

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: P629943

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629943
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)
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
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4992 lumens
Efficiency: N/A
Efficacy: 146.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

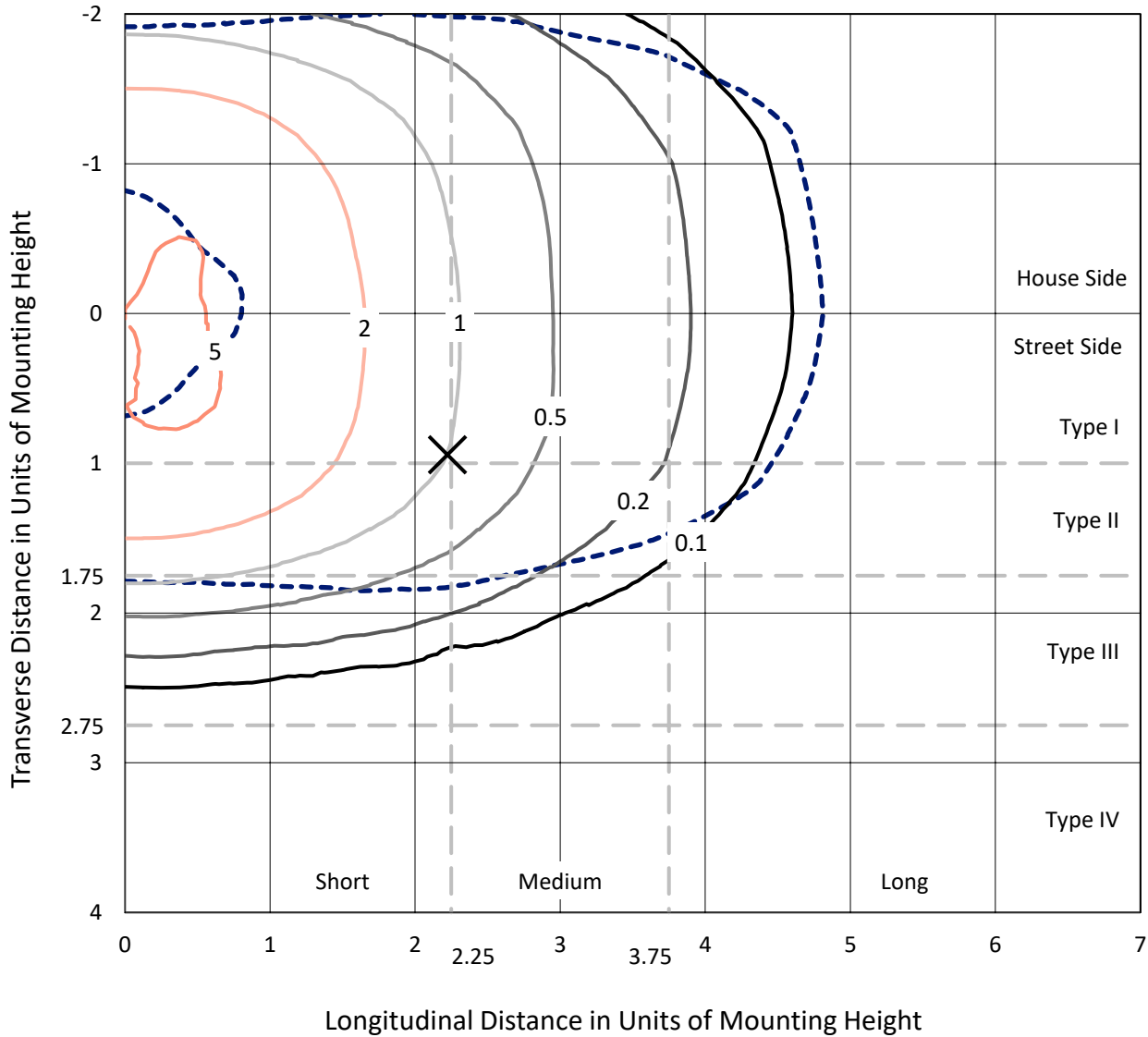
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

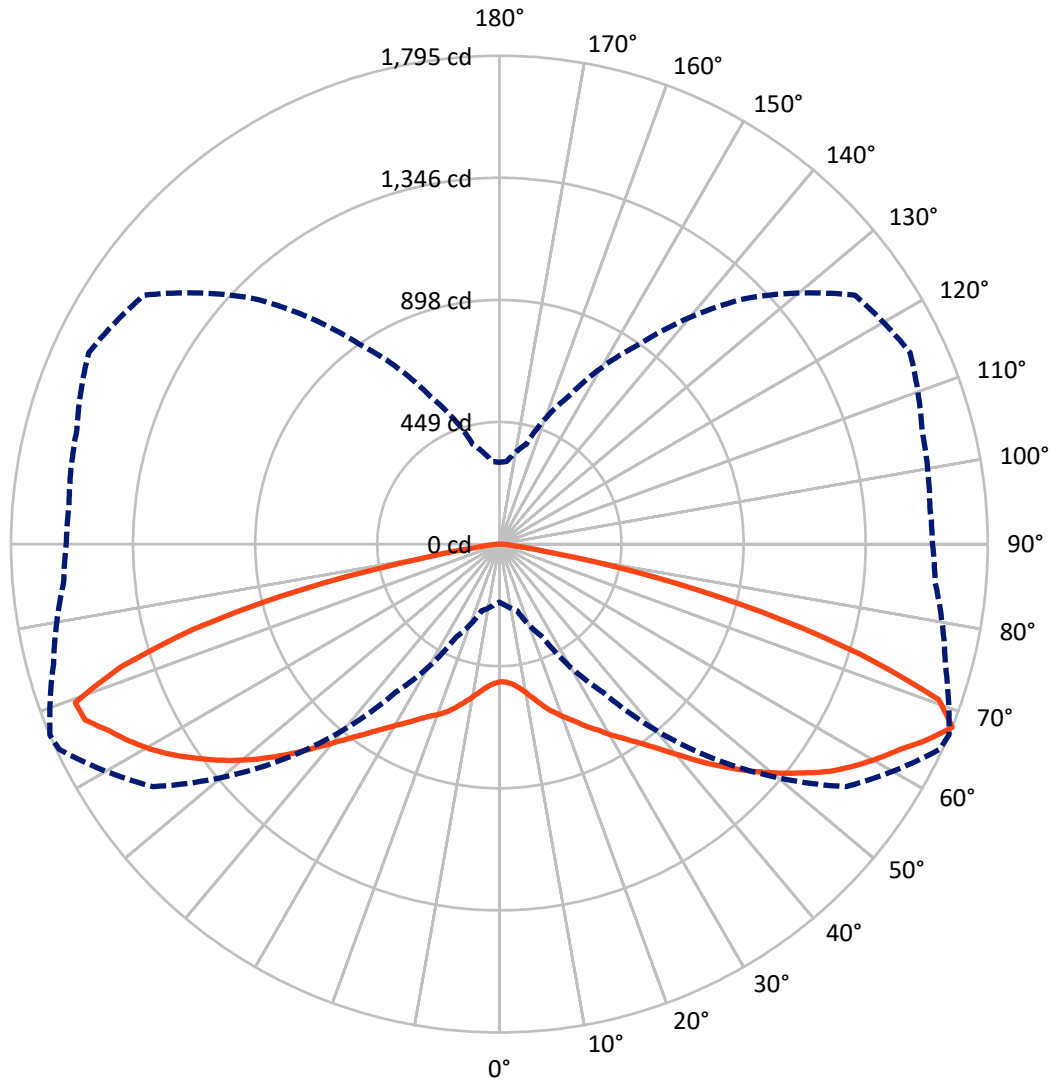
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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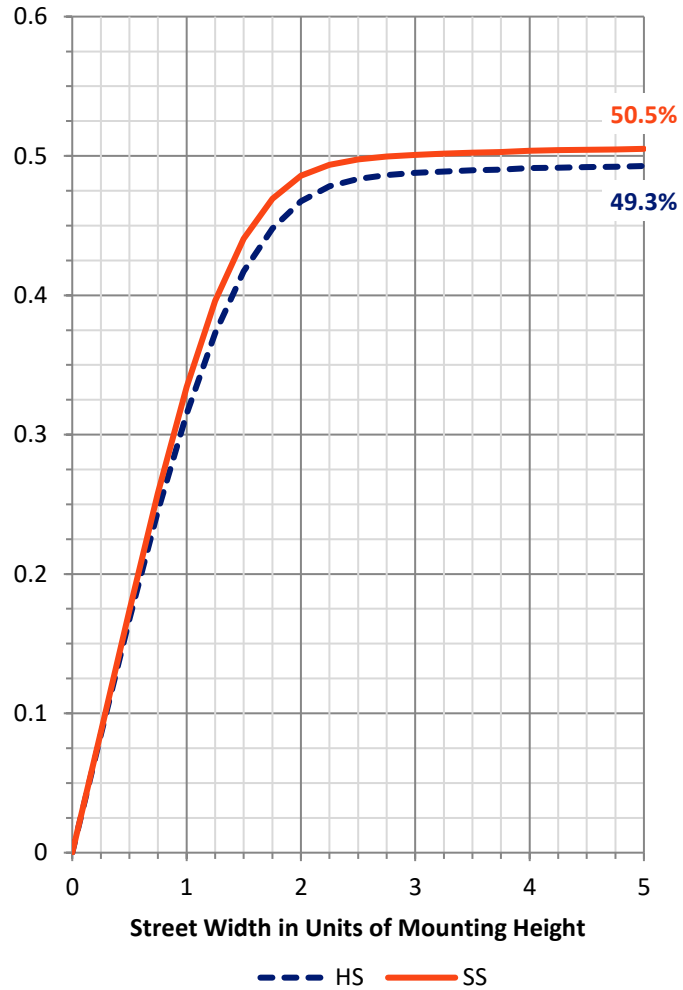
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2468.4	0.0	2468.4
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	2523.6	0.0	2523.6
	% Fixture	50.6	0.0	50.6
Total	Lumens	4992.0	0.0	4992.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.6	1.0
10°-20°	167.5	3.4
20°-30°	328.7	6.6
30°-40°	560.0	11.2
40°-50°	899.3	18.0
50°-60°	1221.9	24.5
60°-70°	1168.9	23.4
70°-80°	555.7	11.1
80°-90°	40.3	0.8
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°	4992.0	100.0
0°-180°	4992.0	100.0

Coefficient of Utilization



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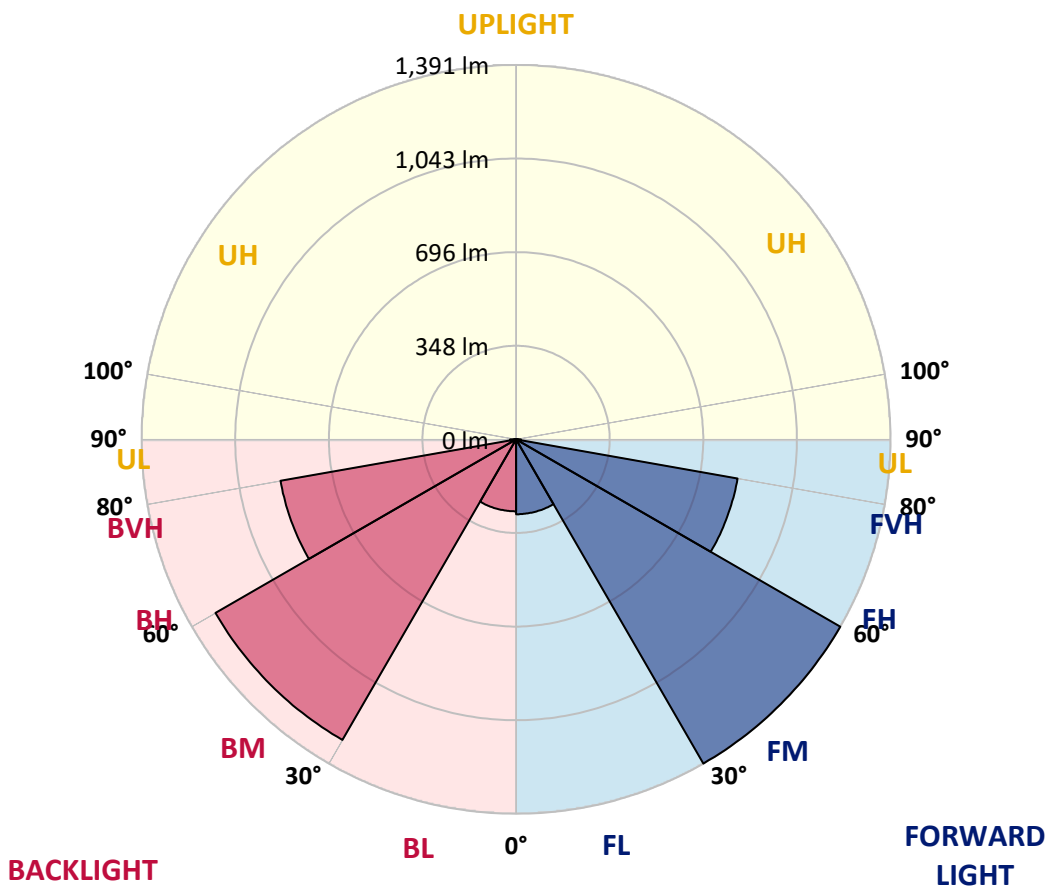
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	278.3	5.6			
FM (30°-60°)	1391.3	27.9			
FH (60°-80°)	835.8	16.7			G1/1800
FVH (80°-90°)	18.1	0.4			G1/100
BL (0°-30°)	267.5	5.4	B1/500		
BM (30°-60°)	1289.9	25.8	B2/2500		
BH (60°-80°)	888.8	17.8	B2/1000		G2/1000
BVH (80°-90°)	22.2	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	505.5	505.5	505.5	505.5	505.5	505.5	505.5	505.5	505.5	505.5	505.5
2.5°	495.0	495.7	496.8	498.9	500.9	504.1	507.2	506.9	508.2	509.3	510.3
5°	492.3	493.0	494.7	497.5	500.6	505.8	512.4	515.2	517.3	521.1	524.6
7.5°	498.2	499.6	502.0	505.8	510.7	517.3	526.3	531.2	534.3	541.3	547.2
10°	506.2	507.9	512.8	520.1	527.4	537.5	548.9	556.2	558.3	567.3	578.5
12.5°	513.8	515.9	523.9	537.1	550.3	563.9	577.4	586.5	587.2	599.3	611.8
15°	526.0	527.7	538.5	555.5	575.7	594.5	611.2	617.4	620.2	628.9	644.5
17.5°	552.7	554.8	568.7	587.2	608.4	628.2	644.9	650.1	650.1	657.4	670.2
20°	581.6	583.7	602.1	625.8	651.5	671.6	684.5	679.6	677.9	680.0	689.0
22.5°	613.9	617.8	635.5	662.9	694.6	719.3	725.9	711.3	706.4	701.5	703.6
25°	655.3	659.8	677.2	706.4	737.3	763.4	767.2	744.6	741.9	724.8	718.6
27.5°	702.9	706.4	728.0	756.8	785.7	807.6	811.7	783.9	774.5	750.9	736.3
30°	764.5	767.6	786.4	814.9	839.9	855.2	860.4	822.2	814.9	778.7	756.1
32.5°	831.6	832.9	852.1	879.5	901.8	916.4	909.1	864.6	853.8	813.1	782.2
35°	908.4	908.4	933.1	955.3	973.0	977.2	963.3	912.6	900.0	855.9	817.3
37.5°	983.8	985.9	1008.8	1035.3	1050.9	1050.2	1024.8	969.2	955.0	907.0	864.2
40°	1065.5	1070.0	1093.0	1122.5	1137.5	1135.4	1096.5	1034.6	1020.0	963.3	921.6
42.5°	1140.6	1147.9	1174.7	1204.9	1221.3	1219.9	1179.2	1109.7	1095.4	1031.4	989.7
45°	1200.4	1208.0	1241.4	1283.5	1309.6	1307.1	1266.1	1187.5	1170.2	1103.1	1057.2
47.5°	1252.9	1260.9	1298.1	1342.6	1384.0	1388.1	1350.6	1266.1	1247.7	1179.9	1128.1
50°	1293.2	1297.0	1338.8	1387.4	1435.4	1458.7	1426.0	1345.0	1322.8	1255.7	1197.3
52.5°	1290.1	1295.3	1346.8	1412.8	1477.1	1515.4	1492.8	1419.4	1397.9	1324.9	1267.8
55°	1226.5	1231.7	1292.9	1389.2	1500.4	1556.7	1554.3	1490.3	1474.7	1395.4	1341.2
57.5°	1133.7	1145.1	1206.0	1309.9	1469.8	1589.8	1599.5	1555.0	1538.7	1464.6	1413.8
60°	967.5	982.8	1053.0	1187.9	1371.8	1578.6	1647.8	1609.6	1599.5	1528.9	1479.6
62.5°	702.9	714.1	807.6	984.5	1226.5	1499.4	1688.5	1665.9	1658.2	1586.6	1539.0
65°	421.0	446.4	521.5	696.3	989.4	1349.9	1666.2	1739.6	1731.6	1646.1	1589.8
67.5°	213.1	224.6	254.1	377.5	665.4	1117.0	1554.6	1785.5	1795.2	1696.8	1607.8
70°	132.1	135.2	143.6	186.3	332.3	733.9	1271.3	1665.9	1713.5	1688.8	1560.9
72.5°	106.0	106.7	108.1	116.1	159.6	343.1	803.7	1304.7	1390.6	1577.2	1493.8
75°	88.0	88.3	88.6	91.1	99.4	140.1	391.1	896.6	997.0	1340.5	1385.0
77.5°	70.6	68.8	70.2	71.3	73.4	78.2	134.9	478.4	580.2	879.9	1071.1
80°	45.9	45.2	48.0	49.0	51.1	54.2	72.0	162.3	197.1	320.2	340.7
82.5°	24.7	23.3	29.2	28.2	29.2	31.6	42.4	59.4	66.7	96.6	81.7
85°	7.6	7.6	8.0	9.4	11.5	11.1	18.4	29.2	32.3	41.4	30.6
87.5°	1.4	1.4	1.4	1.4	1.4	1.7	3.8	5.9	8.0	14.3	10.8
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°	505.5	505.5	505.5	505.5	505.5	505.5	505.5	505.5	505.5	505.5	505.5
2.5°	512.4	509.3	511.0	512.1	511.7	511.0	507.6	506.9	505.1	502.3	501.6
5°	527.7	524.2	524.6	523.5	520.1	515.5	507.9	504.1	500.9	497.5	497.1
7.5°	551.7	547.9	546.8	542.0	532.2	521.8	509.6	502.7	497.5	493.0	492.3
10°	582.3	578.5	575.0	563.5	547.5	533.6	517.6	507.6	499.9	494.3	493.3
12.5°	616.4	613.2	604.5	587.9	568.7	552.4	536.1	523.5	512.4	504.1	503.0
15°	654.3	647.3	634.1	612.5	594.5	581.3	561.4	544.4	526.7	515.5	513.1
17.5°	680.7	674.8	659.1	638.3	624.0	612.5	589.2	564.9	540.9	524.6	521.1
20°	699.5	693.2	675.5	660.2	655.6	645.9	618.8	590.6	562.8	542.7	538.1
22.5°	713.0	706.4	688.3	680.7	686.9	685.2	658.8	626.8	593.8	569.8	564.2
25°	725.9	719.6	703.6	706.4	723.1	728.3	699.8	662.6	625.1	596.9	590.3
27.5°	738.0	730.0	722.7	738.0	761.7	771.4	741.2	699.1	658.4	629.6	624.4
30°	756.8	747.4	746.4	768.6	806.2	814.5	781.1	739.1	698.8	669.6	662.9
32.5°	780.5	771.8	772.5	805.8	849.3	856.2	827.7	788.4	748.1	718.9	709.9
35°	812.4	801.7	807.6	848.6	892.4	905.3	882.3	849.6	810.3	780.5	770.4
37.5°	856.6	840.9	853.1	896.2	940.4	959.5	941.8	917.4	878.5	848.2	838.9
40°	912.9	900.0	904.9	952.5	998.1	1021.0	1009.9	985.9	947.3	915.7	904.9
42.5°	979.6	966.8	965.0	1015.8	1061.3	1096.1	1085.3	1063.4	1023.5	987.3	976.9
45°	1045.0	1033.2	1035.6	1087.4	1138.5	1176.4	1165.6	1139.9	1096.5	1054.7	1046.4
47.5°	1113.1	1103.4	1105.5	1160.4	1216.7	1254.6	1241.1	1209.8	1159.0	1114.5	1104.5
50°	1183.0	1171.9	1175.0	1232.7	1293.6	1329.4	1308.5	1262.3	1206.3	1162.9	1154.2
52.5°	1252.5	1239.3	1247.3	1301.9	1364.8	1393.3	1354.8	1298.8	1244.5	1201.4	1191.7
55°	1332.5	1318.6	1309.9	1368.3	1430.5	1442.4	1389.5	1324.2	1259.8	1210.8	1204.9
57.5°	1405.5	1393.7	1377.3	1435.8	1481.6	1472.9	1416.3	1317.2	1222.6	1159.7	1151.4
60°	1470.9	1460.8	1446.5	1496.2	1517.1	1497.6	1394.7	1234.8	1130.9	1065.2	1061.3
62.5°	1531.0	1520.2	1507.0	1549.4	1546.6	1501.5	1296.7	1108.3	969.2	898.6	892.4
65°	1578.6	1568.9	1565.1	1598.4	1593.9	1426.7	1144.1	901.1	708.1	628.5	626.1
67.5°	1592.2	1588.4	1608.9	1665.5	1595.0	1276.5	897.3	597.6	380.3	304.9	300.4
70°	1541.4	1541.1	1599.8	1680.8	1450.4	975.1	529.5	269.4	191.2	169.6	166.9
72.5°	1475.4	1474.3	1520.9	1450.0	1075.6	533.6	222.8	144.3	119.6	113.7	113.7
75°	1366.9	1364.1	1399.2	1103.1	604.9	200.9	118.2	99.1	93.9	92.8	92.8
77.5°	1114.2	1090.9	1035.6	681.7	211.0	98.7	78.2	77.9	74.7	74.4	74.4
80°	366.4	366.4	425.9	260.0	93.2	60.8	55.3	58.1	54.9	52.8	52.5
82.5°	59.8	82.4	117.2	74.4	50.4	37.9	34.1	36.2	37.9	30.2	30.2
85°	23.6	30.9	45.2	34.8	23.3	15.3	16.3	18.1	16.0	13.9	13.6
87.5°	9.0	11.1	16.0	8.3	4.9	2.8	1.7	1.7	1.4	1.4	1.4
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)