

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: P632373

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632373
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
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
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9092.4 lumens
Efficiency: N/A
Efficacy: 143.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

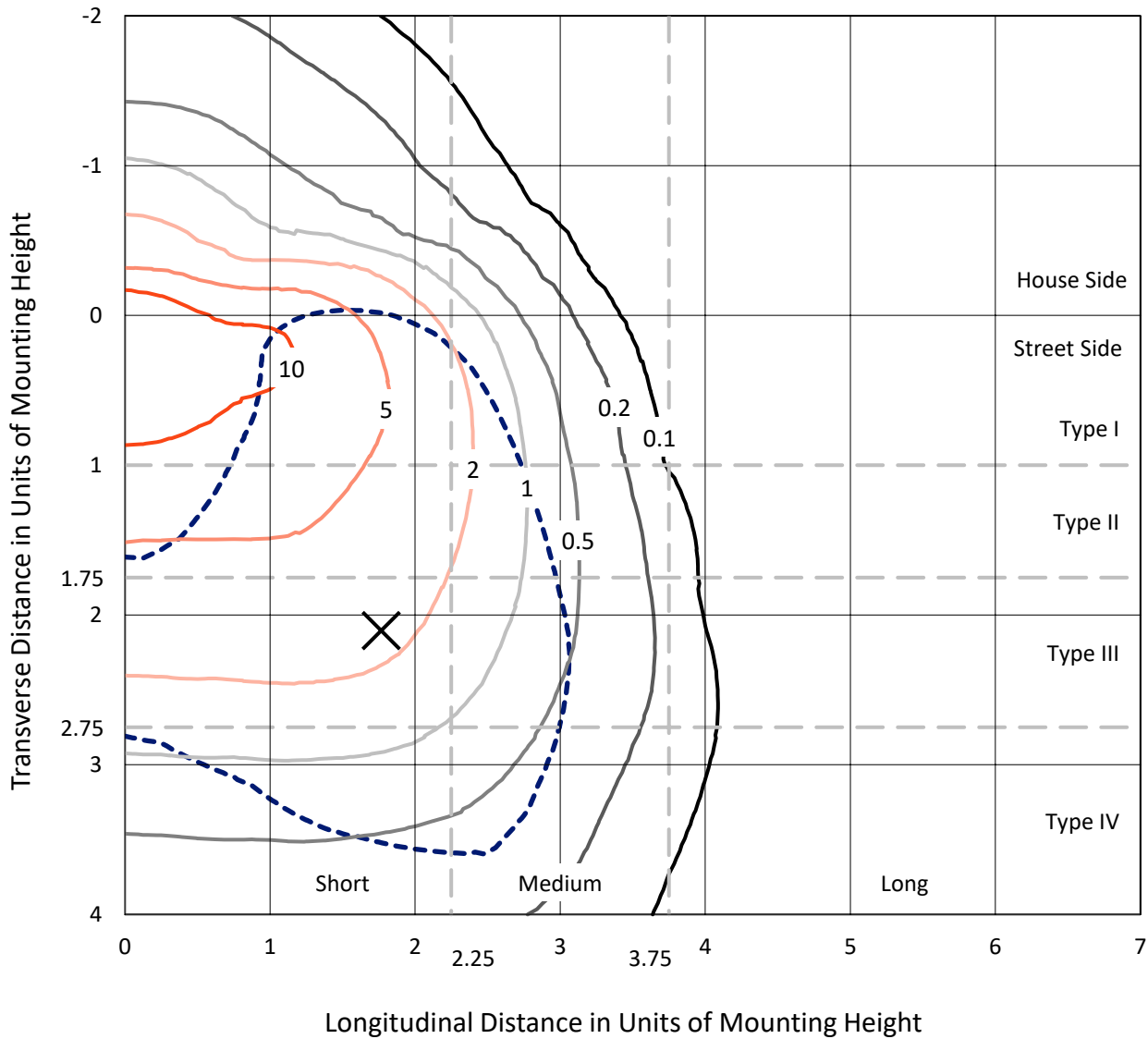
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632373
 CATALOG NUMBER: GWS-SA2C-750-U-SL4-W

Iso-Footcandle Lines of Horizontal Illumination

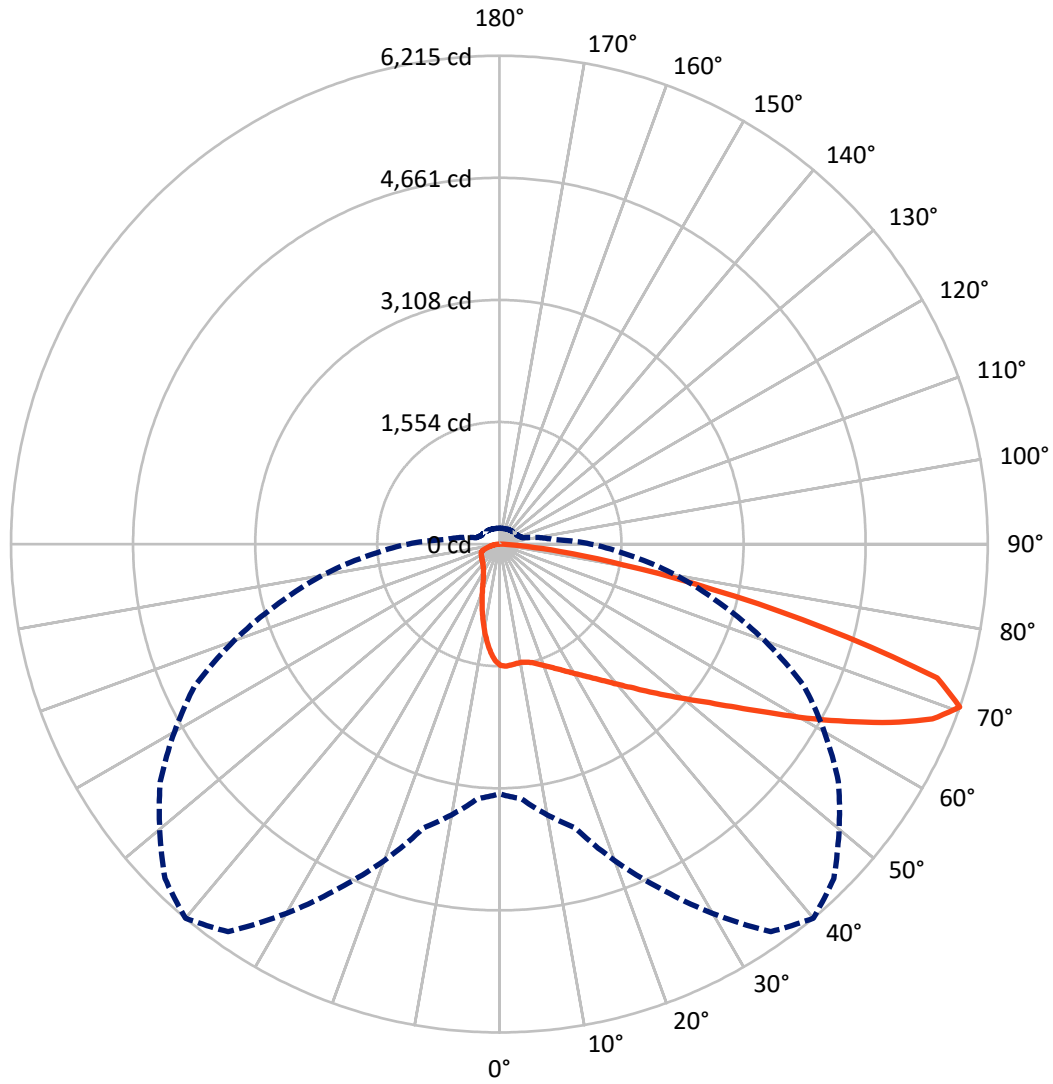
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P632373
CATALOG NUMBER: GWS-SA2C-750-U-SL4-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P632373

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

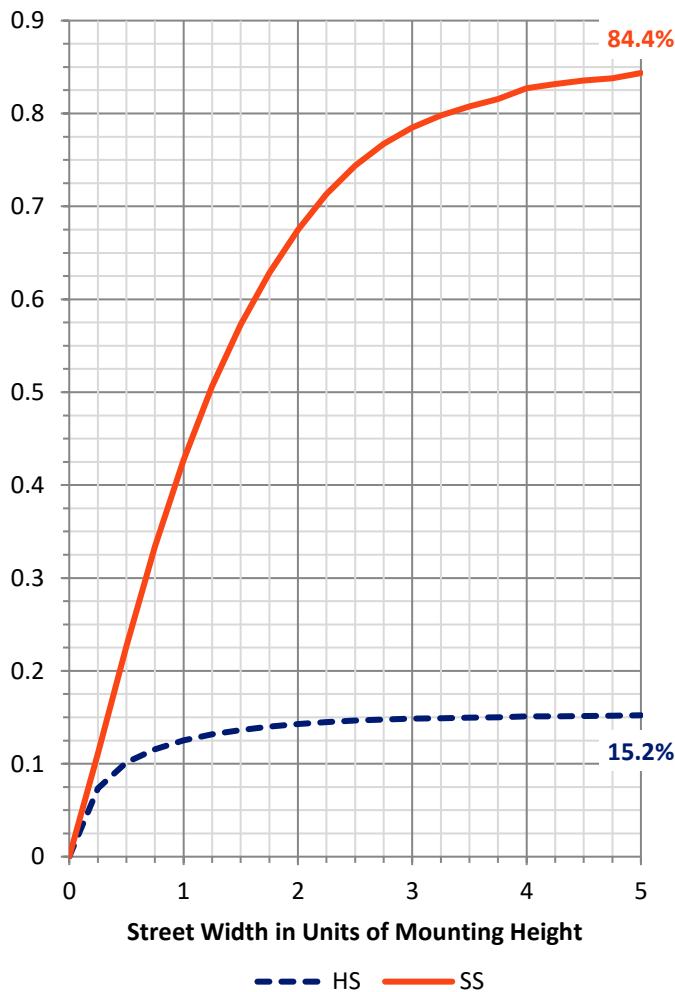
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1400.5	0.0	1400.5
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	7691.9	0.0	7691.9
	% Fixture	84.6	0.0	84.6
Total	Lumens	9092.4	0.0	9092.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.4	1.5
10°-20°	355.5	3.9
20°-30°	558.3	6.1
30°-40°	839.4	9.2
40°-50°	1295.6	14.2
50°-60°	1924.0	21.2
60°-70°	2425.2	26.7
70°-80°	1402.5	15.4
80°-90°	155.6	1.7
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°	9092.4	100.0
0°-180°	9092.4	100.0

Coefficient of Utilization



REPORT NUMBER: P632373

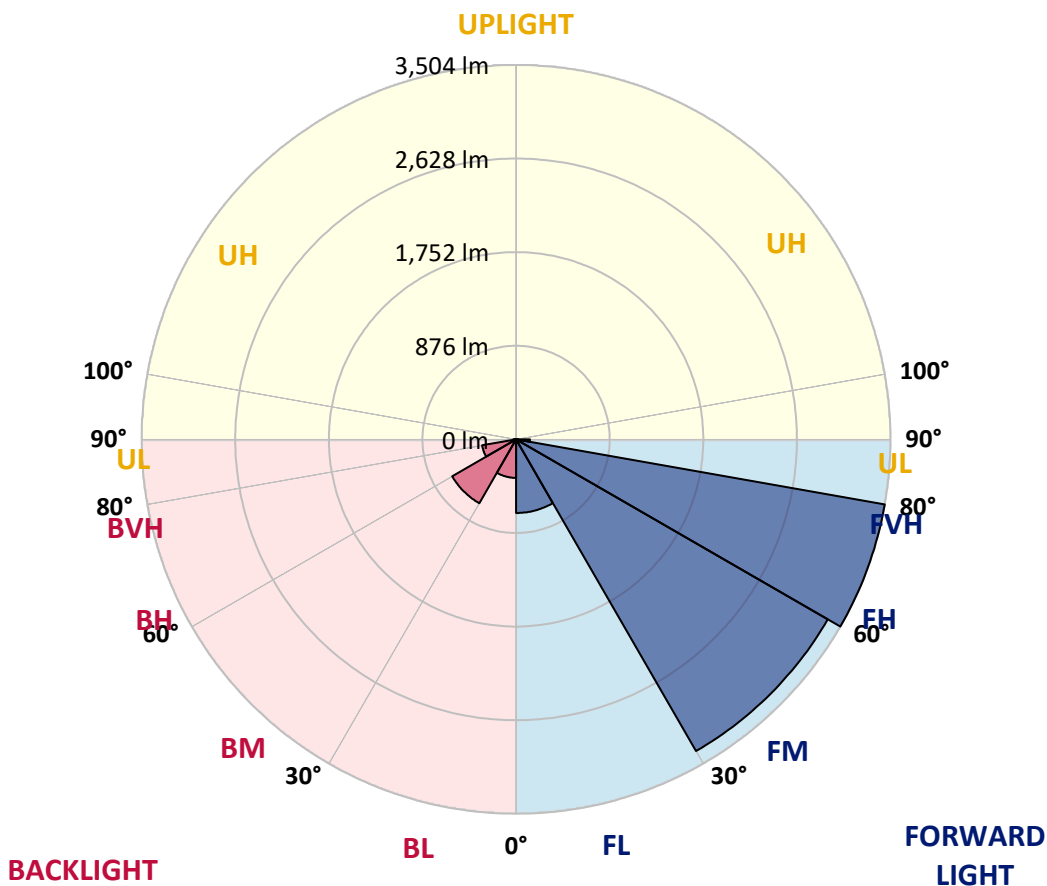
CATALOG NUMBER: GWS-SA2C-750-U-SL4-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	689.3	7.6			
FM (30°-60°)	3368.6	37.0			
FH (60°-80°)	3504.4	38.5			G2/5000
FVH (80°-90°)	129.6	1.4			G2/225
BL (0°-30°)	360.9	4.0	B1/500		
BM (30°-60°)	690.3	7.6	B1/1000		
BH (60°-80°)	323.2	3.6	B1/500		G1/500
BVH (80°-90°)	26.0	0.3			G1/100
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: P632373
 CATALOG NUMBER: GWS-SA2C-750-U-SL4-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1544.0	1544.0	1544.0	1544.0	1544.0	1544.0	1544.0	1544.0	1544.0	1544.0	1544.0
2.5°	1553.5	1556.2	1558.2	1561.0	1559.6	1555.5	1558.9	1558.9	1551.5	1543.3	1535.8
5°	1555.5	1558.9	1558.2	1557.6	1552.1	1545.4	1545.4	1541.3	1528.4	1515.5	1503.3
7.5°	1551.5	1550.8	1550.1	1548.1	1542.0	1534.5	1533.1	1525.0	1508.0	1490.4	1472.7
10°	1533.1	1532.5	1534.5	1539.2	1537.9	1531.1	1531.1	1523.6	1504.0	1482.2	1459.2
12.5°	1518.2	1518.2	1526.3	1539.2	1544.0	1541.3	1542.0	1536.5	1514.1	1488.3	1461.2
15°	1520.2	1520.9	1538.6	1559.6	1568.4	1566.4	1567.1	1561.0	1535.8	1510.1	1473.4
17.5°	1533.8	1537.2	1567.7	1596.9	1608.5	1605.8	1601.0	1590.8	1562.3	1533.1	1488.3
20°	1562.3	1567.7	1607.1	1643.8	1657.3	1651.2	1643.1	1622.7	1591.5	1559.6	1504.6
22.5°	1618.6	1622.0	1665.5	1701.4	1712.3	1704.8	1688.6	1659.4	1623.4	1590.1	1524.3
25°	1698.1	1702.1	1743.5	1776.8	1774.1	1765.2	1742.8	1706.9	1664.1	1628.8	1552.8
27.5°	1792.4	1799.2	1839.9	1866.4	1848.7	1835.8	1810.7	1767.3	1719.1	1687.2	1596.3
30°	1895.5	1898.3	1932.9	1959.3	1932.2	1914.6	1884.0	1837.2	1793.7	1770.0	1661.4
32.5°	1995.3	1998.0	2027.9	2042.8	2014.3	2001.4	1975.0	1925.4	1894.9	1882.0	1758.5
35°	2100.5	2099.8	2124.3	2137.2	2108.0	2102.5	2075.4	2037.4	2032.0	2048.9	1900.3
37.5°	2205.7	2199.6	2212.5	2229.5	2213.2	2218.6	2201.0	2188.1	2209.1	2253.2	2089.0
40°	2289.9	2289.9	2303.4	2324.5	2329.9	2353.7	2343.5	2360.4	2428.3	2533.5	2322.4
42.5°	2364.5	2365.2	2393.7	2426.3	2465.6	2502.3	2510.4	2554.5	2695.0	2860.0	2615.6
45°	2442.6	2443.2	2481.9	2529.4	2612.9	2682.8	2699.1	2798.2	2999.1	3200.0	2933.9
47.5°	2532.8	2525.4	2579.0	2658.4	2777.2	2877.6	2919.7	3060.2	3314.0	3561.0	3233.9
50°	2634.6	2619.0	2678.7	2815.8	2962.4	3100.2	3170.8	3331.6	3652.0	3894.3	3516.2
52.5°	2749.3	2740.5	2802.9	2969.9	3193.9	3352.7	3448.4	3659.4	3980.4	4226.1	3740.2
55°	2891.8	2870.8	2961.1	3173.5	3465.3	3667.6	3780.9	3983.8	4339.5	4527.5	3911.2
57.5°	3047.9	3024.9	3145.7	3428.0	3818.2	4040.2	4182.0	4349.0	4677.5	4758.2	4011.7
60°	3216.3	3208.8	3352.0	3726.6	4239.0	4496.9	4599.4	4750.8	4971.3	4891.9	3986.6
62.5°	3370.3	3367.6	3576.0	4050.4	4684.9	4968.6	5050.0	5090.1	5183.1	4883.1	3787.0
65°	3532.5	3555.6	3837.2	4425.7	5196.0	5474.2	5508.2	5406.4	5254.3	4651.7	3378.5
67.5°	3552.9	3597.7	4001.5	4777.2	5680.5	5943.2	5916.0	5526.5	5043.9	4007.6	2648.2
70°	3177.6	3255.6	3739.5	4830.8	6021.9	6215.3	6019.2	5267.9	4280.4	2903.4	1665.5
72.5°	2655.0	2722.2	3149.7	4119.6	5581.5	5827.8	5562.4	4458.9	3024.9	1665.5	848.3
75°	2066.6	2144.6	2538.9	3274.6	4178.6	4277.0	4144.0	3109.7	1662.8	686.8	385.5
77.5°	1261.0	1317.3	1624.1	2218.6	2923.7	2776.5	2353.0	1743.5	729.6	329.2	238.2
80°	557.9	592.5	800.2	1191.8	1689.2	1596.9	1258.9	744.5	399.1	209.0	166.3
82.5°	299.3	321.7	394.3	471.7	741.8	775.7	629.1	428.9	214.5	119.4	95.0
85°	131.7	144.6	179.2	171.0	243.6	239.6	241.6	294.5	102.5	55.0	61.8
87.5°	0.0	0.0	0.0	0.0	0.7	0.7	7.5	39.4	10.2	16.3	14.3
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: P632373
 CATALOG NUMBER: GWS-SA2C-750-U-SL4-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1544.0	1544.0	1544.0	1544.0	1544.0	1544.0	1544.0	1544.0	1544.0	1544.0	1544.0
2.5°	1527.7	1515.5	1512.1	1508.0	1500.6	1487.7	1478.2	1467.3	1462.6	1457.1	1457.8
5°	1489.7	1474.8	1460.5	1442.2	1419.1	1393.3	1375.7	1355.3	1344.5	1334.3	1337.0
7.5°	1457.1	1434.0	1404.9	1366.2	1324.8	1278.6	1241.3	1212.1	1192.4	1178.9	1185.7
10°	1436.8	1409.6	1358.7	1295.6	1225.7	1155.1	1101.5	1051.3	1020.1	995.6	994.3
12.5°	1432.7	1397.4	1323.4	1231.8	1130.7	1036.3	957.6	889.7	848.3	817.8	829.3
15°	1436.8	1392.0	1292.9	1172.8	1045.2	917.6	819.8	741.8	692.3	664.4	662.4
17.5°	1441.5	1386.5	1258.3	1109.0	955.6	809.7	696.3	613.5	562.6	534.8	535.5
20°	1445.6	1378.4	1217.5	1039.1	864.6	709.2	591.8	513.1	467.6	447.2	450.6
22.5°	1452.4	1370.3	1174.1	964.4	771.7	612.2	509.0	445.2	418.1	404.5	405.2
25°	1465.3	1365.5	1129.3	883.0	680.0	534.8	452.0	409.2	392.3	384.1	383.5
27.5°	1491.7	1369.6	1082.5	804.2	597.2	475.8	415.4	387.5	376.0	370.6	369.9
30°	1535.8	1385.9	1041.8	724.2	526.0	429.6	390.2	373.3	366.5	361.7	361.1
32.5°	1603.0	1416.4	997.7	649.5	468.3	395.7	370.6	361.7	357.0	354.3	354.3
35°	1704.8	1472.1	954.2	584.3	423.5	369.2	354.9	351.6	347.5	346.1	347.5
37.5°	1851.4	1561.0	914.9	527.3	391.6	348.8	338.0	339.3	335.9	338.0	340.0
40°	2037.4	1679.7	881.6	480.5	367.8	333.9	323.1	327.8	325.8	327.8	331.2
42.5°	2272.9	1827.0	856.5	443.9	350.9	321.7	311.5	316.3	314.9	317.6	321.0
45°	2535.5	2021.1	845.0	418.1	338.7	312.9	302.0	305.4	304.0	306.1	309.5
47.5°	2787.3	2197.6	855.1	403.1	328.5	305.4	293.9	295.2	294.5	293.9	295.9
50°	3004.5	2338.0	884.3	398.4	321.7	297.9	287.1	287.8	285.7	281.7	283.0
52.5°	3181.6	2450.7	902.0	398.4	318.3	289.8	279.6	280.3	276.2	270.8	271.5
55°	3298.4	2496.2	887.7	397.7	316.9	283.0	272.2	272.8	268.8	262.0	262.6
57.5°	3331.6	2452.1	828.0	390.2	315.6	277.6	264.7	266.0	263.3	255.9	255.9
60°	3238.7	2290.5	718.7	373.3	312.2	274.2	259.3	261.3	259.9	252.5	252.5
62.5°	2995.0	2003.5	588.4	347.5	302.7	270.1	254.5	258.6	262.0	257.9	257.2
65°	2538.9	1605.1	478.5	319.0	290.5	263.3	247.7	257.9	265.4	270.8	270.8
67.5°	1905.1	1149.0	390.2	289.1	272.2	249.8	238.9	248.4	253.8	257.2	259.3
70°	1161.2	676.0	307.4	254.5	245.7	229.4	221.2	211.7	204.3	202.9	203.6
72.5°	568.1	386.8	249.8	216.5	209.7	194.8	176.5	172.4	169.0	167.0	166.3
75°	312.9	269.4	206.3	179.8	167.6	149.3	145.2	138.5	137.1	134.4	135.1
77.5°	221.2	212.4	170.3	145.9	127.6	118.1	120.1	115.4	115.4	113.3	112.7
80°	166.3	167.0	131.0	106.6	94.3	90.9	93.0	93.0	91.6	90.9	90.3
82.5°	105.2	118.8	88.2	68.5	67.2	67.9	67.2	66.5	67.9	65.8	65.2
85°	72.6	85.5	53.6	40.7	40.7	40.0	41.4	40.7	42.1	40.0	40.0
87.5°	16.3	38.0	19.7	12.2	12.9	12.2	12.9	13.6	14.9	15.6	15.6
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)