

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: P630109

Luminaire Tested: GWS-SA1D-722-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630109
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-722-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2622.7 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

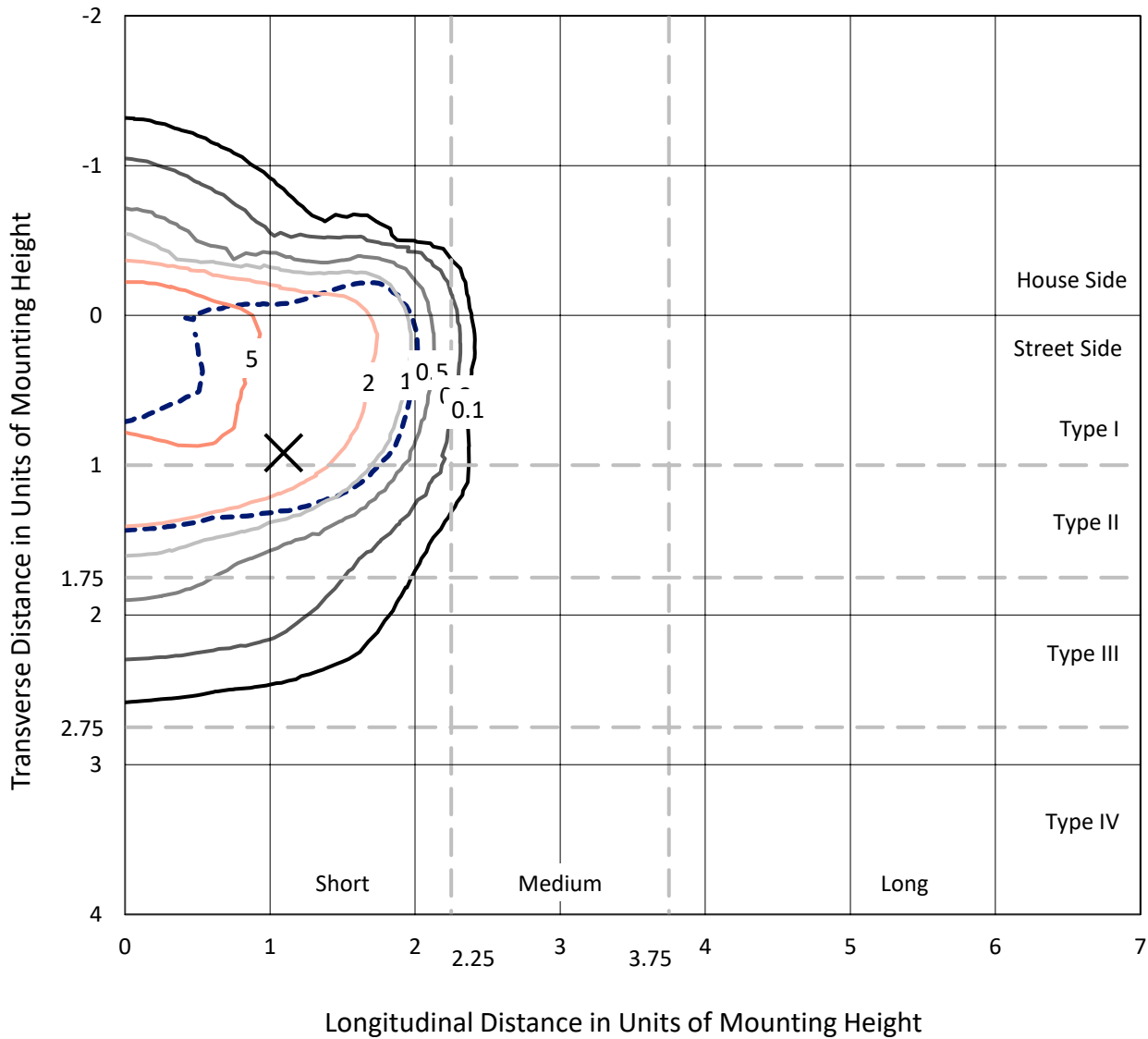
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

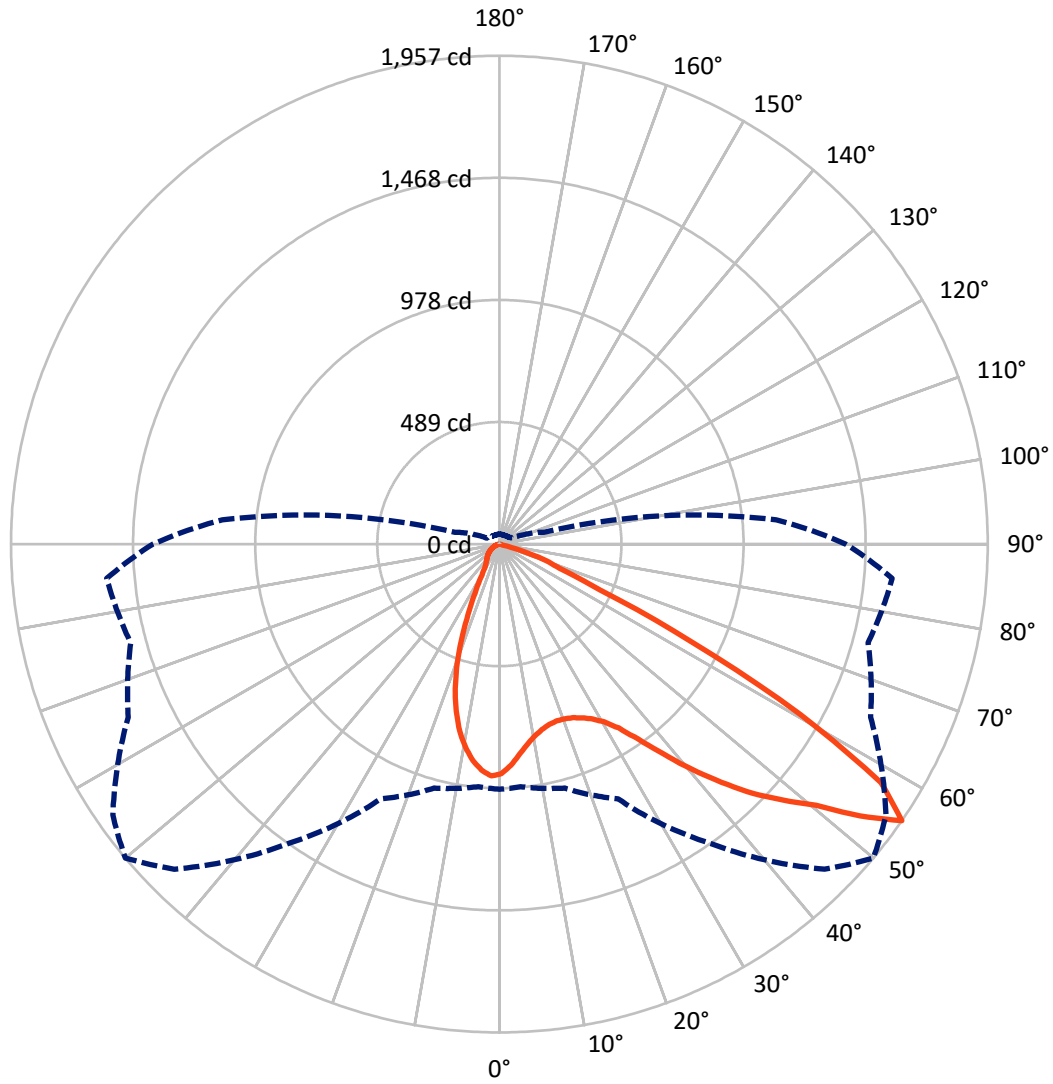
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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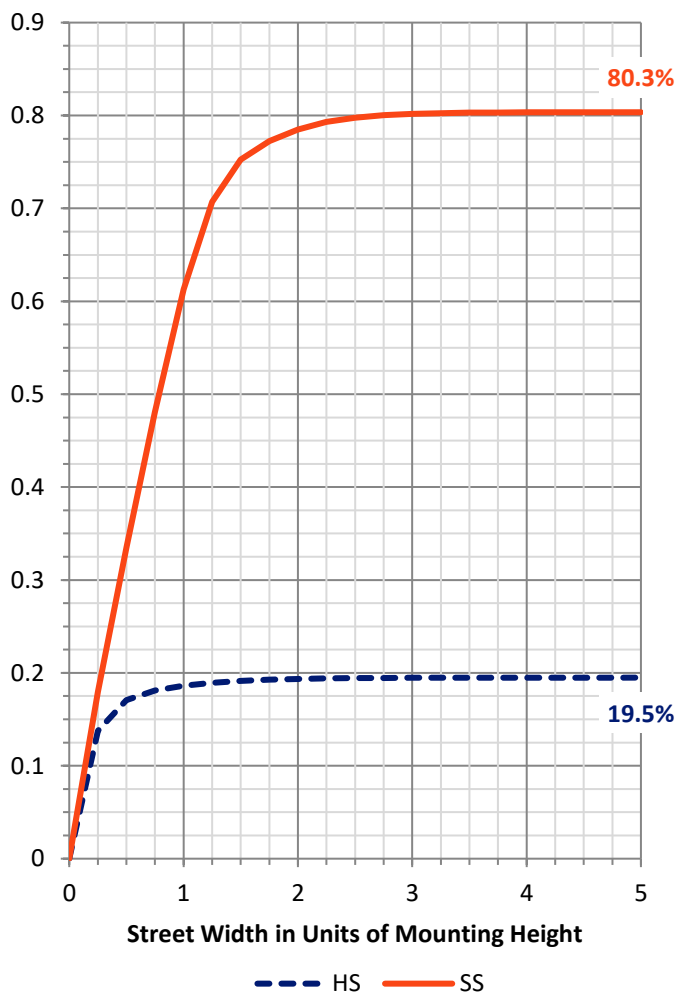
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	516.8	0.0	516.8
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	2105.9	0.0	2105.9
	% Fixture	80.3	0.0	80.3
Total	Lumens	2622.7	0.0	2622.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.8	3.1
10°-20°	198.9	7.6
20°-30°	280.5	10.7
30°-40°	415.1	15.8
40°-50°	598.8	22.8
50°-60°	706.4	26.9
60°-70°	315.1	12.0
70°-80°	27.1	1.0
80°-90°	0.0	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°	2622.7	100.0
0°-180°	2622.7	100.0

Coefficient of Utilization



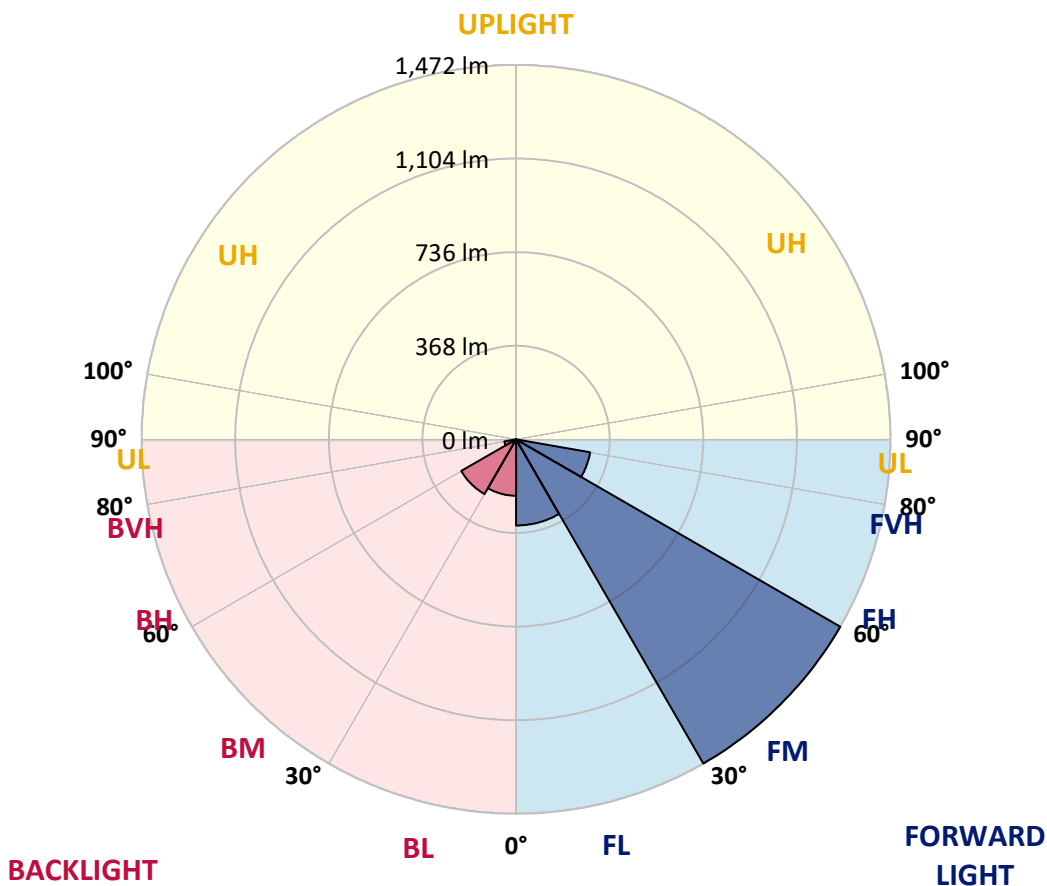
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	338.6	12.9			
FM (30°-60°)	1471.8	56.1			
FH (60°-80°)	295.5	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	221.6	8.4	B1/500		
BM (30°-60°)	248.5	9.5	B1/1000		
BH (60°-80°)	46.7	1.8	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	920.2	920.2	920.2	920.2	920.2	920.2	920.2	920.2	920.2	920.2	920.2
2.5°	854.9	855.5	855.8	864.5	867.7	880.5	887.2	890.7	900.0	910.9	919.9
5°	797.6	796.6	798.2	809.1	816.1	835.0	845.3	852.3	872.8	898.4	919.9
7.5°	747.6	749.5	751.5	763.3	773.9	794.4	809.1	819.7	848.1	886.3	922.4
10°	712.4	712.4	715.3	728.7	741.2	766.5	781.2	794.7	828.6	875.4	925.3
12.5°	686.5	686.8	690.3	705.7	720.1	746.3	761.7	774.8	812.3	864.5	926.0
15°	674.3	673.3	676.2	692.5	708.6	733.2	749.2	762.0	800.8	858.4	929.2
17.5°	671.1	670.5	672.7	688.7	705.0	729.0	744.7	757.5	799.2	860.3	938.8
20°	680.4	679.1	678.1	691.9	707.3	731.0	747.3	761.7	806.8	870.9	953.5
22.5°	702.5	702.5	700.2	707.0	717.2	738.6	755.6	774.5	827.0	892.0	975.3
25°	743.1	739.9	735.8	738.6	737.4	750.8	771.0	797.2	865.1	926.9	1001.8
27.5°	789.6	792.4	785.4	785.7	774.5	769.7	793.1	832.8	921.8	976.2	1041.2
30°	852.6	850.4	850.7	849.8	823.8	801.1	826.4	879.2	993.2	1051.5	1092.4
32.5°	901.9	905.1	915.7	921.8	887.9	851.4	878.2	942.3	1074.5	1137.3	1155.2
35°	954.1	959.9	981.3	1001.2	972.7	930.8	959.6	1025.8	1151.0	1222.1	1227.2
37.5°	1009.2	1020.7	1046.3	1081.2	1076.8	1039.6	1065.9	1124.1	1211.2	1273.3	1286.8
40°	1072.3	1083.5	1125.4	1175.7	1186.3	1177.9	1186.6	1220.5	1250.9	1275.6	1312.4
42.5°	1141.4	1156.8	1209.9	1277.2	1316.9	1324.3	1304.1	1300.6	1268.2	1250.0	1307.0
45°	1223.1	1241.0	1301.2	1388.3	1451.4	1461.3	1426.4	1381.2	1279.1	1231.1	1290.6
47.5°	1314.6	1331.6	1391.5	1496.2	1590.0	1593.8	1533.0	1460.3	1311.4	1252.9	1303.1
50°	1345.4	1356.0	1407.8	1530.8	1703.7	1733.1	1645.1	1549.3	1376.4	1316.9	1364.0
52.5°	1239.7	1243.9	1289.0	1413.3	1680.6	1869.8	1808.7	1682.2	1492.0	1414.5	1457.8
55°	982.3	975.6	1012.1	1126.1	1460.6	1842.0	1956.9	1891.0	1640.9	1529.2	1579.8
57.5°	687.1	679.1	670.8	747.9	1089.9	1561.5	1803.2	1920.1	1782.7	1642.8	1711.3
60°	564.8	557.1	516.8	481.2	658.9	1121.3	1385.1	1605.0	1771.2	1637.1	1707.2
62.5°	487.9	483.5	467.1	418.8	387.7	640.0	867.4	1078.0	1359.2	1285.5	1289.4
65°	383.3	382.0	393.2	398.3	342.9	354.1	442.5	560.3	734.8	692.9	657.0
67.5°	261.9	259.0	280.2	344.5	329.8	279.5	259.0	261.3	317.9	194.3	154.3
70°	166.5	159.8	160.1	213.6	268.3	220.6	199.8	175.8	158.2	28.8	32.7
72.5°	106.6	102.5	88.0	96.4	124.2	107.6	108.5	93.5	62.4	15.4	17.9
75°	44.8	41.3	31.7	25.3	25.0	15.7	13.8	12.8	8.6	8.6	9.3
77.5°	0.3	0.0	0.0	0.3	0.6	0.3	0.3	0.6	1.3	1.9	2.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	920.2	920.2	920.2	920.2	920.2	920.2	920.2	920.2	920.2	920.2	920.2
2.5°	925.3	917.6	926.3	929.5	929.2	929.5	920.2	913.8	913.5	905.5	901.6
5°	928.8	922.8	929.2	925.0	915.1	902.6	885.9	871.5	865.1	855.8	851.4
7.5°	935.6	929.2	928.2	911.5	886.9	860.6	831.2	804.9	790.8	773.9	774.8
10°	940.4	933.0	920.5	886.6	845.6	803.6	759.8	720.7	696.1	673.3	669.5
12.5°	942.3	931.4	902.3	851.0	793.4	738.6	674.3	618.6	580.2	550.4	546.2
15°	945.8	928.2	878.9	808.1	729.0	651.6	569.6	493.4	442.5	408.2	411.1
17.5°	951.2	924.7	852.6	760.1	659.9	550.4	439.6	352.2	305.4	285.6	285.9
20°	958.9	920.5	823.8	707.3	577.0	436.1	307.4	241.4	228.3	227.6	226.7
22.5°	969.2	916.3	793.1	649.3	478.7	305.4	204.6	184.1	189.5	200.1	202.0
25°	981.3	911.2	758.8	584.0	371.4	200.4	153.4	150.2	163.3	177.4	180.6
27.5°	1000.2	908.7	719.8	509.7	260.6	143.8	125.5	127.4	139.3	151.1	154.0
30°	1032.3	913.5	677.2	426.5	167.5	114.6	108.9	111.7	118.1	124.2	126.8
32.5°	1075.8	927.6	635.9	335.5	119.4	99.6	98.3	99.9	102.5	106.0	106.9
35°	1126.7	951.9	593.3	240.1	98.6	90.9	89.6	89.6	90.9	91.6	91.9
37.5°	1168.6	977.5	553.3	159.8	88.4	84.2	82.3	81.3	81.0	81.6	82.0
40°	1186.9	988.1	509.7	116.2	81.0	78.1	75.2	72.4	72.4	74.6	74.9
42.5°	1174.1	976.2	459.5	96.1	75.9	71.7	67.2	64.7	66.0	68.2	68.8
45°	1146.9	947.1	404.1	84.8	70.8	65.3	60.2	58.6	59.9	62.8	63.4
47.5°	1142.4	927.9	337.8	77.5	65.3	59.9	54.4	52.8	54.4	56.7	57.3
50°	1186.9	944.5	264.1	71.1	60.2	54.1	49.6	48.0	49.0	50.3	50.9
52.5°	1268.2	1006.3	213.2	65.0	54.1	48.3	45.5	43.5	43.5	44.8	45.1
55°	1388.3	1114.2	184.1	58.0	47.1	43.9	41.3	39.4	39.4	40.0	40.3
57.5°	1526.6	1244.8	190.8	48.7	41.3	39.7	37.5	35.9	36.5	36.5	36.5
60°	1507.4	1235.2	204.3	41.0	36.5	35.9	33.9	33.3	34.9	33.6	33.0
62.5°	1110.4	853.3	106.9	33.6	31.4	30.7	29.5	30.7	33.0	29.5	28.2
65°	539.2	413.0	42.9	27.5	26.6	25.9	25.3	27.2	28.5	23.1	21.8
67.5°	126.8	103.1	27.9	23.4	22.1	20.8	21.5	21.8	20.8	15.7	15.0
70°	33.0	32.3	21.8	19.5	17.6	16.3	16.3	16.0	13.8	9.9	9.3
72.5°	17.9	17.6	15.7	14.7	12.2	10.9	11.2	9.9	7.7	5.8	5.4
75°	9.0	9.6	9.0	8.3	6.7	6.1	6.1	5.4	3.8	2.2	2.2
77.5°	1.9	2.2	2.2	1.9	1.6	1.3	1.3	1.6	0.6	0.0	0.0
80°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

(END OF REPORT)