

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: P629778

Luminaire Tested: GWS-SA1C-735-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629778
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3072.5 lumens
Efficiency: N/A
Efficacy: 90.1 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

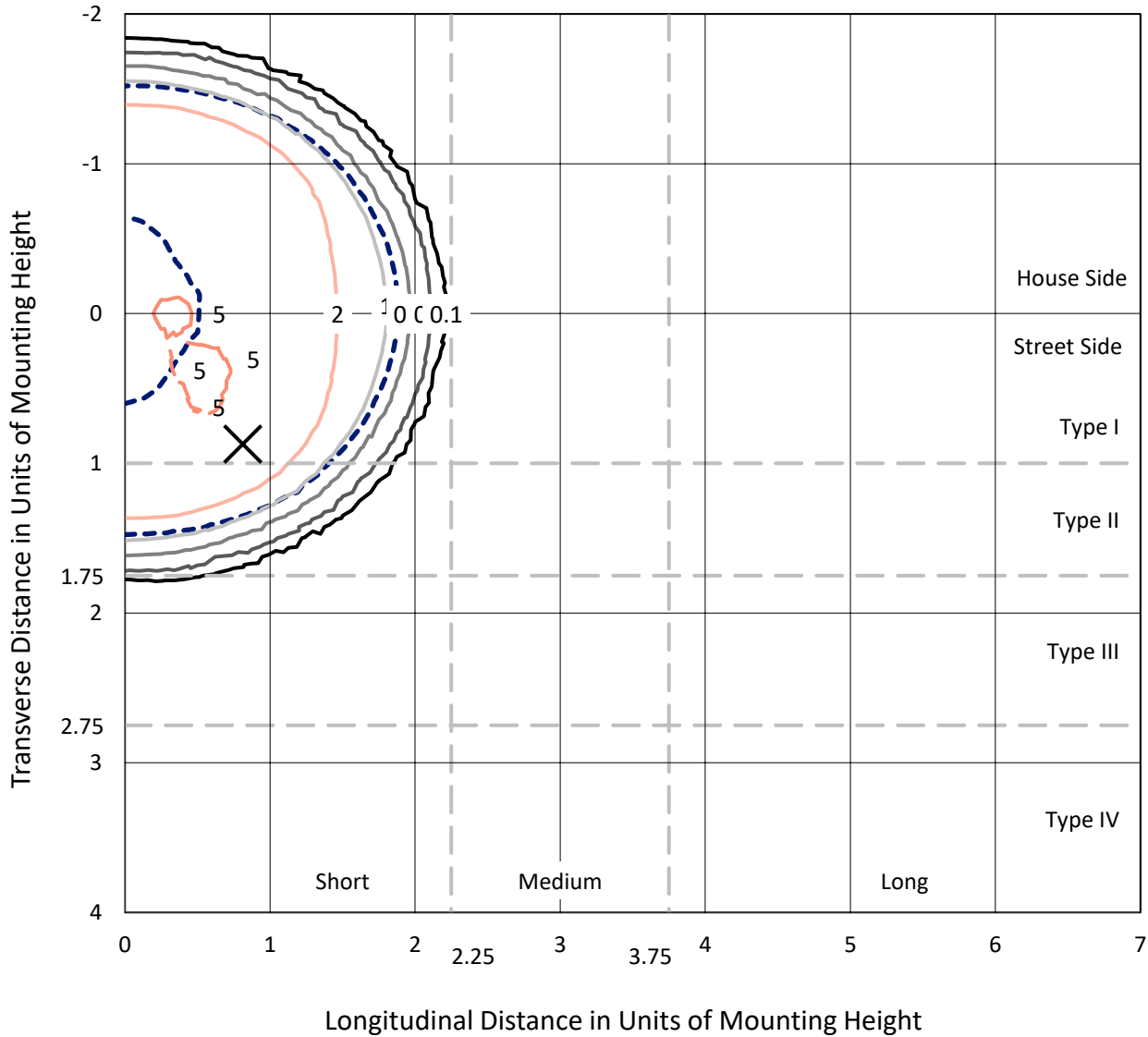
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

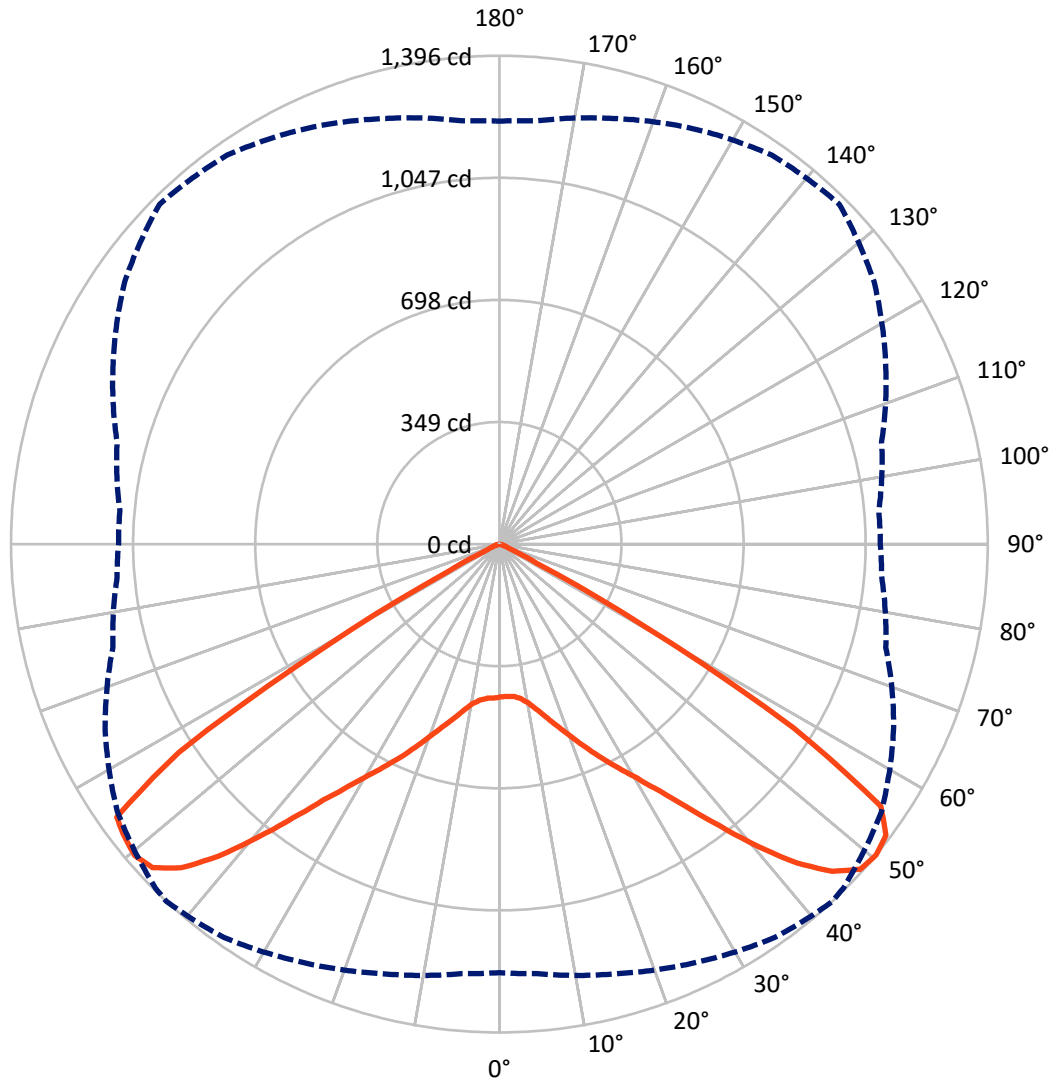
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 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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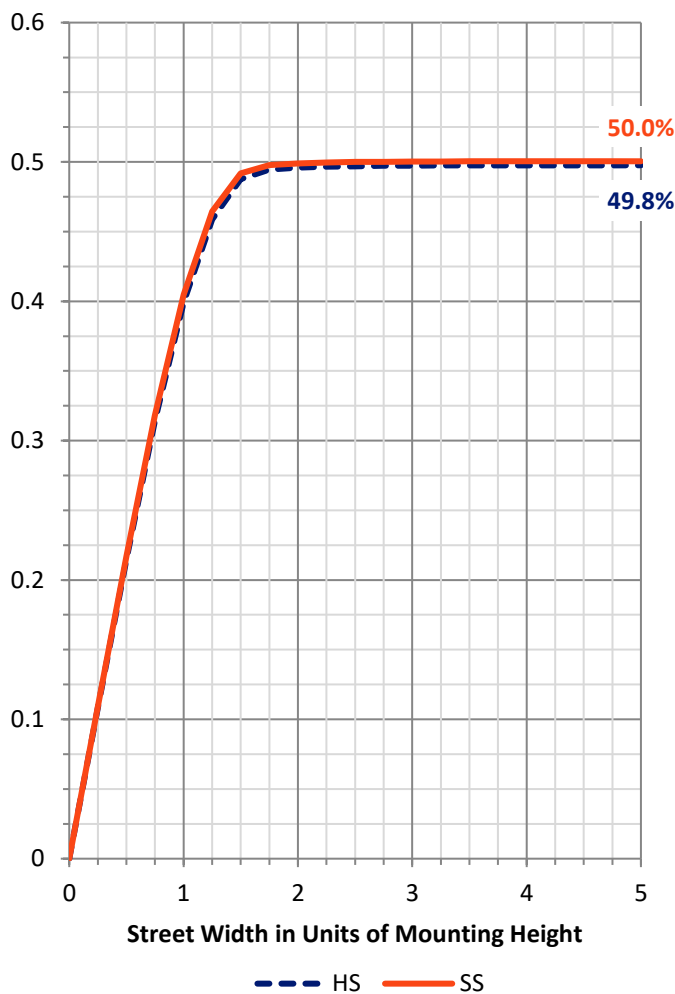
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1536.2	0.0	1536.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1536.3	0.0	1536.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	3072.5	0.0	3072.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.0	1.4
10°-20°	148.1	4.8
20°-30°	299.6	9.8
30°-40°	555.9	18.1
40°-50°	922.8	30.0
50°-60°	941.7	30.7
60°-70°	154.4	5.0
70°-80°	6.8	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°	3072.5	100.0
0°-180°	3072.5	100.0

Coefficient of Utilization



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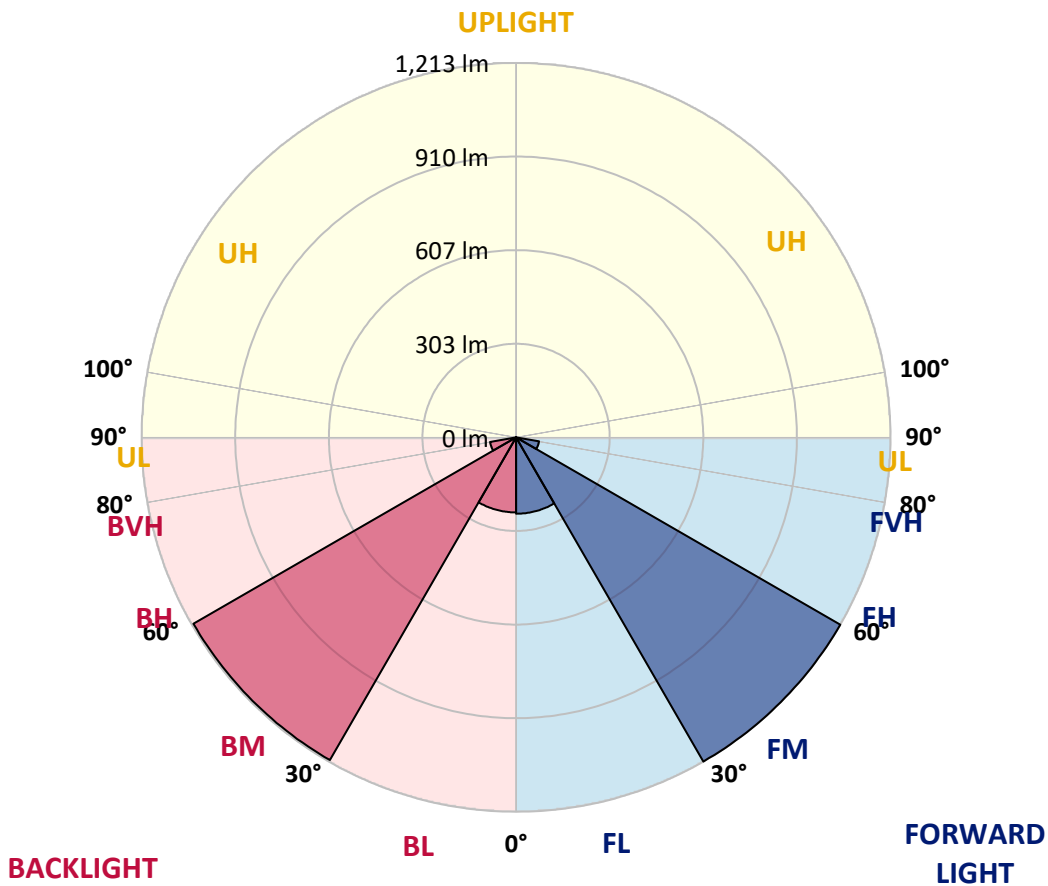
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	247.5	8.1			
FM (30°-60°)	1213.2	39.5			
FH (60°-80°)	75.5	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	243.2	7.9	B1/500		
BM (30°-60°)	1207.3	39.3	B2/2500		
BH (60°-80°)	85.6	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°	437.0	437.0	437.0	437.0	437.0	437.0	437.0	437.0	437.0	437.0	437.0
2.5°	428.9	429.9	431.2	432.6	434.3	436.0	437.0	440.1	439.4	442.1	442.1
5°	424.1	425.1	426.8	429.9	433.6	437.4	440.1	446.2	449.6	455.0	457.1
7.5°	426.5	427.8	429.9	434.6	440.4	446.2	449.2	459.1	465.9	476.1	481.9
10°	434.3	435.7	439.1	447.2	454.7	462.8	466.6	479.2	490.0	504.0	512.1
12.5°	443.1	444.8	451.6	463.9	476.8	487.6	492.7	506.7	517.9	533.5	546.4
15°	452.3	455.0	465.6	483.6	501.9	516.5	522.0	536.9	548.1	564.8	579.4
17.5°	473.7	476.8	488.7	508.0	533.2	550.2	554.9	570.6	579.1	590.3	605.6
20°	500.6	506.3	521.0	544.4	571.9	588.2	591.6	606.9	606.2	611.0	624.3
22.5°	533.9	537.9	553.9	581.8	612.7	630.7	638.5	645.0	636.5	632.4	640.9
25°	568.5	573.3	590.6	621.2	655.9	676.6	683.0	688.1	674.6	659.3	660.3
27.5°	613.4	616.8	633.8	666.4	701.1	724.5	730.3	739.1	721.1	696.6	689.8
30°	666.7	670.1	688.1	722.5	756.8	776.8	785.7	796.5	776.8	746.3	738.4
32.5°	729.3	732.7	755.8	791.1	819.3	841.1	849.6	861.1	845.5	811.2	802.3
35°	804.0	806.1	833.3	871.7	901.6	922.6	928.4	942.0	924.7	890.3	885.6
37.5°	890.7	893.1	922.6	967.1	997.7	1021.2	1030.3	1034.1	1013.0	974.6	970.9
40°	985.8	993.6	1022.5	1070.4	1104.8	1134.3	1142.5	1129.9	1100.4	1048.0	1041.2
42.5°	1085.1	1091.9	1124.1	1176.1	1215.9	1246.1	1246.5	1219.3	1169.0	1096.6	1086.4
45°	1167.6	1170.4	1212.2	1264.5	1313.4	1334.8	1336.9	1287.6	1211.8	1124.8	1103.1
47.5°	1224.4	1228.8	1265.2	1315.5	1369.5	1388.9	1384.8	1323.3	1232.2	1143.2	1107.1
50°	1225.1	1232.5	1272.0	1320.6	1372.9	1396.3	1390.6	1333.5	1243.8	1143.8	1097.3
52.5°	1116.7	1128.9	1193.1	1263.5	1343.7	1383.8	1385.1	1346.7	1239.3	1133.0	1088.5
55°	842.4	855.7	936.6	1056.5	1211.5	1323.3	1342.6	1331.1	1234.2	1137.7	1104.1
57.5°	445.8	435.7	480.5	599.5	794.2	991.9	1048.7	1141.1	1177.5	1143.5	1133.0
60°	97.2	103.6	138.0	185.9	309.9	466.6	522.0	680.3	868.6	952.2	1012.7
62.5°	41.8	41.1	42.8	48.6	71.0	118.3	144.4	235.8	372.1	511.1	605.2
65°	34.3	34.7	36.0	36.0	33.6	34.0	35.7	54.0	87.0	122.0	163.8
67.5°	25.8	26.2	28.5	29.2	27.5	24.5	24.1	20.4	21.4	26.8	27.9
70°	16.3	16.3	17.7	18.4	18.4	17.0	16.7	14.6	14.3	16.3	18.4
72.5°	8.8	8.8	9.5	9.9	9.5	9.2	9.2	8.8	8.5	9.9	12.6
75°	3.7	3.7	4.1	4.1	3.7	3.7	3.7	3.7	3.7	4.4	6.8
77.5°	0.7	1.0	1.4	1.0	0.7	0.7	0.7	1.0	1.0	1.4	2.0
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°	437.0	437.0	437.0	437.0	437.0	437.0	437.0	437.0	437.0	437.0	437.0
2.5°	444.5	440.8	442.1	442.8	441.8	441.1	437.4	436.3	434.6	431.9	431.2
5°	459.4	456.4	456.0	454.0	449.2	443.5	436.3	433.3	429.9	426.5	425.8
7.5°	484.6	480.9	478.5	471.7	460.8	451.6	439.7	433.3	428.9	424.4	423.4
10°	516.9	512.5	505.7	493.1	478.5	465.2	451.3	442.8	436.0	429.9	429.5
12.5°	551.2	546.4	534.2	518.2	500.6	488.3	470.7	458.8	448.6	439.4	438.4
15°	587.2	581.4	564.8	545.8	529.4	516.9	497.5	478.5	462.8	449.6	448.2
17.5°	614.7	607.6	587.9	573.6	560.4	547.5	525.7	500.6	479.8	463.9	460.1
20°	632.1	625.3	606.6	598.8	592.7	583.5	557.7	531.5	508.4	488.7	485.3
22.5°	648.7	640.6	624.3	624.3	629.0	625.3	597.4	567.5	540.3	517.6	512.5
25°	667.4	661.0	649.4	658.9	670.8	670.5	641.9	604.5	573.3	547.8	542.7
27.5°	694.6	688.1	684.1	702.1	717.0	716.0	684.7	644.3	611.3	586.2	581.4
30°	742.5	736.4	732.0	753.7	772.8	765.6	731.3	692.2	658.9	630.4	627.0
32.5°	806.4	799.9	794.2	815.9	832.9	823.7	791.1	754.4	716.0	688.1	681.3
35°	890.3	876.7	871.0	896.8	903.9	893.7	862.5	830.2	789.4	757.5	753.1
37.5°	977.0	961.0	956.9	979.4	990.9	987.2	950.5	916.8	872.7	837.3	832.2
40°	1051.1	1036.5	1029.3	1064.3	1090.5	1092.9	1059.9	1018.8	966.8	930.1	920.9
42.5°	1094.6	1082.0	1080.3	1134.7	1177.5	1208.1	1168.7	1126.2	1071.5	1030.0	1022.5
45°	1104.4	1096.3	1110.5	1181.9	1248.5	1304.2	1270.6	1225.7	1166.6	1122.8	1115.6
47.5°	1103.4	1100.7	1126.2	1206.4	1290.7	1359.3	1342.6	1292.0	1234.9	1189.0	1182.3
50°	1088.8	1089.1	1131.6	1218.6	1307.6	1374.3	1357.6	1310.7	1259.7	1214.5	1209.1
52.5°	1083.0	1081.0	1121.4	1214.9	1325.0	1367.5	1330.1	1277.4	1220.7	1164.9	1156.8
55°	1103.4	1098.3	1122.8	1211.8	1327.0	1363.7	1265.2	1151.0	1034.8	968.8	963.4
57.5°	1134.0	1128.6	1140.1	1189.4	1220.7	1134.0	931.1	746.9	627.3	576.7	554.6
60°	1012.7	1008.9	1000.1	940.6	806.7	608.6	414.6	264.4	190.0	153.6	153.6
62.5°	628.3	623.2	575.3	427.5	310.6	179.8	98.9	61.8	46.9	43.8	43.5
65°	176.4	175.3	145.1	102.6	65.2	40.4	35.7	36.4	35.7	34.7	34.3
67.5°	26.5	29.2	29.2	23.8	22.8	25.5	29.9	31.9	30.2	28.5	27.9
70°	17.0	18.4	17.7	15.3	16.3	19.0	21.4	21.7	20.7	19.0	18.7
72.5°	11.9	13.3	10.9	9.9	10.2	11.2	12.2	12.2	11.9	11.2	10.5
75°	7.1	7.1	5.1	4.8	4.8	5.1	5.1	5.8	5.8	5.4	5.1
77.5°	2.4	2.7	1.7	1.4	1.4	1.4	1.7	2.0	2.0	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)