

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: P629882

Luminaire Tested: GWS-SA1C-750-U-AFL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629882
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-750-U-AFL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3703 lumens
Efficiency: N/A
Efficacy: 108.6 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

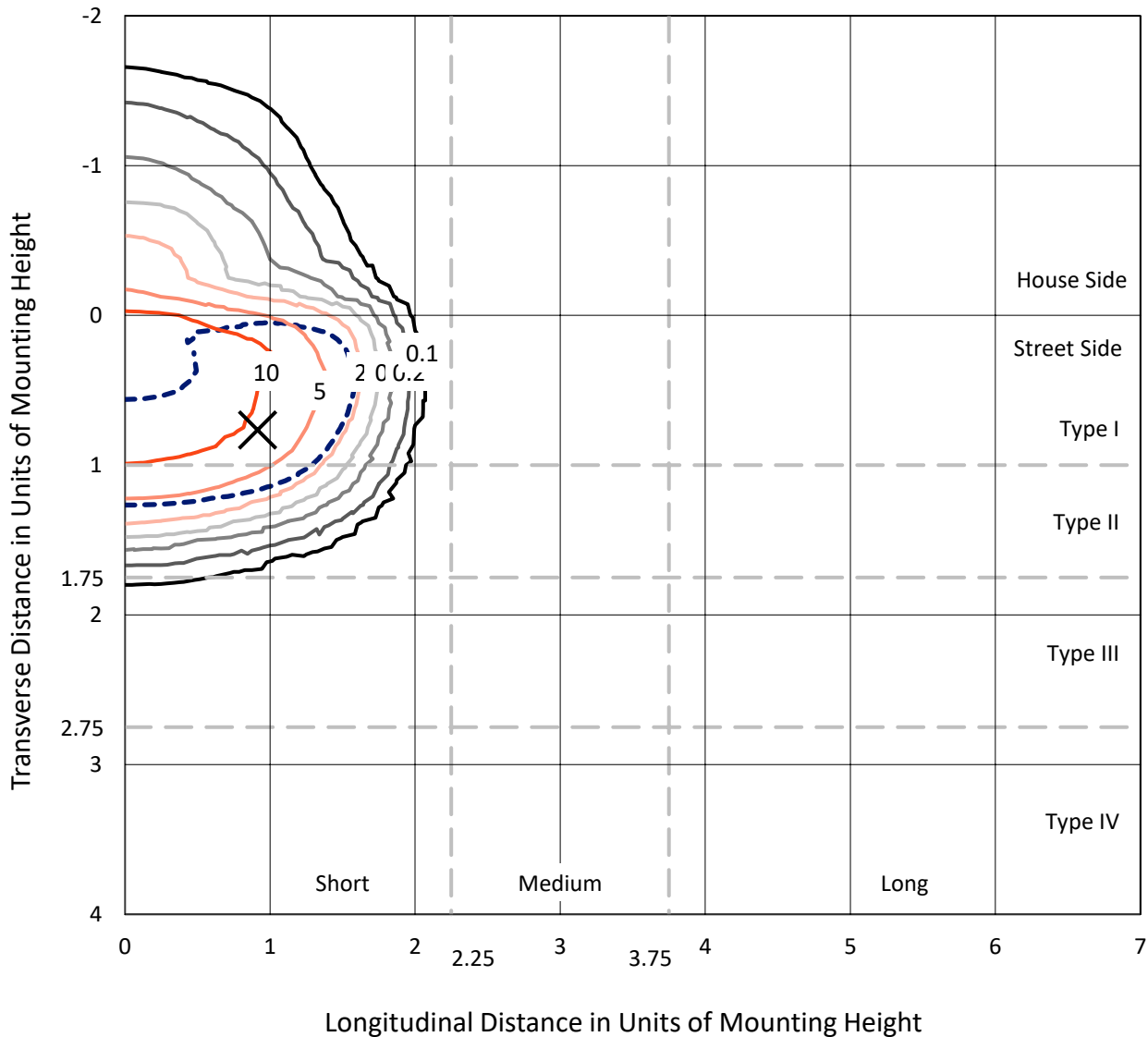
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629882
 CATALOG NUMBER: GWS-SA1C-750-U-AFL-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

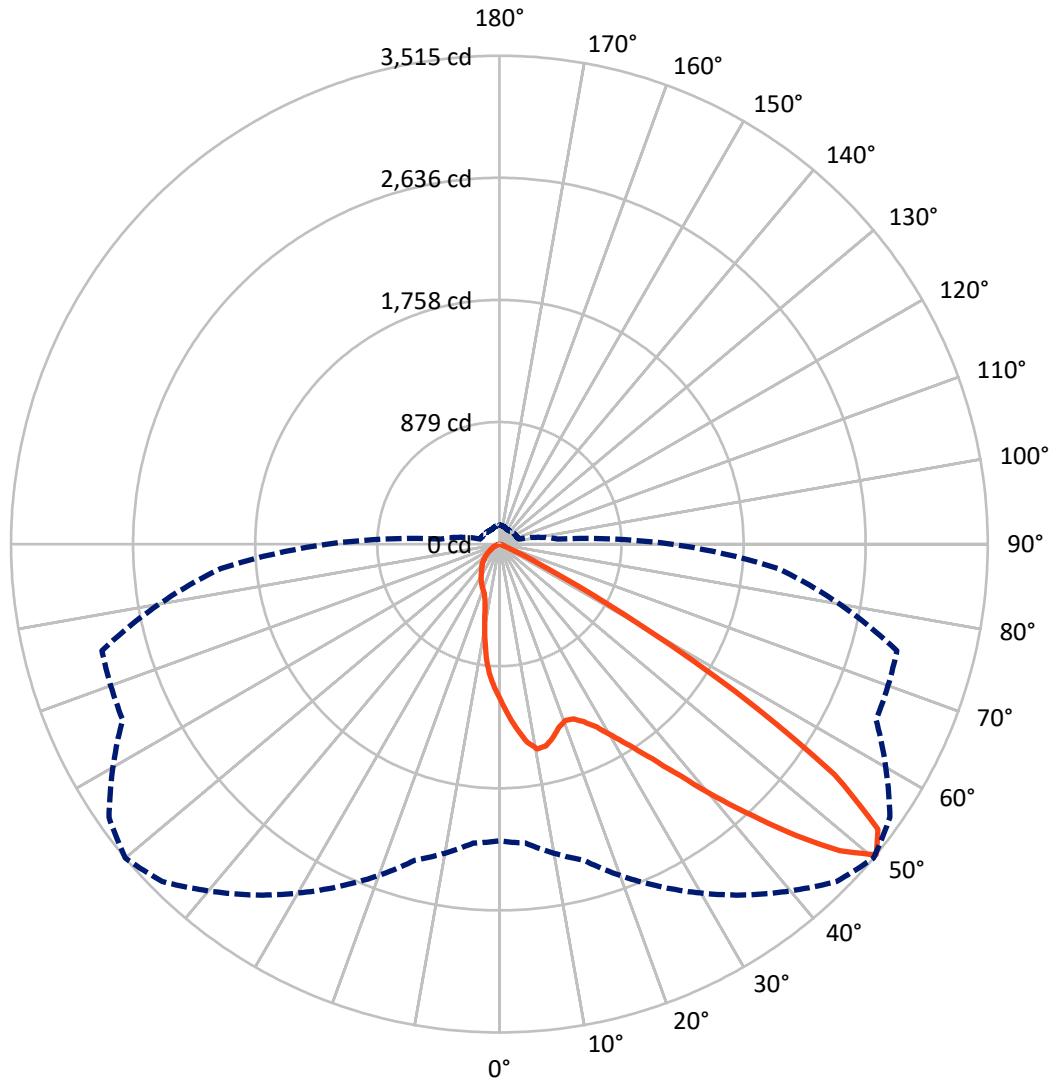
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.4 fc
 Type II - Short - N/A

REPORT NUMBER: P629882
CATALOG NUMBER: GWS-SA1C-750-U-AFL-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P629882
 CATALOG NUMBER: GWS-SA1C-750-U-AFL-W-GRSBK

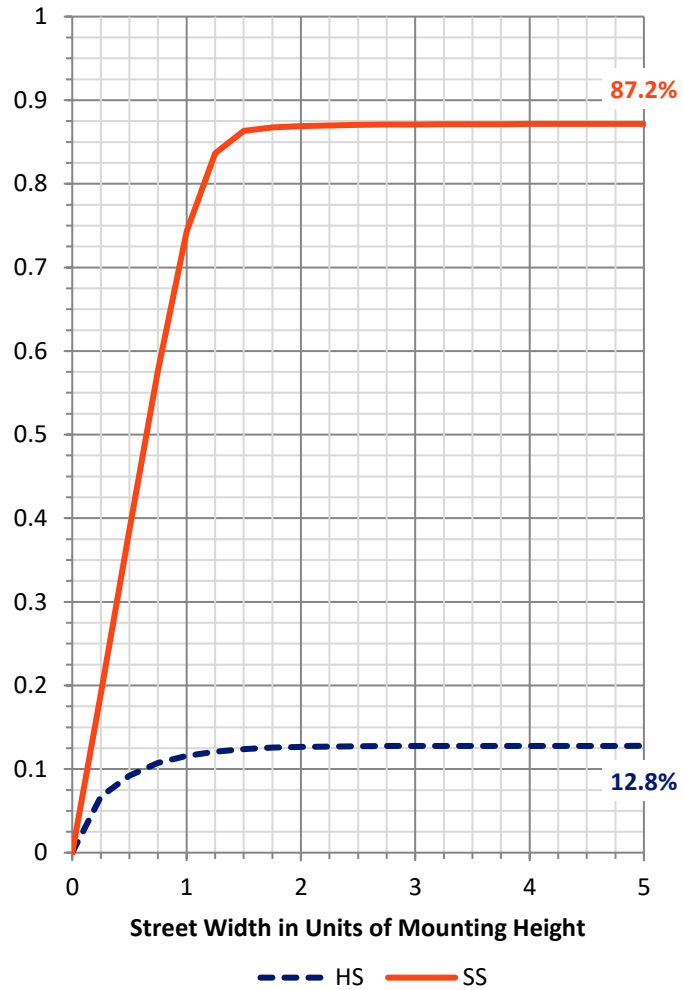
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	475.8	0.0	475.8
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	3227.2	0.0	3227.2
	% Fixture	87.2	0.0	87.2
Total	Lumens	3703.0	0.0	3703.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.1	2.8
10°-20°	268.5	7.3
20°-30°	443.1	12.0
30°-40°	731.3	19.7
40°-50°	1157.0	31.2
50°-60°	876.0	23.7
60°-70°	109.6	3.0
70°-80°	12.4	0.3
80°-90°	1.0	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°	3703.0	100.0
0°-180°	3703.0	100.0

Coefficient of Utilization



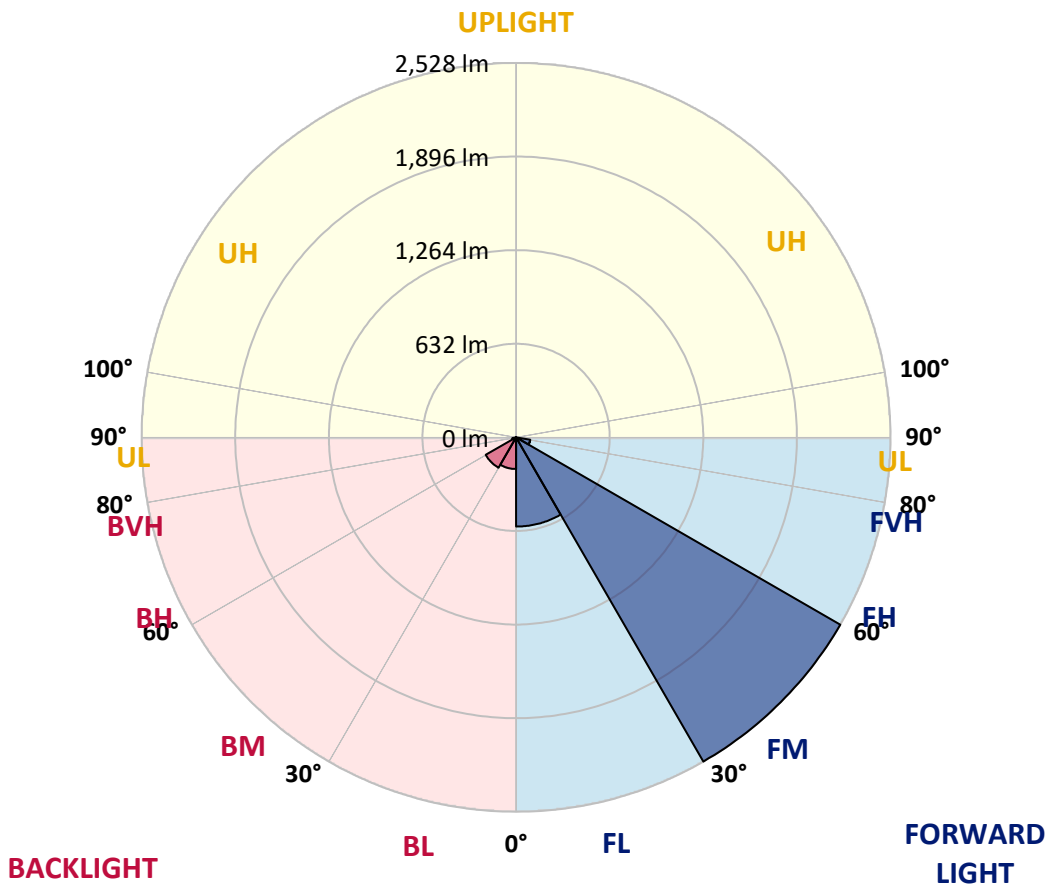
REPORT NUMBER: P629882

CATALOG NUMBER: GWS-SA1C-750-U-AFL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	602.2	16.3			
FM (30°-60°)	2527.7	68.3			
FH (60°-80°)	96.9	2.6			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	213.5	5.8	B1/500		
BM (30°-60°)	236.6	6.4	B1/1000		
BH (60°-80°)	25.1	0.7	B0/110		G0/110
BVH (80°-90°)	0.5	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





REPORT NUMBER: P629882
 CATALOG NUMBER: GWS-SA1C-750-U-AFL-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9
2.5°	1278.4	1288.6	1285.8	1272.4	1257.9	1247.7	1231.8	1226.9	1190.9	1165.9	1139.5
5°	1432.7	1435.9	1432.4	1416.2	1390.8	1366.5	1340.4	1325.2	1265.0	1210.7	1155.3
7.5°	1469.7	1465.9	1472.6	1480.7	1477.1	1466.6	1439.1	1422.5	1350.6	1262.1	1178.3
10°	1354.1	1345.3	1370.3	1412.3	1456.3	1506.0	1499.0	1500.4	1434.1	1327.0	1208.2
12.5°	1200.8	1197.3	1216.0	1264.6	1351.0	1463.7	1490.9	1536.3	1510.6	1397.1	1242.4
15°	1133.5	1135.3	1146.5	1177.2	1239.2	1379.5	1444.7	1526.8	1579.0	1465.2	1280.1
17.5°	1143.7	1150.1	1149.7	1159.9	1197.6	1310.1	1386.2	1496.9	1631.9	1543.4	1323.5
20°	1213.1	1219.5	1210.0	1202.2	1214.9	1292.4	1355.5	1466.6	1667.5	1622.3	1369.3
22.5°	1317.1	1324.5	1302.0	1279.8	1271.7	1321.4	1367.2	1454.2	1694.6	1694.6	1410.2
25°	1442.9	1453.2	1418.3	1378.8	1356.2	1382.3	1416.9	1482.1	1722.4	1759.5	1438.0
27.5°	1583.6	1583.9	1554.0	1509.6	1467.3	1470.4	1491.2	1544.8	1753.1	1829.2	1459.9
30°	1741.8	1742.9	1703.1	1649.8	1596.6	1582.2	1599.8	1640.3	1816.9	1917.0	1490.2
32.5°	1946.3	1951.2	1894.1	1815.8	1746.8	1719.6	1729.8	1772.5	1918.4	2027.0	1535.6
35°	2222.6	2227.9	2143.6	2040.4	1930.4	1889.5	1899.7	1942.7	2065.4	2183.1	1608.2
37.5°	2495.4	2502.4	2417.1	2320.9	2170.1	2102.4	2113.0	2153.8	2286.0	2398.8	1724.6
40°	2683.9	2693.5	2667.0	2602.2	2462.2	2373.4	2386.1	2400.9	2528.9	2656.8	1875.4
42.5°	2783.3	2796.7	2808.0	2841.1	2767.5	2693.1	2671.6	2672.7	2775.9	2919.7	2032.3
45°	2789.3	2802.4	2860.2	2988.1	3044.1	3028.6	2989.5	2963.1	2964.5	3094.9	2130.2
47.5°	2595.5	2619.8	2728.0	2978.6	3189.4	3318.0	3298.3	3235.5	3043.8	3106.5	2119.7
50°	2136.2	2160.2	2356.9	2717.4	3083.6	3433.6	3515.0	3430.8	2992.0	2961.7	2010.8
52.5°	1551.5	1554.0	1681.6	2102.7	2655.0	3220.4	3412.1	3404.0	2913.0	2786.2	1862.0
55°	737.0	728.2	871.6	1186.7	1836.3	2604.6	2927.8	3019.5	2801.0	2659.3	1746.8
57.5°	214.6	218.9	282.7	463.1	918.5	1664.6	2005.1	2175.7	2299.1	2186.3	1354.8
60°	96.2	96.6	107.5	141.0	305.9	774.3	1036.6	1247.7	1374.6	1273.8	672.1
62.5°	69.8	70.1	74.4	79.7	104.0	262.2	388.8	518.1	527.6	345.4	170.2
65°	58.2	58.2	58.9	58.9	62.4	93.8	118.1	152.3	128.3	95.2	66.6
67.5°	46.9	47.2	47.9	47.9	46.9	46.9	50.8	55.7	59.6	73.7	61.3
70°	36.7	36.3	36.3	36.7	35.6	30.3	32.8	37.4	40.9	57.5	53.2
72.5°	28.5	28.9	28.5	27.1	24.7	18.0	19.4	24.3	26.1	36.0	36.0
75°	21.5	21.9	20.4	15.5	10.2	5.6	7.4	12.0	15.2	17.6	13.0
77.5°	2.8	2.8	2.1	2.1	1.8	2.1	2.1	2.8	4.2	4.2	3.2
80°	0.4	0.4	0.4	0.7	1.1	1.4	1.4	1.4	1.4	1.8	1.8
82.5°	0.4	0.4	0.4	0.4	1.1	1.1	1.4	1.4	1.4	1.4	1.4
85°	0.0	0.0	0.0	0.4	0.7	1.1	1.1	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.4	0.7	1.1	1.1	1.1	1.4	1.4	1.4
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: P629882

CATALOG NUMBER: GWS-SA1C-750-U-AFL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9
2.5°	1123.6	1103.2	1078.5	1061.6	1037.6	1021.8	999.2	984.1	971.0	960.8	966.4
5°	1124.0	1091.6	1041.1	998.2	951.3	908.3	862.1	825.8	793.0	778.2	786.3
7.5°	1131.0	1084.5	1007.3	930.8	841.0	752.1	669.0	601.3	567.8	551.9	556.9
10°	1144.8	1081.3	969.6	842.7	696.8	575.6	494.8	449.0	430.3	420.5	422.2
12.5°	1157.5	1079.2	920.6	726.8	549.8	446.6	404.6	398.3	402.2	402.5	402.2
15°	1174.7	1075.3	860.0	607.6	439.9	385.9	387.0	396.2	405.3	408.1	407.4
17.5°	1193.1	1069.3	781.7	493.4	373.2	368.3	380.7	393.0	402.2	403.6	403.9
20°	1212.1	1057.0	692.6	402.9	342.2	354.9	368.7	377.8	384.5	386.6	387.3
22.5°	1220.9	1030.9	589.7	338.0	321.4	338.4	348.6	360.6	362.7	354.9	356.3
25°	1216.3	986.9	489.2	294.3	300.6	317.6	332.7	326.7	317.9	312.3	314.0
27.5°	1201.9	928.4	390.9	262.2	278.4	299.9	301.7	295.0	293.6	289.0	290.4
30°	1186.4	861.0	314.4	236.5	255.9	278.4	273.2	275.6	276.0	270.7	272.4
32.5°	1176.8	790.6	250.2	219.2	241.4	245.7	256.2	261.2	261.5	249.2	251.3
35°	1180.0	721.1	211.8	205.1	228.0	227.0	241.8	244.6	224.2	207.2	209.0
37.5°	1205.7	657.0	190.0	194.2	204.8	212.9	224.2	205.5	200.9	193.1	194.2
40°	1253.7	602.3	176.9	187.5	188.9	202.0	184.7	187.2	187.5	182.6	183.6
42.5°	1309.7	556.9	169.2	183.6	180.1	182.2	164.9	169.9	175.2	173.1	173.4
45°	1337.9	512.5	162.5	170.2	171.3	151.2	147.3	152.6	159.3	160.4	160.7
47.5°	1312.9	470.2	155.4	150.9	157.9	137.8	133.2	135.0	142.7	147.0	147.7
50°	1236.4	421.5	144.9	133.6	129.7	123.7	119.5	119.8	128.6	136.0	137.5
52.5°	1128.9	370.8	127.6	113.1	104.3	108.9	110.0	107.9	116.0	123.4	124.8
55°	1024.6	307.3	101.2	92.0	83.9	93.8	96.6	93.8	96.2	101.2	101.5
57.5°	721.5	173.8	77.5	76.1	69.4	80.4	84.9	80.7	76.5	79.7	80.4
60°	334.5	90.9	59.6	59.6	57.8	69.1	76.8	70.8	62.7	64.1	65.2
62.5°	104.7	57.5	43.7	41.2	47.2	58.9	65.2	59.2	49.7	49.7	51.1
65°	59.2	49.3	34.5	31.7	38.4	47.2	51.1	44.8	36.3	35.6	35.6
67.5°	55.0	46.9	30.7	25.7	27.1	30.3	31.7	27.5	25.0	24.7	25.0
70°	45.5	39.1	24.7	17.6	16.6	16.2	16.9	15.9	15.2	15.5	16.6
72.5°	28.2	23.6	15.5	10.6	9.2	8.8	8.8	8.8	8.5	8.5	8.5
75°	10.2	8.8	7.0	5.3	4.6	4.2	4.2	4.6	4.2	3.9	3.5
77.5°	3.2	2.8	2.8	2.8	2.5	2.1	1.8	1.8	1.4	1.1	1.1
80°	1.8	1.8	1.8	1.8	1.4	1.4	1.1	0.7	0.4	0.4	0.0
82.5°	1.8	1.8	1.8	1.4	1.4	1.4	1.1	0.7	0.4	0.0	0.0
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.1	0.7	0.4	0.0	0.0
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.1	0.7	0.4	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)