

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: P630771

Luminaire Tested: GWS-SA1E-735-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630771
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-SA1E-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5924.6 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

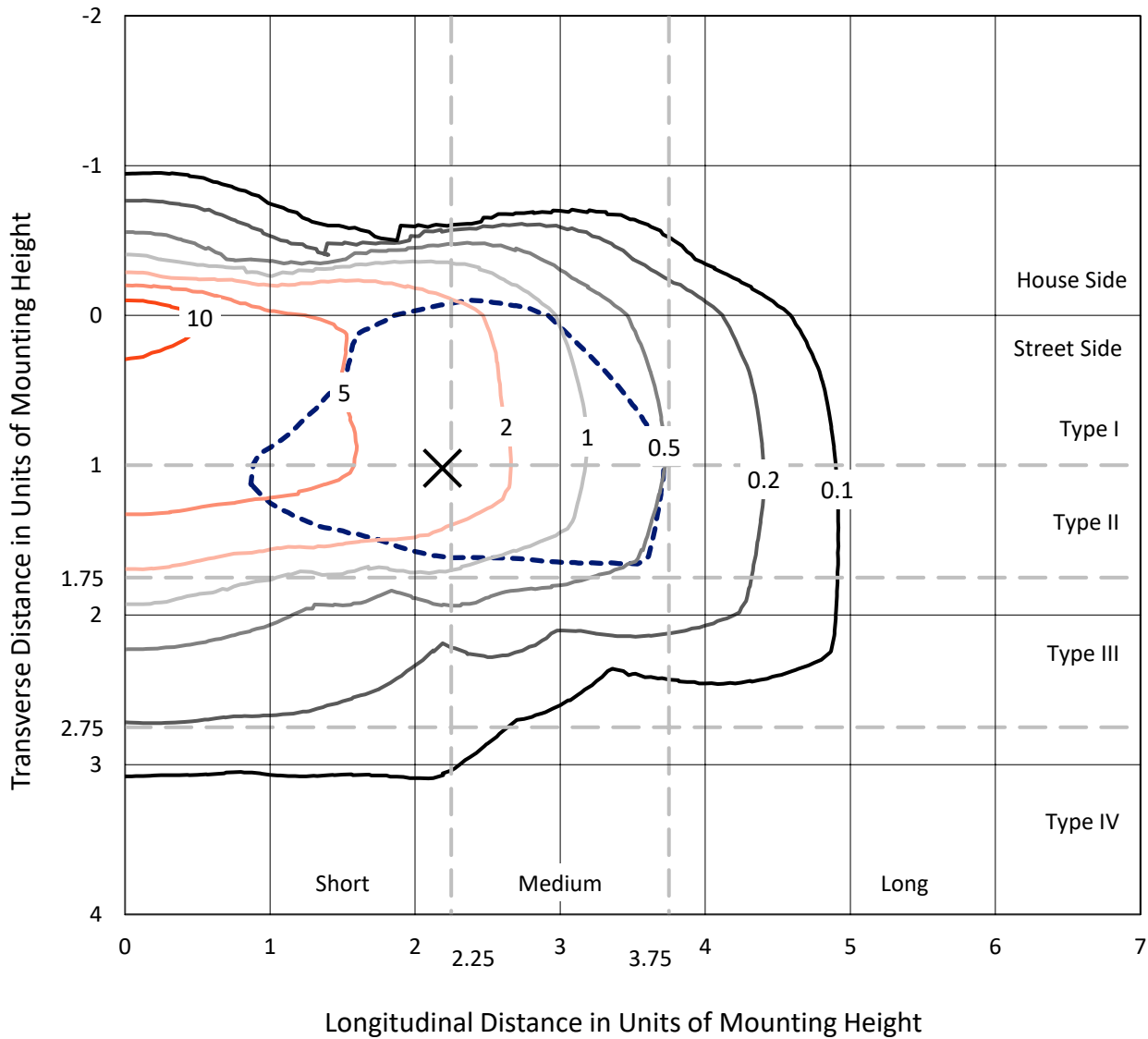
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

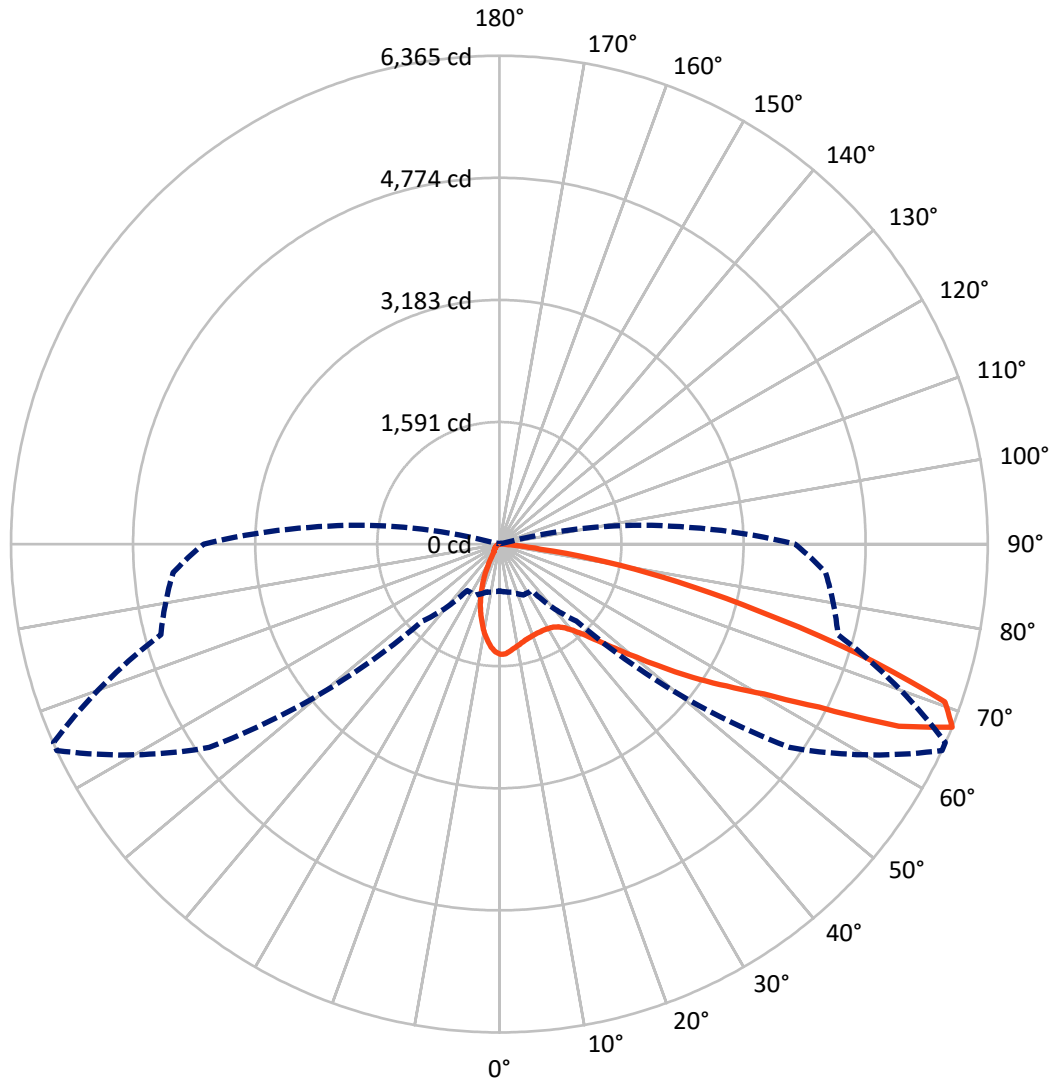
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.4 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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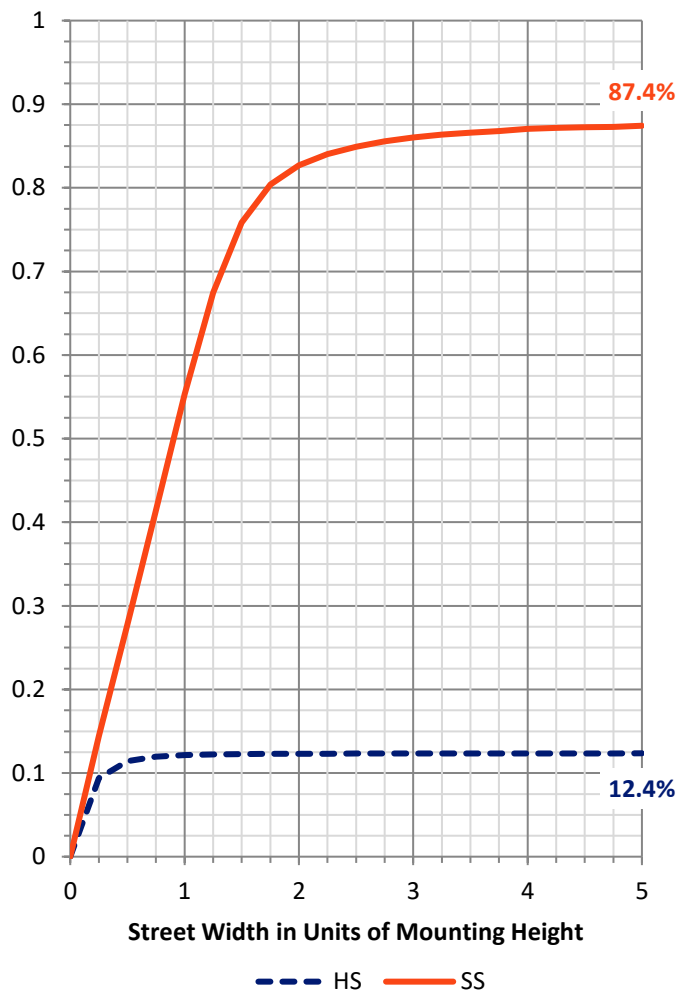
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	739.8	0.0	739.8
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	5184.8	0.0	5184.8
	% Fixture	87.5	0.0	87.5
Total	Lumens	5924.6	0.0	5924.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.3	2.0
10°-20°	268.3	4.5
20°-30°	383.4	6.5
30°-40°	557.7	9.4
40°-50°	873.5	14.7
50°-60°	1362.7	23.0
60°-70°	1496.8	25.3
70°-80°	796.6	13.4
80°-90°	66.3	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°	5924.6	100.0
0°-180°	5924.6	100.0

Coefficient of Utilization



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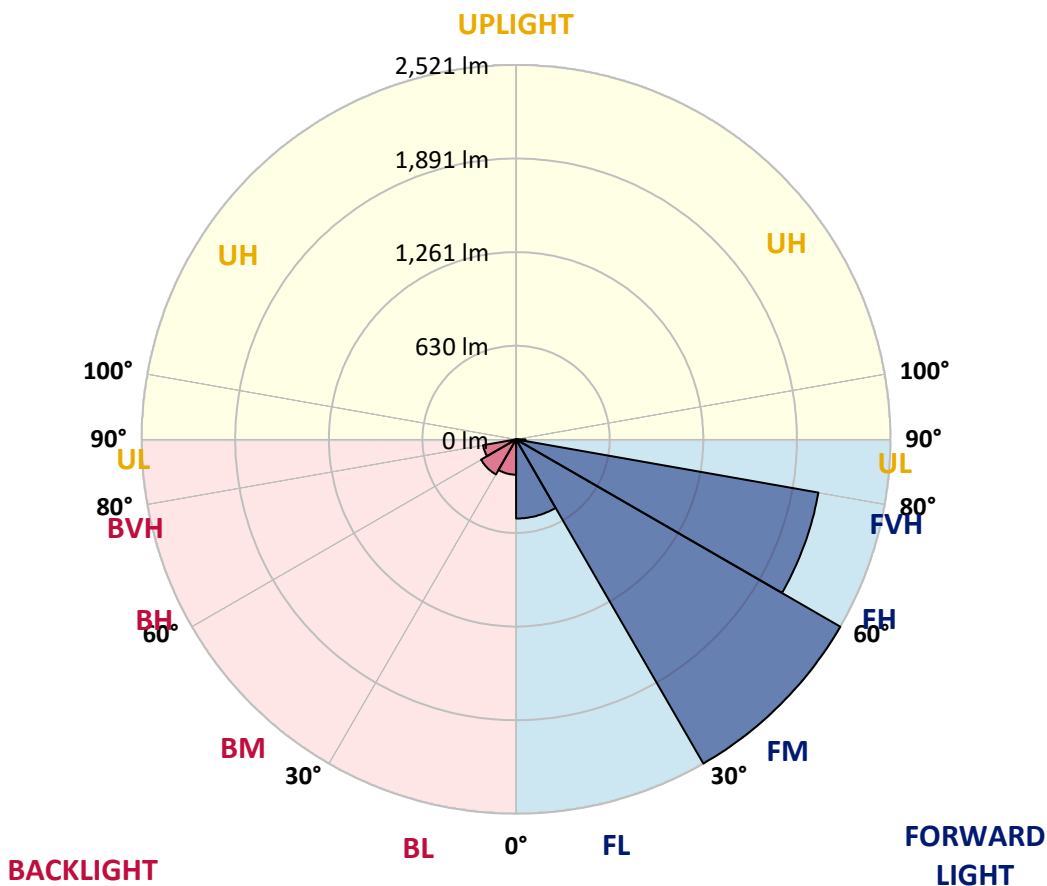
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	533.2	9.0			
FM (30°-60°)	2521.4	42.6			
FH (60°-80°)	2067.5	34.9			G2/5000
FVH (80°-90°)	62.8	1.1			G1/100
BL (0°-30°)	237.8	4.0	B1/500		
BM (30°-60°)	272.5	4.6	B1/1000		
BH (60°-80°)	226.0	3.8	B1/500		G1/500
BVH (80°-90°)	3.6	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1436.9	1436.9	1436.9	1436.9	1436.9	1436.9	1436.9	1436.9	1436.9	1436.9	1436.9
2.5°	1387.1	1391.4	1385.5	1399.9	1402.6	1418.7	1427.8	1434.2	1433.7	1441.7	1441.7
5°	1305.6	1309.9	1306.7	1322.2	1334.6	1359.8	1380.6	1404.8	1405.8	1430.5	1439.6
7.5°	1236.5	1237.1	1237.1	1256.4	1272.4	1303.5	1334.6	1371.5	1375.8	1413.9	1438.0
10°	1179.7	1181.3	1181.9	1203.8	1221.5	1259.0	1298.7	1343.1	1348.0	1399.4	1436.9
12.5°	1140.6	1141.2	1143.3	1166.3	1185.6	1224.7	1264.9	1315.8	1322.2	1382.8	1432.1
15°	1121.9	1120.8	1121.9	1141.2	1160.5	1198.0	1239.2	1293.9	1300.8	1368.9	1432.6
17.5°	1120.8	1119.2	1118.1	1132.6	1144.9	1178.1	1219.9	1279.4	1286.9	1362.4	1438.5
20°	1136.3	1135.3	1129.9	1136.3	1139.0	1166.3	1207.6	1268.1	1275.6	1361.4	1451.4
22.5°	1177.1	1174.4	1166.3	1160.5	1146.0	1162.1	1199.0	1260.1	1268.7	1364.0	1468.0
25°	1237.6	1236.5	1226.3	1211.9	1174.9	1168.5	1199.6	1260.1	1268.1	1367.3	1485.7
27.5°	1328.7	1322.2	1309.4	1284.2	1231.2	1193.7	1210.3	1263.3	1271.4	1371.5	1500.1
30°	1421.4	1420.8	1416.5	1390.8	1312.1	1241.9	1232.8	1271.9	1279.4	1375.3	1513.5
32.5°	1517.3	1518.9	1529.6	1509.8	1423.5	1313.7	1273.5	1289.6	1294.9	1382.8	1525.3
35°	1608.3	1611.6	1640.0	1646.9	1559.1	1422.4	1339.9	1324.9	1325.5	1399.4	1540.8
37.5°	1695.7	1706.4	1751.9	1785.7	1727.8	1554.2	1435.8	1384.9	1380.6	1432.6	1564.4
40°	1794.8	1815.1	1872.5	1929.8	1911.6	1728.4	1566.6	1477.1	1468.0	1493.7	1606.7
42.5°	1904.6	1926.6	2002.7	2083.0	2091.6	1938.9	1730.0	1611.6	1596.0	1596.6	1686.0
45°	2022.5	2052.0	2140.4	2256.1	2308.0	2173.6	1931.4	1793.2	1777.6	1754.6	1813.5
47.5°	2177.3	2203.0	2288.2	2421.6	2521.3	2425.4	2195.5	2026.8	1998.4	1964.6	2011.8
50°	2310.7	2333.2	2406.6	2573.8	2781.1	2750.0	2495.0	2318.8	2291.4	2234.1	2273.2
52.5°	2340.2	2357.9	2425.4	2613.4	2979.9	3159.9	2862.0	2671.8	2652.5	2546.5	2561.5
55°	2207.9	2234.6	2295.2	2504.1	3031.9	3560.6	3338.3	3069.9	3029.7	2860.4	2887.2
57.5°	1873.5	1921.2	1978.0	2249.6	2890.9	3773.9	4003.7	3491.5	3455.1	3162.6	3163.1
60°	1373.1	1411.7	1449.8	1698.4	2556.6	3759.4	4607.5	3965.1	3898.7	3409.6	3400.5
62.5°	998.7	1018.5	1017.9	1106.3	1755.7	3511.9	4924.7	4678.8	4523.9	3673.7	3621.7
65°	785.4	784.9	807.9	836.9	980.4	2710.9	4963.8	5720.8	5553.7	4027.8	3919.6
67.5°	611.3	623.1	646.1	731.3	736.7	1418.7	4619.8	6365.3	6362.1	4568.4	4268.4
70°	471.5	487.5	520.2	644.5	680.4	794.0	3456.7	6161.2	6213.2	4810.0	4021.4
72.5°	302.7	301.6	349.8	520.8	653.6	661.7	1911.6	4894.1	4953.1	4356.8	3251.5
75°	169.3	170.4	197.7	318.8	609.2	622.6	946.7	3489.9	3536.5	3396.7	2498.2
77.5°	66.4	68.6	92.7	167.7	401.8	556.1	562.5	2379.8	2386.8	2105.0	1532.3
80°	26.8	28.4	47.1	103.9	244.8	374.5	401.8	1402.1	1373.7	814.9	445.8
82.5°	8.0	8.6	18.8	58.9	128.0	266.3	271.1	537.9	507.9	175.2	113.6
85°	0.5	0.5	4.3	18.2	45.5	67.0	180.6	175.2	155.4	43.9	50.4
87.5°	0.0	0.0	0.5	0.5	1.1	2.1	19.3	32.1	32.7	8.0	22.5
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°	1436.9	1436.9	1436.9	1436.9	1436.9	1436.9	1436.9	1436.9	1436.9	1436.9	1436.9
2.5°	1441.7	1422.4	1420.8	1405.8	1390.8	1372.1	1350.1	1334.0	1322.8	1303.0	1299.2
5°	1439.6	1413.9	1389.8	1346.9	1299.2	1247.8	1202.8	1161.0	1134.7	1117.1	1109.6
7.5°	1435.3	1402.6	1346.9	1266.0	1186.2	1096.2	1026.0	961.7	917.8	892.0	880.8
10°	1432.1	1388.1	1297.6	1174.9	1051.2	926.9	820.2	724.9	671.8	630.1	623.1
12.5°	1425.7	1367.3	1234.4	1068.3	908.6	743.6	607.5	490.8	409.9	373.4	360.6
15°	1419.2	1345.3	1171.2	955.8	753.3	549.7	384.7	272.2	216.4	199.3	198.2
17.5°	1418.2	1325.5	1102.6	849.2	590.4	360.0	219.1	176.3	164.5	160.2	160.2
20°	1421.4	1308.9	1035.1	726.5	430.2	219.1	163.4	152.7	145.7	142.0	142.0
22.5°	1424.6	1291.7	970.3	602.7	285.6	160.2	144.1	135.0	127.0	122.7	120.5
25°	1426.7	1273.0	898.5	478.4	186.4	139.3	126.4	114.7	105.0	99.7	99.7
27.5°	1426.2	1250.5	826.1	356.8	144.7	123.8	108.2	95.9	86.3	80.4	80.9
30°	1421.9	1225.8	751.1	249.1	126.4	108.2	92.7	79.8	70.2	65.4	64.8
32.5°	1418.7	1199.6	664.3	175.2	113.6	94.8	78.8	66.4	58.4	54.6	54.1
35°	1414.9	1173.8	581.8	133.4	102.3	82.0	66.4	56.3	49.8	46.6	46.6
37.5°	1416.0	1147.1	492.4	114.7	91.1	71.3	56.8	48.2	42.9	39.6	39.1
40°	1432.6	1131.0	404.5	103.9	80.9	61.6	49.3	41.8	36.4	33.2	32.7
42.5°	1473.9	1131.5	320.4	95.9	71.8	52.5	42.9	35.9	31.1	27.3	26.8
45°	1556.4	1154.0	245.9	87.3	62.1	45.5	37.0	30.5	25.7	22.5	22.0
47.5°	1691.4	1221.0	186.4	79.8	54.1	39.6	31.6	25.7	21.4	18.8	18.2
50°	1906.2	1342.1	146.8	70.7	45.5	34.3	26.8	21.4	17.7	15.0	14.5
52.5°	2164.5	1523.7	125.9	62.7	39.1	30.0	23.0	17.7	14.5	12.3	11.8
55°	2461.3	1740.7	116.3	54.6	33.2	25.7	18.8	14.5	11.8	10.2	9.1
57.5°	2733.4	1936.2	115.7	46.6	28.4	22.0	15.5	12.3	10.2	8.0	7.5
60°	2998.6	2099.6	108.8	38.6	24.6	18.2	13.4	10.2	8.6	7.0	6.4
62.5°	3239.2	2232.5	91.1	31.1	20.9	15.0	11.3	9.1	7.5	5.9	5.9
65°	3541.4	2401.8	69.6	25.2	17.1	12.3	9.6	8.0	7.0	5.4	5.4
67.5°	3853.7	2491.3	49.8	20.9	13.9	10.7	8.6	7.5	5.9	4.8	4.8
70°	3490.5	2105.0	35.9	17.1	11.8	9.1	7.5	7.0	5.9	4.8	4.3
72.5°	2725.9	1517.8	26.8	13.4	10.2	8.6	7.0	6.4	5.4	4.3	4.3
75°	2021.4	885.1	20.4	10.7	8.0	7.0	7.0	6.4	5.4	4.3	3.8
77.5°	1098.8	308.6	15.5	8.6	6.4	5.4	5.9	5.9	4.8	3.8	3.2
80°	290.9	84.6	10.7	6.4	5.4	4.3	4.3	5.4	4.3	3.2	3.2
82.5°	84.6	24.6	7.5	5.4	4.3	3.8	3.8	3.8	3.2	2.7	2.1
85°	41.3	9.1	5.4	4.3	3.8	3.2	2.7	2.7	2.1	1.6	1.6
87.5°	18.2	3.8	4.3	3.8	3.8	2.7	2.1	1.6	1.6	1.1	0.5
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)