

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: P630331

Luminaire Tested: GWS-SA1D-740-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630331
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-740-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4806.9 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

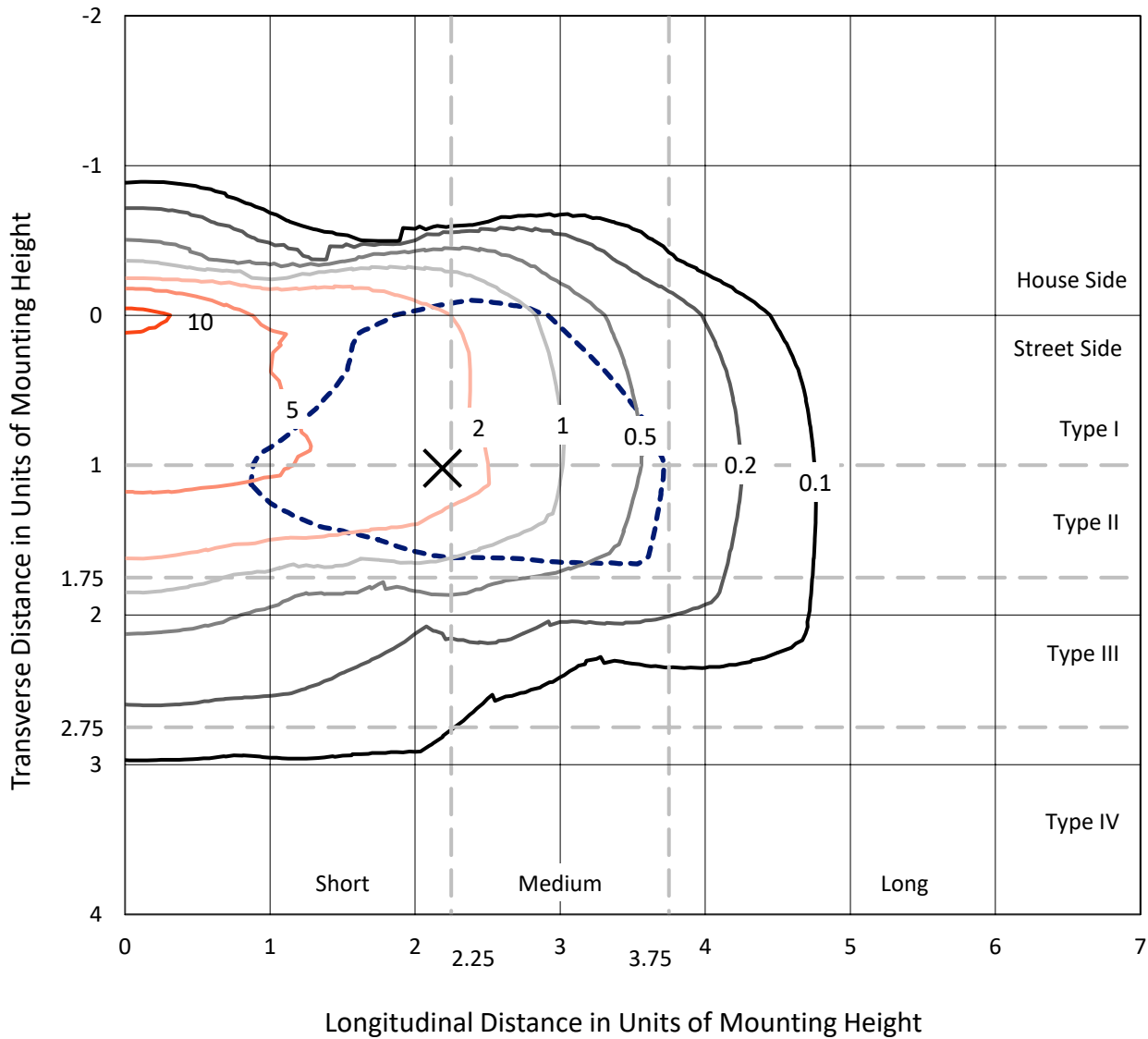
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

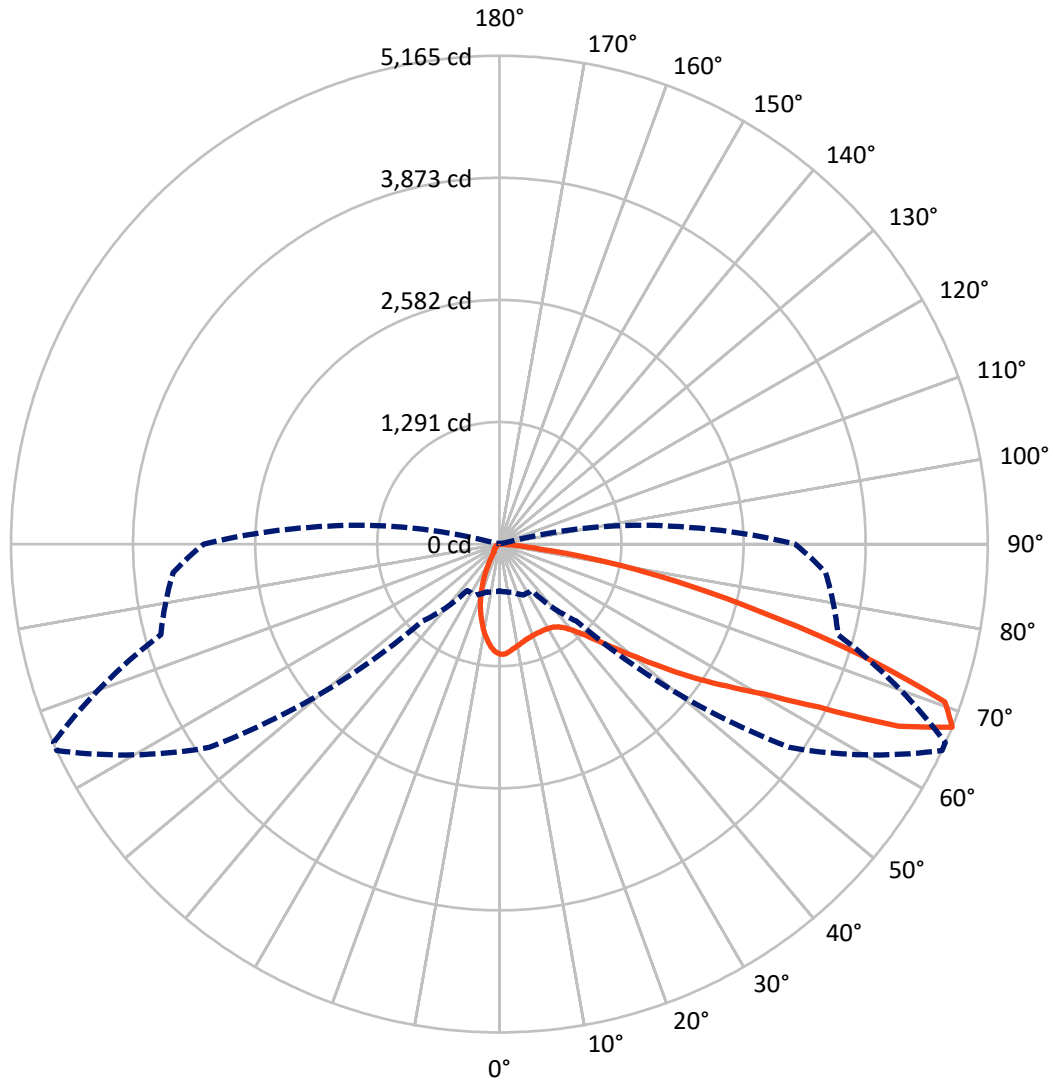
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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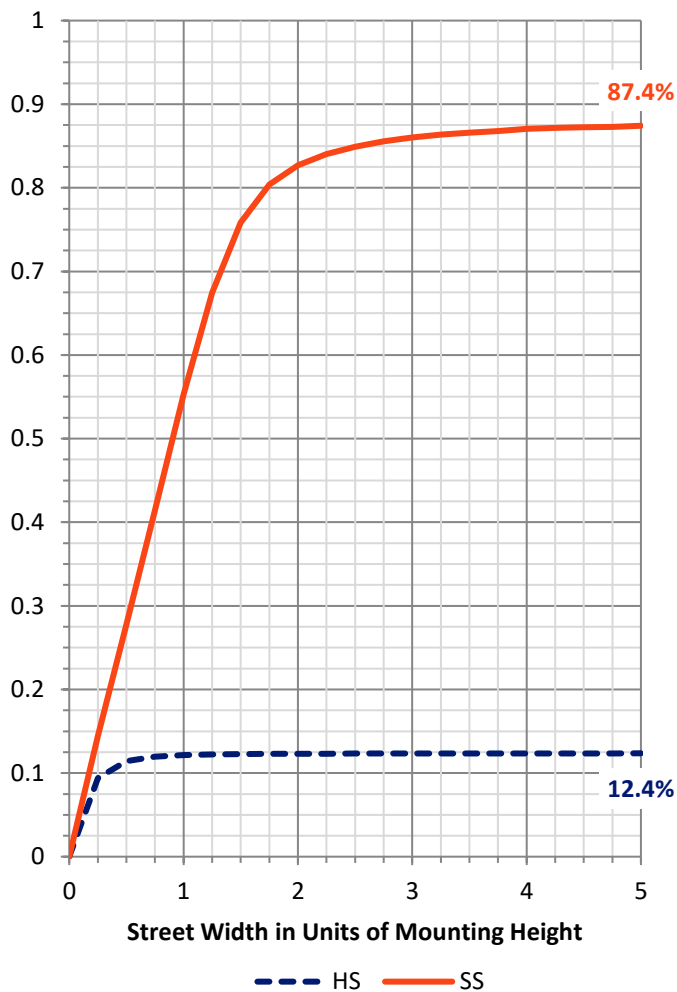
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	600.2	0.0	600.2
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	4206.7	0.0	4206.7
	% Fixture	87.5	0.0	87.5
Total	Lumens	4806.9	0.0	4806.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.8	2.0
10°-20°	217.7	4.5
20°-30°	311.0	6.5
30°-40°	452.5	9.4
40°-50°	708.7	14.7
50°-60°	1105.6	23.0
60°-70°	1214.4	25.3
70°-80°	646.3	13.4
80°-90°	53.8	1.1
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°	4806.9	100.0
0°-180°	4806.9	100.0

Coefficient of Utilization



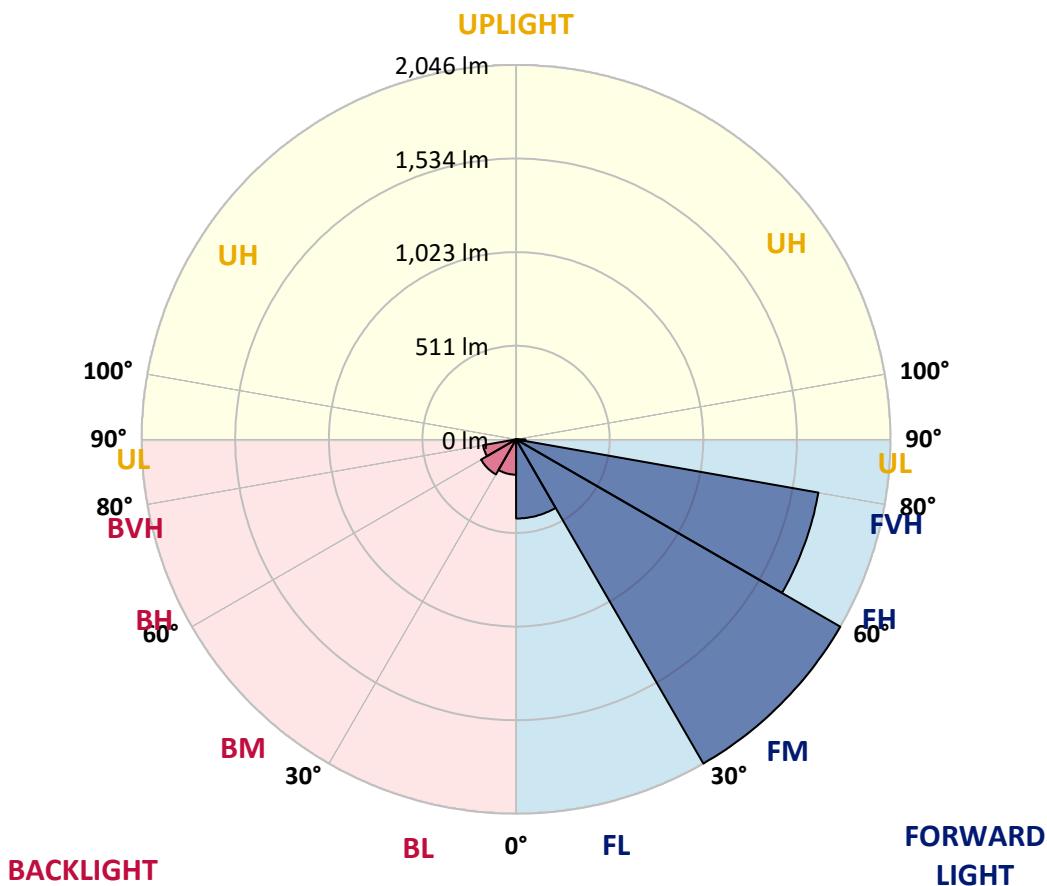
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	432.6	9.0			
FM (30°-60°)	2045.7	42.6			
FH (60°-80°)	1677.4	34.9			G1/1800
FVH (80°-90°)	50.9	1.1			G1/100
BL (0°-30°)	192.9	4.0	B1/500		
BM (30°-60°)	221.1	4.6	B1/1000		
BH (60°-80°)	183.3	3.8	B1/500		G1/500
BVH (80°-90°)	2.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8
2.5°	1125.4	1128.9	1124.1	1135.8	1138.0	1151.0	1158.4	1163.7	1163.2	1169.7	1169.7
5°	1059.3	1062.8	1060.2	1072.8	1082.8	1103.2	1120.2	1139.7	1140.6	1160.6	1168.0
7.5°	1003.3	1003.7	1003.7	1019.3	1032.4	1057.6	1082.8	1112.8	1116.3	1147.1	1166.7
10°	957.2	958.5	958.9	976.7	991.1	1021.5	1053.7	1089.8	1093.7	1135.4	1165.8
12.5°	925.4	925.9	927.6	946.3	962.0	993.7	1026.3	1067.6	1072.8	1121.9	1161.9
15°	910.2	909.4	910.2	925.9	941.5	972.0	1005.4	1049.8	1055.4	1110.6	1162.3
17.5°	909.4	908.1	907.2	918.9	928.9	955.9	989.8	1038.0	1044.1	1105.4	1167.1
20°	922.0	921.1	916.8	922.0	924.1	946.3	979.8	1028.9	1035.0	1104.5	1177.6
22.5°	955.0	952.8	946.3	941.5	929.8	942.8	972.8	1022.4	1029.3	1106.7	1191.0
25°	1004.1	1003.3	995.0	983.3	953.3	948.0	973.3	1022.4	1028.9	1109.3	1205.4
27.5°	1078.0	1072.8	1062.4	1041.9	998.9	968.5	982.0	1025.0	1031.5	1112.8	1217.1
30°	1153.2	1152.8	1149.3	1128.4	1064.5	1007.6	1000.2	1031.9	1038.0	1115.8	1228.0
32.5°	1231.0	1232.3	1241.0	1224.9	1155.0	1065.8	1033.2	1046.3	1050.6	1121.9	1237.5
35°	1304.9	1307.5	1330.6	1336.2	1264.9	1154.1	1087.1	1075.0	1075.4	1135.4	1250.2
37.5°	1375.8	1384.5	1421.4	1448.8	1401.9	1261.0	1165.0	1123.7	1120.2	1162.3	1269.3
40°	1456.2	1472.7	1519.2	1565.7	1551.0	1402.3	1271.0	1198.4	1191.0	1211.9	1303.6
42.5°	1545.3	1563.1	1624.9	1690.1	1697.0	1573.1	1403.6	1307.5	1294.9	1295.4	1368.0
45°	1640.9	1664.8	1736.6	1830.5	1872.6	1763.5	1567.0	1454.9	1442.3	1423.6	1471.4
47.5°	1766.6	1787.4	1856.5	1964.8	2045.6	1967.8	1781.3	1644.4	1621.4	1594.0	1632.2
50°	1874.8	1893.1	1952.6	2088.2	2256.4	2231.2	2024.3	1881.3	1859.1	1812.6	1844.4
52.5°	1898.7	1913.0	1967.8	2120.4	2417.7	2563.8	2322.1	2167.8	2152.1	2066.1	2078.2
55°	1791.3	1813.1	1862.2	2031.7	2459.9	2888.9	2708.5	2490.7	2458.1	2320.8	2342.5
57.5°	1520.1	1558.8	1604.9	1825.2	2345.6	3061.9	3248.4	2832.8	2803.3	2565.9	2566.4
60°	1114.1	1145.4	1176.3	1378.0	2074.3	3050.2	3738.3	3217.1	3163.2	2766.3	2758.9
62.5°	810.3	826.3	825.9	897.6	1424.5	2849.4	3995.6	3796.1	3670.5	2980.6	2938.5
65°	637.2	636.8	655.5	679.0	795.5	2199.5	4027.4	4641.6	4505.9	3268.0	3180.2
67.5°	496.0	505.5	524.2	593.3	597.7	1151.0	3748.3	5164.5	5161.9	3706.6	3463.1
70°	382.5	395.6	422.1	522.9	552.0	644.2	2804.6	4998.9	5041.0	3902.6	3262.7
72.5°	245.6	244.7	283.8	422.5	530.3	536.8	1551.0	3970.8	4018.7	3534.9	2638.1
75°	137.4	138.2	160.4	258.6	494.2	505.1	768.1	2831.5	2869.4	2755.9	2026.9
77.5°	53.9	55.6	75.2	136.1	326.0	451.2	456.4	1930.9	1936.5	1707.9	1243.2
80°	21.7	23.0	38.3	84.3	198.7	303.8	326.0	1137.6	1114.5	661.2	361.7
82.5°	6.5	7.0	15.2	47.8	103.9	216.0	220.0	436.4	412.1	142.1	92.2
85°	0.4	0.4	3.5	14.8	36.9	54.3	146.5	142.1	126.1	35.6	40.9
87.5°	0.0	0.0	0.4	0.4	0.9	1.7	15.6	26.1	26.5	6.5	18.3
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°	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8
2.5°	1169.7	1154.1	1152.8	1140.6	1128.4	1113.2	1095.4	1082.4	1073.2	1057.2	1054.1
5°	1168.0	1147.1	1127.6	1092.8	1054.1	1012.4	975.9	942.0	920.7	906.3	900.2
7.5°	1164.5	1138.0	1092.8	1027.2	962.4	889.4	832.4	780.3	744.6	723.8	714.6
10°	1161.9	1126.3	1052.8	953.3	852.9	752.0	665.5	588.1	545.1	511.2	505.5
12.5°	1156.7	1109.3	1001.5	866.8	737.2	603.3	492.9	398.2	332.5	303.0	292.5
15°	1151.5	1091.5	950.2	775.5	611.2	446.0	312.1	220.8	175.6	161.7	160.8
17.5°	1150.6	1075.4	894.6	689.0	479.0	292.1	177.8	143.0	133.4	130.0	130.0
20°	1153.2	1061.9	839.8	589.4	349.1	177.8	132.6	123.9	118.2	115.2	115.2
22.5°	1155.8	1048.0	787.2	489.0	231.7	130.0	116.9	109.5	103.0	99.5	97.8
25°	1157.6	1032.8	729.0	388.2	151.3	113.0	102.6	93.0	85.2	80.9	80.9
27.5°	1157.1	1014.6	670.3	289.5	117.4	100.4	87.8	77.8	70.0	65.2	65.6
30°	1153.7	994.6	609.4	202.1	102.6	87.8	75.2	64.8	56.9	53.0	52.6
32.5°	1151.0	973.3	539.0	142.1	92.2	76.9	63.9	53.9	47.4	44.3	43.9
35°	1148.0	952.4	472.1	108.2	83.0	66.5	53.9	45.6	40.4	37.8	37.8
37.5°	1148.9	930.7	399.5	93.0	73.9	57.8	46.1	39.1	34.8	32.2	31.7
40°	1162.3	917.6	328.2	84.3	65.6	50.0	40.0	33.9	29.6	27.0	26.5
42.5°	1195.8	918.1	259.9	77.8	58.2	42.6	34.8	29.1	25.2	22.2	21.7
45°	1262.8	936.3	199.5	70.9	50.4	36.9	30.0	24.8	20.9	18.3	17.8
47.5°	1372.3	990.6	151.3	64.8	43.9	32.2	25.6	20.9	17.4	15.2	14.8
50°	1546.6	1088.9	119.1	57.4	36.9	27.8	21.7	17.4	14.3	12.2	11.7
52.5°	1756.1	1236.2	102.2	50.9	31.7	24.3	18.7	14.3	11.7	10.0	9.6
55°	1996.9	1412.3	94.3	44.3	27.0	20.9	15.2	11.7	9.6	8.3	7.4
57.5°	2217.8	1571.0	93.9	37.8	23.0	17.8	12.6	10.0	8.3	6.5	6.1
60°	2432.9	1703.5	88.2	31.3	20.0	14.8	10.9	8.3	7.0	5.7	5.2
62.5°	2628.1	1811.3	73.9	25.2	17.0	12.2	9.1	7.4	6.1	4.8	4.8
65°	2873.3	1948.7	56.5	20.4	13.9	10.0	7.8	6.5	5.7	4.3	4.3
67.5°	3126.7	2021.3	40.4	17.0	11.3	8.7	7.0	6.1	4.8	3.9	3.9
70°	2832.0	1707.9	29.1	13.9	9.6	7.4	6.1	5.7	4.8	3.9	3.5
72.5°	2211.7	1231.5	21.7	10.9	8.3	7.0	5.7	5.2	4.3	3.5	3.5
75°	1640.1	718.1	16.5	8.7	6.5	5.7	5.7	5.2	4.3	3.5	3.0
77.5°	891.5	250.4	12.6	7.0	5.2	4.3	4.8	4.8	3.9	3.0	2.6
80°	236.0	68.7	8.7	5.2	4.3	3.5	3.5	4.3	3.5	2.6	2.6
82.5°	68.7	20.0	6.1	4.3	3.5	3.0	3.0	3.0	2.6	2.2	1.7
85°	33.5	7.4	4.3	3.5	3.0	2.6	2.2	2.2	1.7	1.3	1.3
87.5°	14.8	3.0	3.5	3.0	3.0	2.2	1.7	1.3	1.3	0.9	0.4
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)