

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: P632372

Luminaire Tested: GWS-SA2C-750-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632372
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-750-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7459.5 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

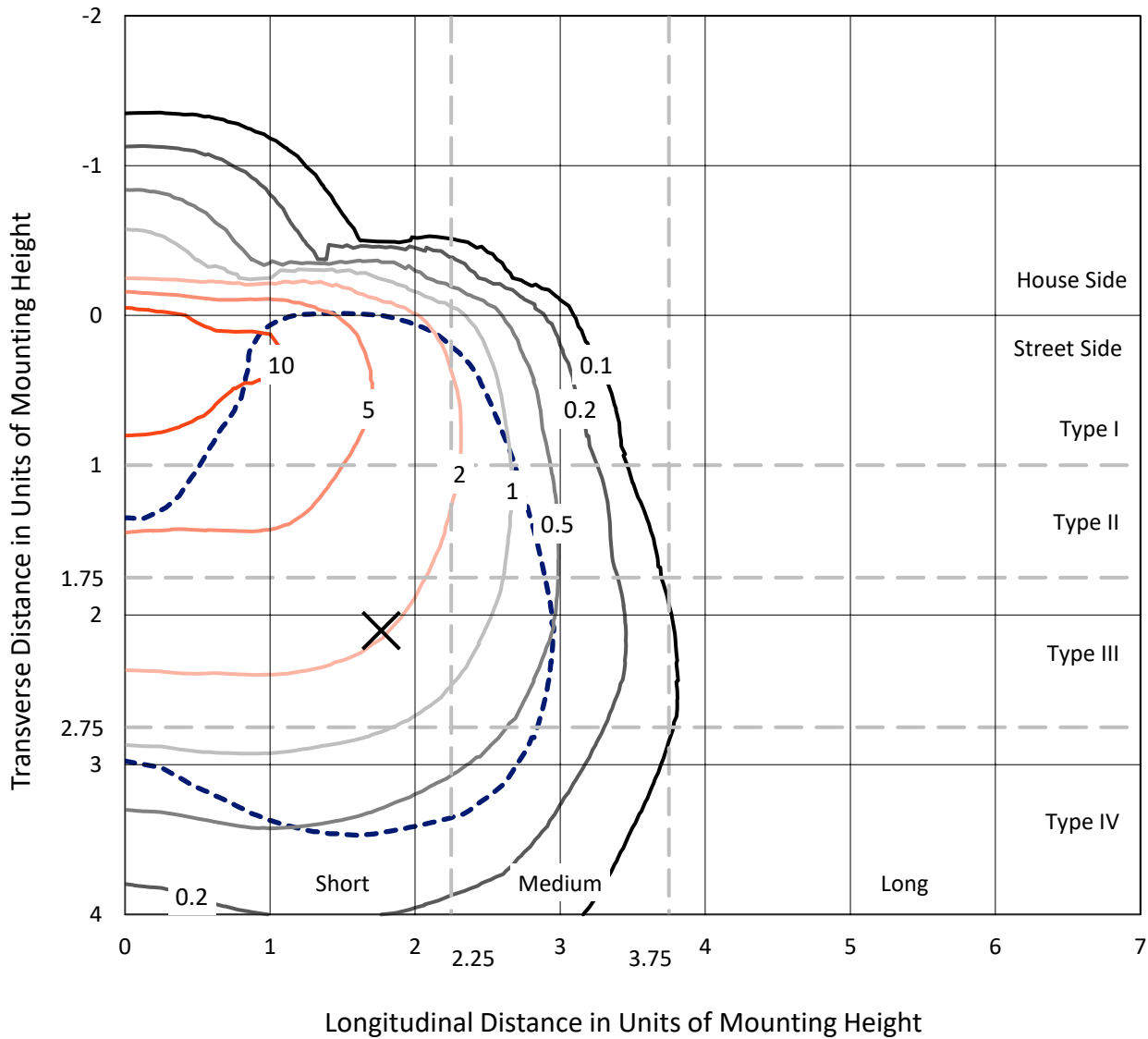
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632372
 CATALOG NUMBER: GWS-SA2C-750-U-SL4-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

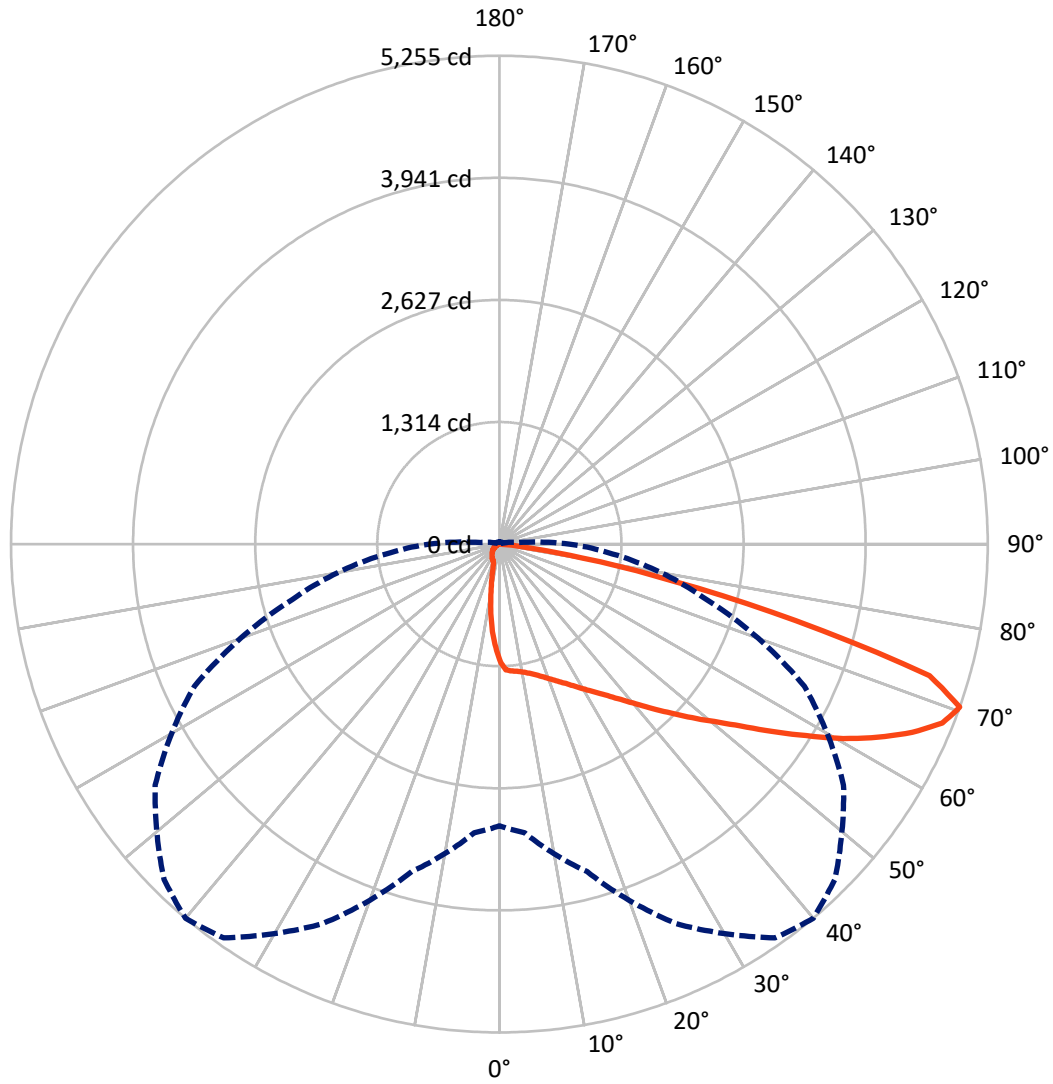
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P632372
CATALOG NUMBER: GWS-SA2C-750-U-SL4-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P632372

CATALOG NUMBER: GWS-SA2C-750-U-SL4-W-HSS

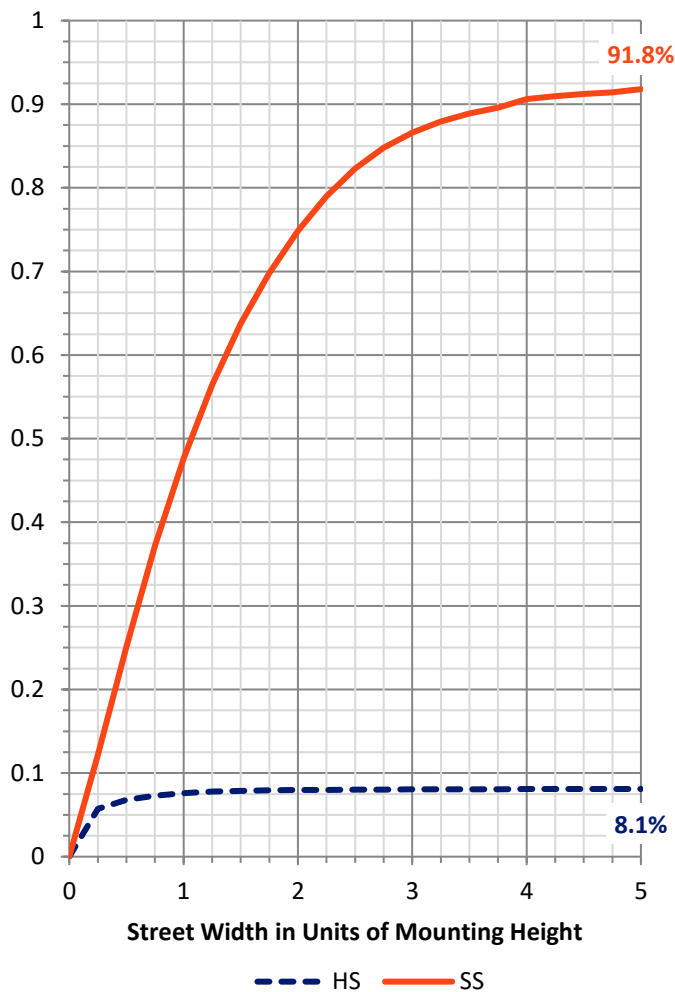
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	610.0	0.0	610.0
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	6849.5	0.0	6849.5
	% Fixture	91.8	0.0	91.8
Total	Lumens	7459.5	0.0	7459.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.0	1.4
10°-20°	271.3	3.6
20°-30°	454.1	6.1
30°-40°	713.3	9.6
40°-50°	1128.2	15.1
50°-60°	1645.8	22.1
60°-70°	2040.2	27.4
70°-80°	1032.2	13.8
80°-90°	67.4	0.9
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°	7459.5	100.0
0°-180°	7459.5	100.0

Coefficient of Utilization



REPORT NUMBER: P632372

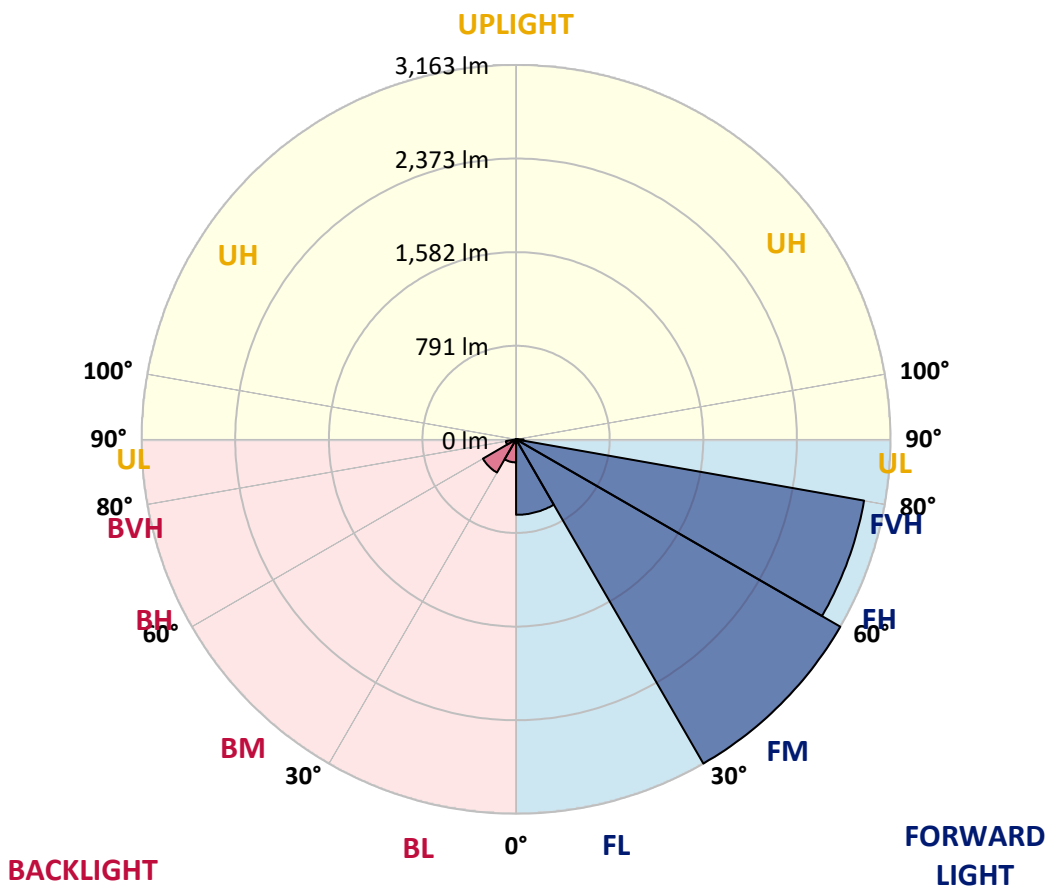
CATALOG NUMBER: GWS-SA2C-750-U-SL4-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	637.7	8.5			
FM (30°-60°)	3163.5	42.4			
FH (60°-80°)	2985.4	40.0			G2/5000
FVH (80°-90°)	62.9	0.8			G1/100
BL (0°-30°)	194.8	2.6	B1/500		
BM (30°-60°)	323.8	4.3	B1/1000		
BH (60°-80°)	87.0	1.2	B0/110		G0/110
BVH (80°-90°)	4.4	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 IV Short





REPORT NUMBER: P632372

CATALOG NUMBER: GWS-SA2C-750-U-SL4-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1265.8	1265.8	1265.8	1265.8	1265.8	1265.8	1265.8	1265.8	1265.8	1265.8	1265.8
2.5°	1360.8	1365.6	1364.9	1366.9	1362.2	1354.7	1353.3	1343.2	1324.8	1301.8	1276.0
5°	1388.6	1394.1	1390.0	1388.0	1379.1	1371.0	1369.0	1358.1	1337.1	1305.8	1261.0
7.5°	1412.4	1413.7	1411.0	1406.3	1393.4	1382.5	1375.1	1360.1	1335.0	1303.8	1252.2
10°	1416.5	1415.8	1417.1	1417.8	1409.7	1400.2	1394.1	1373.7	1341.8	1308.5	1252.9
12.5°	1411.7	1411.7	1420.5	1430.7	1430.7	1426.0	1419.9	1401.5	1364.2	1324.8	1266.5
15°	1417.8	1419.9	1436.8	1455.8	1461.9	1457.2	1454.5	1435.5	1396.8	1353.3	1290.9
17.5°	1439.5	1441.6	1468.7	1497.2	1504.7	1499.3	1493.8	1474.8	1433.4	1385.9	1318.7
20°	1471.4	1476.9	1511.5	1548.1	1554.9	1548.1	1537.3	1510.8	1469.4	1421.2	1345.2
22.5°	1529.8	1533.2	1570.5	1609.2	1612.6	1601.7	1585.5	1548.8	1505.4	1458.5	1375.1
25°	1607.2	1611.9	1649.3	1686.6	1677.8	1661.5	1639.1	1597.7	1548.1	1502.7	1413.1
27.5°	1699.5	1704.9	1741.6	1774.1	1751.1	1732.1	1706.9	1655.4	1605.1	1563.7	1461.9
30°	1799.3	1804.0	1836.6	1865.8	1835.2	1812.8	1783.0	1730.0	1679.1	1647.9	1531.2
32.5°	1895.6	1894.9	1926.2	1949.9	1918.7	1901.1	1873.9	1820.3	1779.6	1766.0	1634.3
35°	1985.2	1985.2	2011.0	2034.8	2012.4	2002.9	1977.8	1935.0	1911.9	1928.2	1772.1
37.5°	2075.5	2070.7	2095.2	2121.6	2119.6	2120.3	2106.0	2085.7	2087.0	2144.7	1961.5
40°	2150.1	2148.1	2176.6	2211.2	2238.4	2260.1	2251.3	2258.7	2301.5	2409.4	2203.8
42.5°	2209.9	2214.6	2251.3	2306.2	2374.8	2418.9	2425.0	2455.6	2565.5	2732.5	2477.3
45°	2278.4	2279.1	2330.0	2414.2	2523.4	2593.3	2617.8	2696.5	2852.6	3067.8	2777.3
47.5°	2362.6	2354.4	2411.4	2529.5	2687.7	2790.8	2834.3	2932.7	3174.3	3394.9	3021.6
50°	2455.6	2440.6	2505.1	2666.0	2871.6	3000.6	3088.8	3232.7	3493.3	3663.7	3203.5
52.5°	2563.5	2549.2	2622.5	2822.7	3092.2	3249.0	3362.3	3507.6	3766.8	3868.6	3312.1
55°	2700.6	2686.3	2763.7	3010.7	3352.8	3556.4	3675.2	3797.4	4021.3	4020.0	3390.8
57.5°	2852.6	2832.9	2940.2	3248.3	3677.9	3889.7	4010.5	4070.2	4214.8	4137.4	3443.8
60°	3027.0	3009.4	3158.0	3531.3	4053.2	4249.4	4325.4	4301.0	4373.6	4206.6	3425.4
62.5°	3184.5	3176.3	3361.0	3831.3	4410.9	4576.5	4597.6	4491.0	4490.3	4208.0	3301.9
65°	3348.1	3363.7	3637.9	4176.8	4770.6	4881.9	4846.0	4679.7	4537.2	4041.7	2936.8
67.5°	3409.1	3454.6	3820.4	4489.0	5054.3	5141.2	5078.1	4774.0	4342.4	3482.4	2236.3
70°	3031.8	3117.3	3648.0	4506.6	5171.7	5254.5	5103.2	4520.2	3620.2	2306.9	1225.1
72.5°	2305.6	2405.3	3039.9	3690.1	4651.2	4839.9	4581.3	3682.7	2333.4	1010.6	411.3
75°	1290.2	1398.1	2264.2	2778.6	3122.7	3295.1	3200.1	2362.6	1033.7	264.0	122.8
77.5°	436.4	472.4	1053.4	1719.2	2061.2	1906.5	1614.0	1173.5	380.1	100.4	65.2
80°	258.6	272.2	392.3	855.8	1084.6	899.3	709.9	433.7	193.4	53.6	45.5
82.5°	77.4	91.6	216.5	317.6	424.9	264.7	224.0	247.7	100.4	29.2	38.0
85°	0.0	0.0	46.2	98.4	111.3	43.4	43.4	140.5	18.3	12.2	27.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.4	2.0	2.7	6.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P632372
 CATALOG NUMBER: GWS-SA2C-750-U-SL4-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1265.8	1265.8	1265.8	1265.8	1265.8	1265.8	1265.8	1265.8	1265.8	1265.8	1265.8
2.5°	1257.6	1233.9	1206.1	1179.6	1154.5	1121.9	1106.3	1087.3	1071.0	1062.2	1066.9
5°	1232.5	1195.2	1138.2	1080.5	1022.1	967.2	917.6	884.4	854.5	838.9	842.3
7.5°	1210.8	1160.6	1071.7	977.3	883.7	789.3	712.6	652.9	606.8	587.8	584.4
10°	1201.3	1138.2	1012.6	876.9	733.0	606.1	497.5	431.7	384.8	361.8	365.8
12.5°	1206.1	1126.7	962.4	778.5	591.8	443.9	340.0	278.3	245.0	231.4	228.0
15°	1219.6	1123.9	917.6	678.0	456.8	310.2	234.8	209.7	202.9	201.6	201.6
17.5°	1235.2	1124.6	871.5	576.2	346.8	230.1	200.9	196.1	194.1	192.8	193.4
20°	1250.9	1124.6	818.5	473.1	260.6	198.9	191.4	188.0	186.0	185.3	185.3
22.5°	1269.9	1124.6	759.5	377.4	209.0	188.7	182.6	180.5	178.5	177.8	177.1
25°	1292.9	1125.3	694.3	295.2	190.0	179.9	175.1	173.1	171.0	169.7	169.7
27.5°	1326.2	1130.7	622.4	230.1	179.2	171.7	167.6	165.6	163.6	161.5	161.5
30°	1374.4	1144.3	541.6	190.0	169.0	162.9	158.8	157.5	155.4	153.4	152.7
32.5°	1446.3	1168.1	458.1	170.4	159.5	153.4	148.6	147.3	145.2	143.2	142.5
35°	1546.8	1211.5	376.7	158.1	147.3	141.2	138.5	137.8	135.1	133.0	133.0
37.5°	1694.1	1282.1	298.6	145.9	137.1	132.3	129.0	127.6	124.9	122.8	122.2
40°	1873.9	1373.7	232.1	136.4	127.6	122.8	119.5	117.4	114.0	111.3	110.0
42.5°	2103.3	1485.7	183.3	126.2	118.8	114.0	111.3	107.2	102.5	98.4	97.7
45°	2342.2	1601.1	151.4	116.7	110.6	106.6	103.2	97.7	90.9	86.2	84.8
47.5°	2525.5	1673.0	132.3	106.6	101.8	98.4	94.3	87.6	79.4	74.0	72.6
50°	2656.5	1683.9	118.1	97.1	94.3	90.9	84.8	76.7	67.9	62.4	61.1
52.5°	2720.9	1635.0	106.6	88.2	86.2	82.8	75.3	66.5	57.0	51.6	50.2
55°	2750.1	1542.7	95.7	80.8	78.1	74.0	65.8	56.3	46.8	42.1	40.7
57.5°	2738.6	1406.3	86.2	73.3	69.9	65.2	56.3	46.2	38.7	33.9	33.3
60°	2653.1	1214.9	76.7	65.8	61.8	56.3	47.5	38.0	31.2	27.8	27.1
62.5°	2468.5	977.3	67.2	57.0	54.3	48.9	40.7	31.2	25.8	23.8	23.1
65°	2090.4	690.9	57.7	48.2	46.8	41.4	33.9	25.8	22.4	21.0	20.4
67.5°	1502.7	420.1	48.9	41.4	40.0	35.3	28.5	22.4	20.4	19.7	19.7
70°	755.4	198.9	38.7	33.9	33.9	29.2	24.4	20.4	19.7	19.0	19.0
72.5°	256.6	84.8	29.2	26.5	27.8	25.1	21.0	19.0	19.0	19.0	19.0
75°	87.6	44.8	20.4	19.0	20.4	20.4	18.3	18.3	19.0	19.0	19.0
77.5°	57.0	29.9	14.3	12.9	15.6	15.6	15.6	17.0	18.3	18.3	18.3
80°	46.8	16.3	9.5	8.8	11.5	11.5	12.9	15.6	17.0	17.0	17.0
82.5°	40.0	10.2	5.4	6.1	8.1	8.8	10.9	12.9	14.9	15.6	15.6
85°	27.1	5.4	4.1	4.8	5.4	6.8	8.8	10.9	12.2	13.6	13.6
87.5°	7.5	2.0	2.7	3.4	3.4	4.8	6.8	8.1	9.5	10.2	10.2
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)