

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: P630216

Luminaire Tested: GWS-SA1D-730-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630216
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-730-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) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3578.8 lumens
Efficiency: N/A
Efficacy: 80.8 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

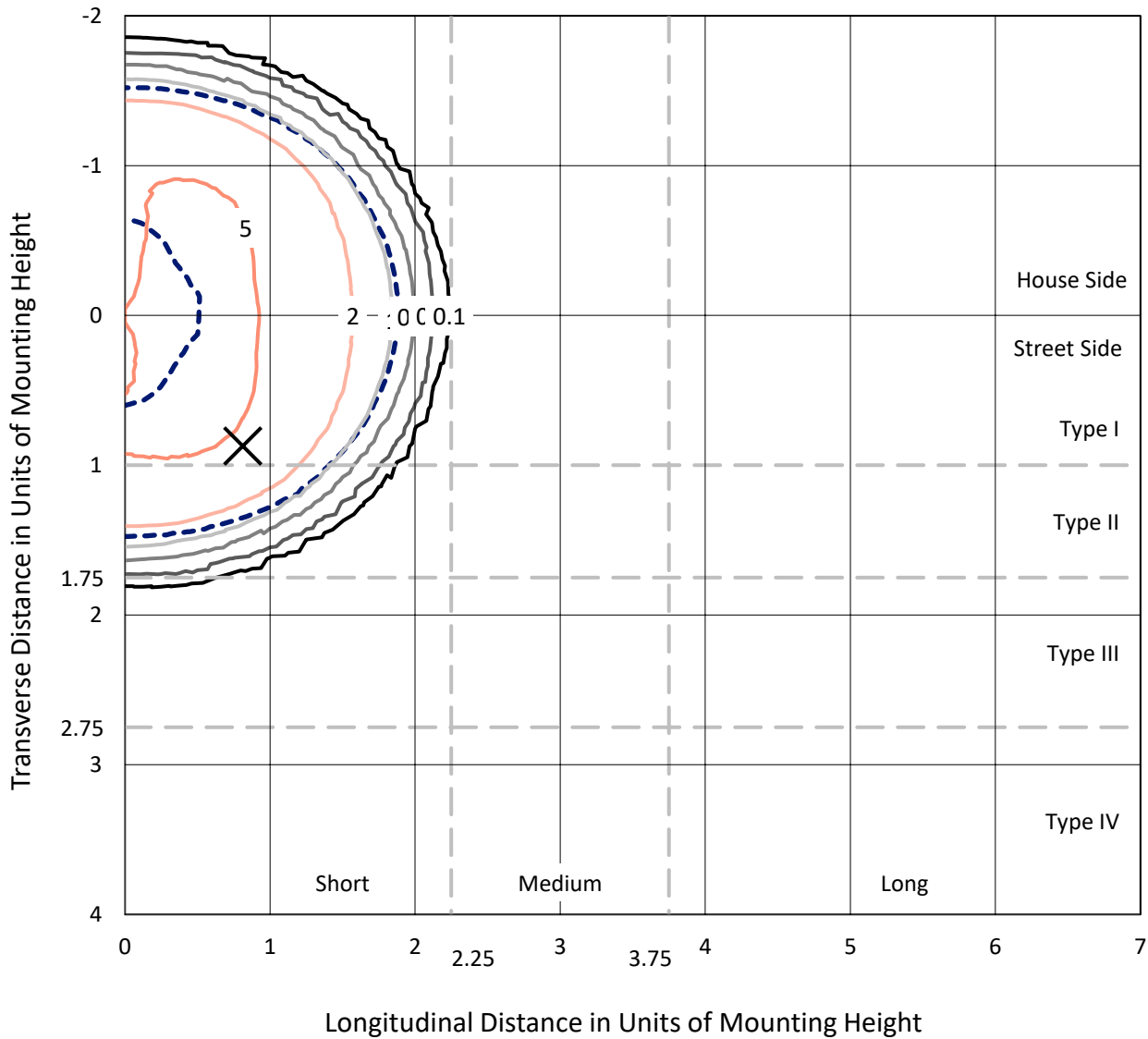
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

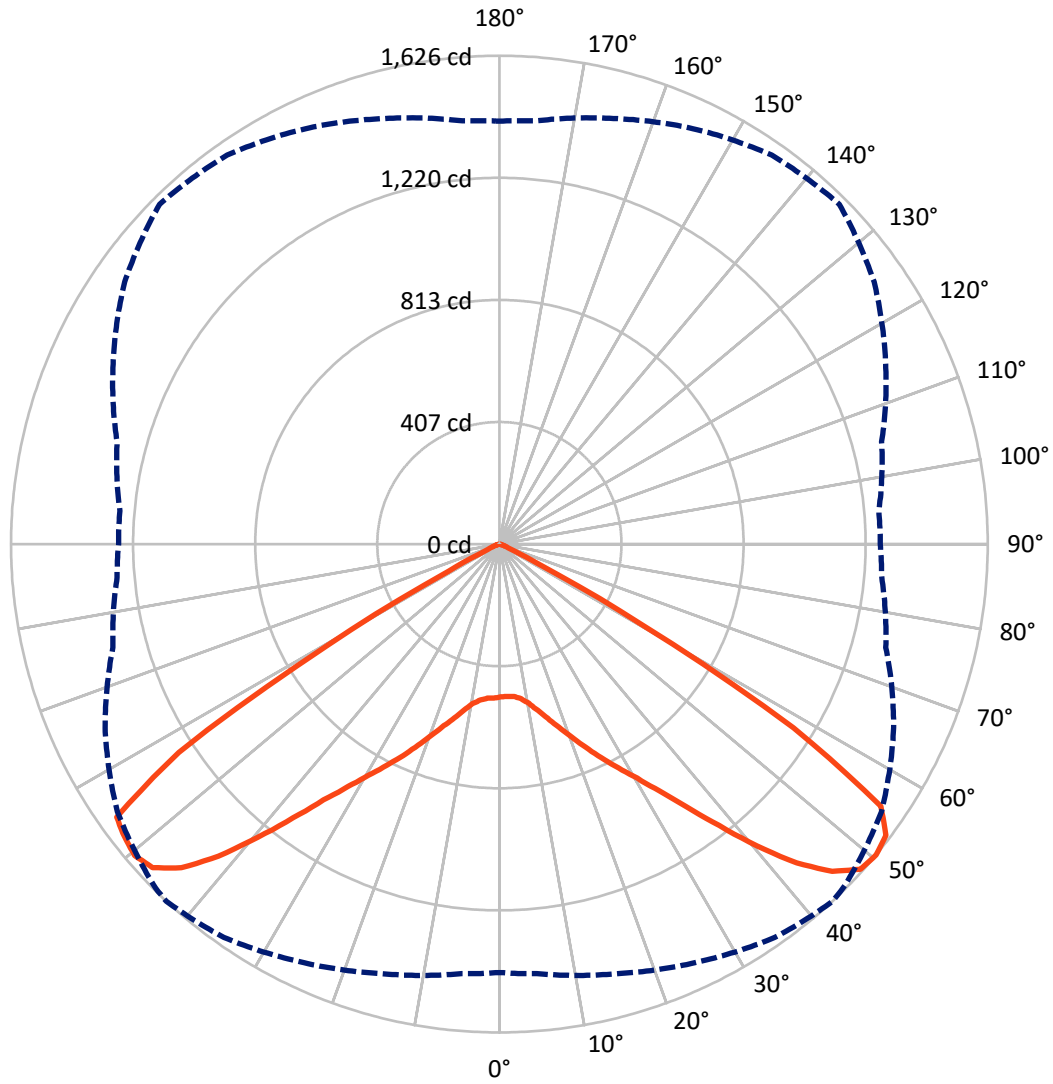
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 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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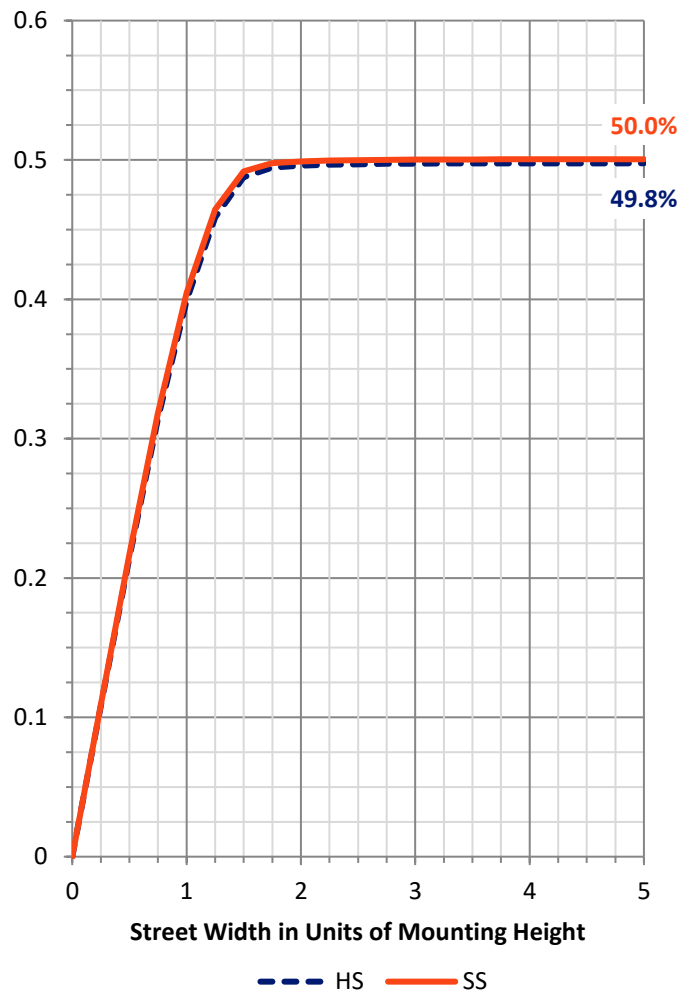
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1789.4	0.0	1789.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1789.4	0.0	1789.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	3578.8	0.0	3578.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.1	1.4
10°-20°	172.5	4.8
20°-30°	349.0	9.8
30°-40°	647.5	18.1
40°-50°	1074.8	30.0
50°-60°	1096.9	30.7
60°-70°	179.9	5.0
70°-80°	7.9	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°	3578.8	100.0
0°-180°	3578.8	100.0

Coefficient of Utilization



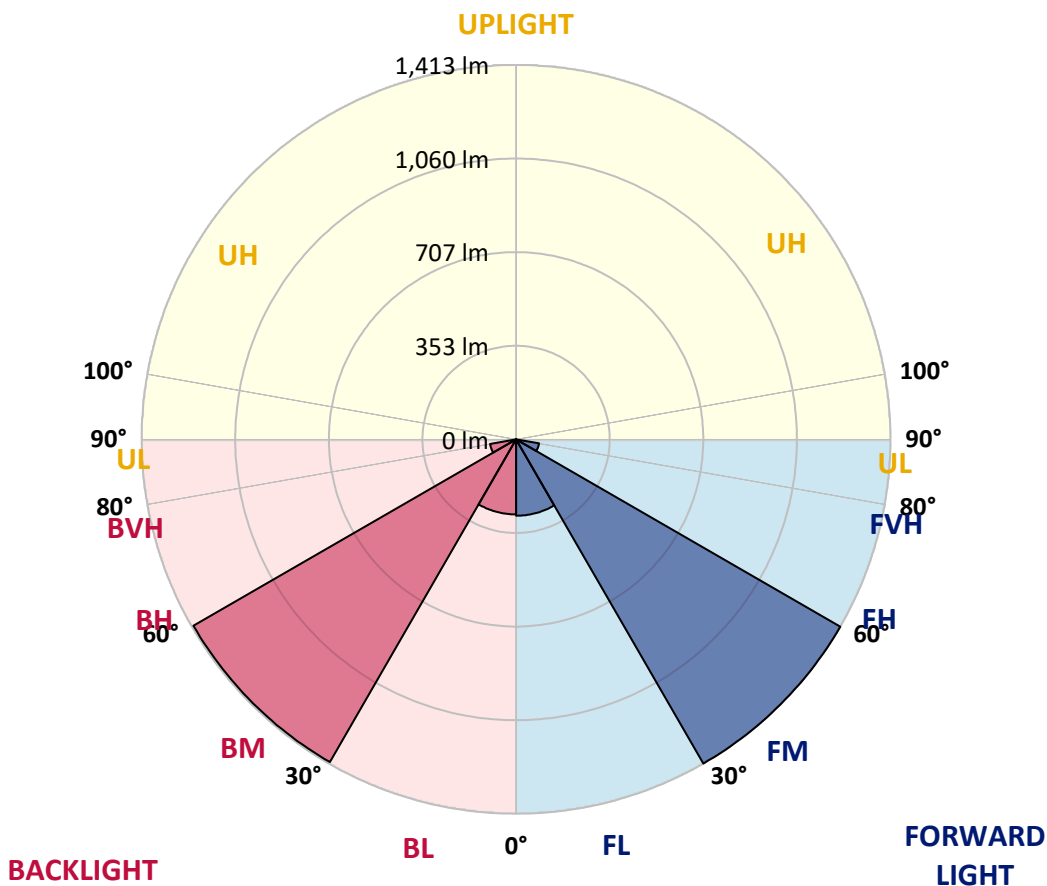
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	288.3	8.1			
FM (30°-60°)	1413.1	39.5			
FH (60°-80°)	88.0	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	283.3	7.9	B1/500		
BM (30°-60°)	1406.2	39.3	B2/2500		
BH (60°-80°)	99.8	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°	509.0	509.0	509.0	509.0	509.0	509.0	509.0	509.0	509.0	509.0	509.0
2.5°	499.5	500.7	502.3	503.9	505.9	507.8	509.0	512.6	511.8	515.0	515.0
5°	494.0	495.2	497.2	500.7	505.1	509.4	512.6	519.7	523.7	530.0	532.4
7.5°	496.8	498.3	500.7	506.3	513.0	519.7	523.3	534.8	542.7	554.5	561.3
10°	505.9	507.4	511.4	520.9	529.6	539.1	543.5	558.1	570.8	587.0	596.5
12.5°	516.2	518.1	526.0	540.3	555.3	568.0	573.9	590.2	603.2	621.4	636.5
15°	526.8	530.0	542.3	563.3	584.6	601.7	608.0	625.4	638.5	657.9	674.9
17.5°	551.8	555.3	569.2	591.8	621.0	640.8	646.4	664.6	674.5	687.5	705.4
20°	583.0	589.8	606.8	634.1	666.2	685.2	689.1	706.9	706.1	711.7	727.1
22.5°	621.8	626.6	645.2	677.6	713.7	734.6	743.8	751.3	741.4	736.6	746.5
25°	662.2	667.8	687.9	723.6	763.9	788.1	795.6	801.5	785.7	767.9	769.1
27.5°	714.5	718.4	738.2	776.2	816.6	843.9	850.6	860.9	839.9	811.4	803.5
30°	776.6	780.6	801.5	841.5	881.5	904.9	915.1	927.8	904.9	869.2	860.1
32.5°	849.4	853.4	880.3	921.5	954.3	979.7	989.6	1003.0	984.8	944.8	934.5
35°	936.5	938.9	970.6	1015.3	1050.1	1074.7	1081.4	1097.2	1077.0	1037.1	1031.5
37.5°	1037.5	1040.2	1074.7	1126.5	1162.1	1189.4	1200.1	1204.5	1179.9	1135.2	1130.9
40°	1148.3	1157.4	1191.0	1246.8	1286.8	1321.3	1330.8	1316.1	1281.7	1220.7	1212.8
42.5°	1263.9	1271.8	1309.4	1369.9	1416.3	1451.5	1451.9	1420.2	1361.6	1277.3	1265.4
45°	1360.0	1363.2	1411.9	1472.9	1529.9	1554.8	1557.2	1499.8	1411.5	1310.2	1284.8
47.5°	1426.1	1431.3	1473.6	1532.2	1595.2	1617.7	1613.0	1541.3	1435.3	1331.5	1289.6
50°	1426.9	1435.6	1481.6	1538.2	1599.1	1626.4	1619.7	1553.2	1448.7	1332.3	1278.1
52.5°	1300.7	1314.9	1389.7	1471.7	1565.1	1611.8	1613.4	1568.6	1443.6	1319.7	1267.8
55°	981.2	996.7	1090.9	1230.6	1411.1	1541.3	1563.9	1550.4	1437.6	1325.2	1286.0
57.5°	519.3	507.4	559.7	698.2	925.0	1155.4	1221.5	1329.2	1371.5	1331.9	1319.7
60°	113.2	120.7	160.7	216.5	361.0	543.5	608.0	792.4	1011.7	1109.1	1179.6
62.5°	48.7	47.9	49.9	56.6	82.7	137.7	168.2	274.7	433.4	595.3	705.0
65°	40.0	40.4	42.0	42.0	39.2	39.6	41.6	62.9	101.3	142.1	190.8
67.5°	30.1	30.5	33.2	34.0	32.1	28.5	28.1	23.7	24.9	31.3	32.5
70°	19.0	19.0	20.6	21.4	21.4	19.8	19.4	17.0	16.6	19.0	21.4
72.5°	10.3	10.3	11.1	11.5	11.1	10.7	10.7	10.3	9.9	11.5	14.6
75°	4.4	4.4	4.7	4.7	4.4	4.4	4.4	4.4	4.4	5.1	7.9
77.5°	0.8	1.2	1.6	1.2	0.8	0.8	0.8	1.2	1.2	1.6	2.4
80°	0.4	0.4	0.8	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°	509.0	509.0	509.0	509.0	509.0	509.0	509.0	509.0	509.0	509.0	509.0
2.5°	517.7	513.4	515.0	515.8	514.6	513.8	509.4	508.2	506.3	503.1	502.3
5°	535.2	531.6	531.2	528.8	523.3	516.5	508.2	504.7	500.7	496.8	496.0
7.5°	564.4	560.1	557.3	549.4	536.7	526.0	512.2	504.7	499.5	494.4	493.2
10°	602.0	596.9	589.0	574.3	557.3	541.9	525.7	515.8	507.8	500.7	500.3
12.5°	642.0	636.5	622.2	603.6	583.0	568.8	548.2	534.4	522.5	511.8	510.6
15°	684.0	677.3	657.9	635.7	616.7	602.0	579.5	557.3	539.1	523.7	522.1
17.5°	716.0	707.7	684.8	668.1	652.7	637.7	612.3	583.0	558.9	540.3	535.9
20°	736.2	728.3	706.5	697.4	690.3	679.6	649.5	619.1	592.2	569.2	565.2
22.5°	755.6	746.1	727.1	727.1	732.7	728.3	695.9	661.0	629.4	602.8	596.9
25°	777.4	769.9	756.4	767.5	781.4	781.0	747.7	704.2	667.8	638.1	632.1
27.5°	809.1	801.5	796.8	817.8	835.2	834.0	797.6	750.5	712.1	682.8	677.3
30°	864.9	857.7	852.6	877.9	900.1	891.8	851.8	806.3	767.5	734.3	730.3
32.5°	939.3	931.8	925.0	950.4	970.2	959.5	921.5	878.7	834.0	801.5	793.6
35°	1037.1	1021.2	1014.5	1044.6	1052.9	1041.0	1004.6	967.0	919.5	882.3	877.1
37.5°	1138.0	1119.4	1114.6	1140.8	1154.2	1149.9	1107.1	1067.9	1016.5	975.3	969.4
40°	1224.3	1207.3	1198.9	1239.7	1270.2	1273.0	1234.6	1186.7	1126.1	1083.4	1072.7
42.5°	1274.9	1260.3	1258.3	1321.7	1371.5	1407.1	1361.2	1311.8	1248.0	1199.7	1191.0
45°	1286.4	1276.9	1293.5	1376.7	1454.3	1519.2	1480.0	1427.7	1358.9	1307.8	1299.5
47.5°	1285.2	1282.1	1311.8	1405.2	1503.3	1583.3	1563.9	1504.9	1438.4	1385.0	1377.1
50°	1268.2	1268.6	1318.1	1419.4	1523.1	1600.7	1581.3	1526.7	1467.3	1414.7	1408.3
52.5°	1261.5	1259.1	1306.2	1415.1	1543.3	1592.8	1549.2	1487.9	1421.8	1356.9	1347.4
55°	1285.2	1279.3	1307.8	1411.5	1545.7	1588.4	1473.6	1340.7	1205.3	1128.5	1122.2
57.5°	1320.9	1314.5	1328.0	1385.4	1421.8	1320.9	1084.6	870.0	730.7	671.7	646.0
60°	1179.6	1175.2	1164.9	1095.6	939.7	708.9	482.9	307.9	221.3	178.9	178.9
62.5°	731.9	725.9	670.1	497.9	361.8	209.4	115.2	72.0	54.6	51.1	50.7
65°	205.4	204.2	169.0	119.5	76.0	47.1	41.6	42.4	41.6	40.4	40.0
67.5°	30.9	34.0	34.0	27.7	26.5	29.7	34.8	37.2	35.2	33.2	32.5
70°	19.8	21.4	20.6	17.8	19.0	22.2	24.9	25.3	24.1	22.2	21.8
72.5°	13.9	15.4	12.7	11.5	11.9	13.1	14.2	14.2	13.9	13.1	12.3
75°	8.3	8.3	5.9	5.5	5.5	5.9	5.9	6.7	6.7	6.3	5.9
77.5°	2.8	3.2	2.0	1.6	1.6	1.6	2.0	2.4	2.4	2.0	1.6
80°	0.4	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	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)