	924.7	914.2	882.3	849.2	807.5	774.8	770.3
37.5°	999.4	983.1	978.9	1001.8	1013.7	1009.8	972.3	937.9	892.7	856.5	851.3
40°	1075.2	1060.2	1052.9	1088.8	1115.5	1118.0	1084.2	1042.2	989.0	951.4	942.1
42.5°	1119.7	1106.8	1105.1	1160.7	1204.5	1235.8	1195.5	1152.0	1096.1	1053.6	1046.0
45°	1129.8	1121.4	1136.0	1209.0	1277.2	1334.2	1299.8	1253.9	1193.4	1148.5	1141.2
47.5°	1128.7	1125.9	1152.0	1234.1	1320.3	1390.5	1373.5	1321.7	1263.3	1216.3	1209.4
50°	1113.8	1114.1	1157.6	1246.6	1337.6	1405.8	1388.8	1340.8	1288.6	1242.4	1236.8
52.5°	1107.9	1105.8	1147.2	1242.7	1355.4	1398.8	1360.6	1306.7	1248.7	1191.6	1183.3
55°	1128.7	1123.5	1148.5	1239.6	1357.5	1395.0	1294.2	1177.4	1058.5	991.1	985.5
57.5°	1160.0	1154.5	1166.3	1216.7	1248.7	1160.0	952.5	764.1	641.7	589.9	567.3
60°	1035.9	1032.1	1023.1	962.2	825.3	622.6	424.1	270.5	194.3	157.1	157.1
62.5°	642.8	637.5	588.5	437.3	317.7	183.9	101.2	63.3	48.0	44.8	44.5
65°	180.4	179.4	148.4	105.0	66.7	41.4	36.5	37.2	36.5	35.5	35.1
67.5°	27.1	29.9	29.9	24.3	23.3	26.1	30.6	32.7	30.9	29.2	28.5
70°	17.4	18.8	18.1	15.6	16.7	19.5	21.9	22.2	21.2	19.5	19.1
72.5°	12.2	13.6	11.1	10.1	10.4	11.5	12.5	12.5	12.2	11.5	10.8
75°	7.3	7.3	5.2	4.9	4.9	5.2	5.2	5.9	5.9	5.6	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)