

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: P637058

Luminaire Tested: GWS-SA4C-722-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637058
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-722-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8493.3 lumens
Efficiency: N/A
Efficacy: 66.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

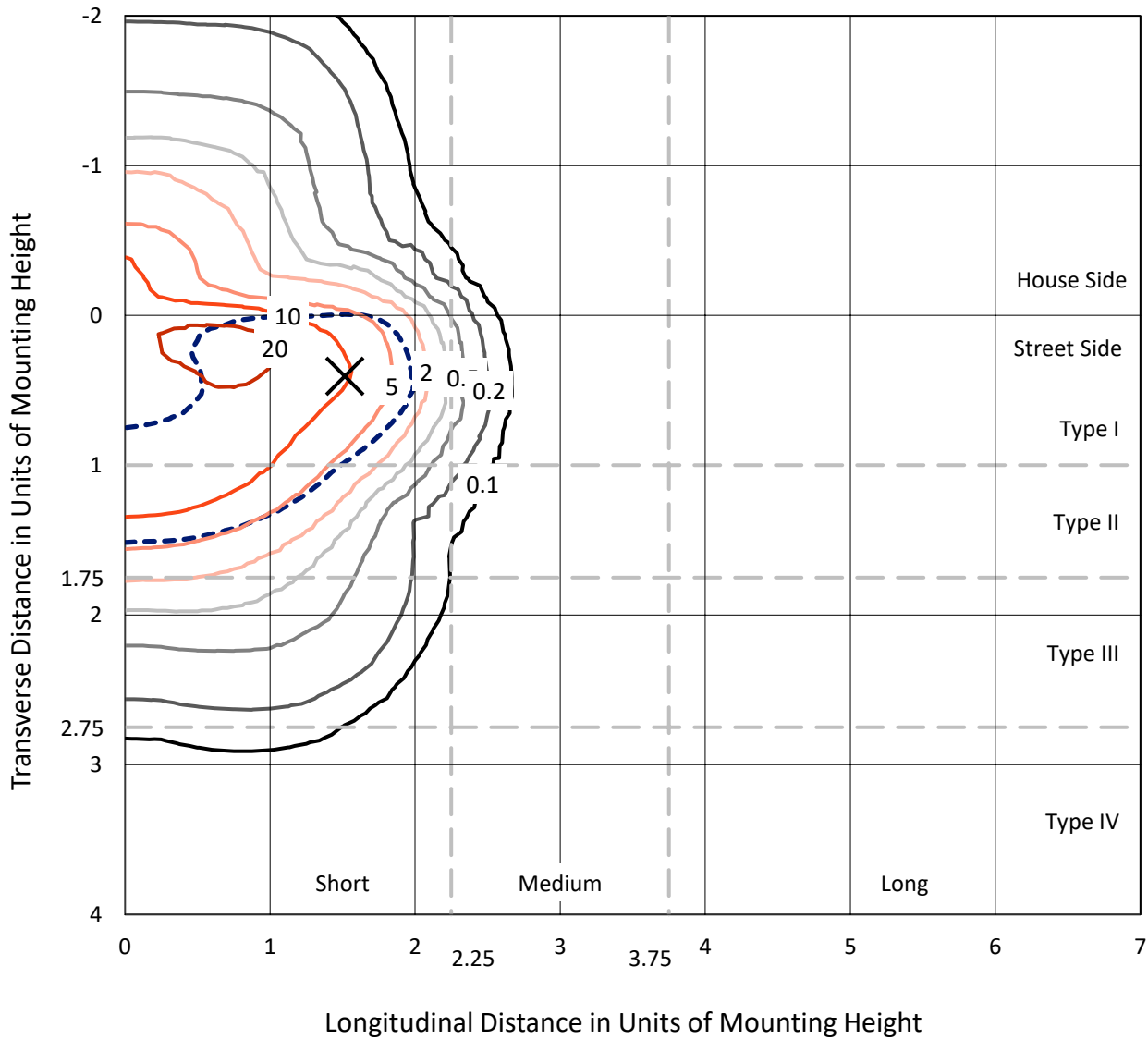
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637058
 CATALOG NUMBER: GWS-SA4C-722-U-T2-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

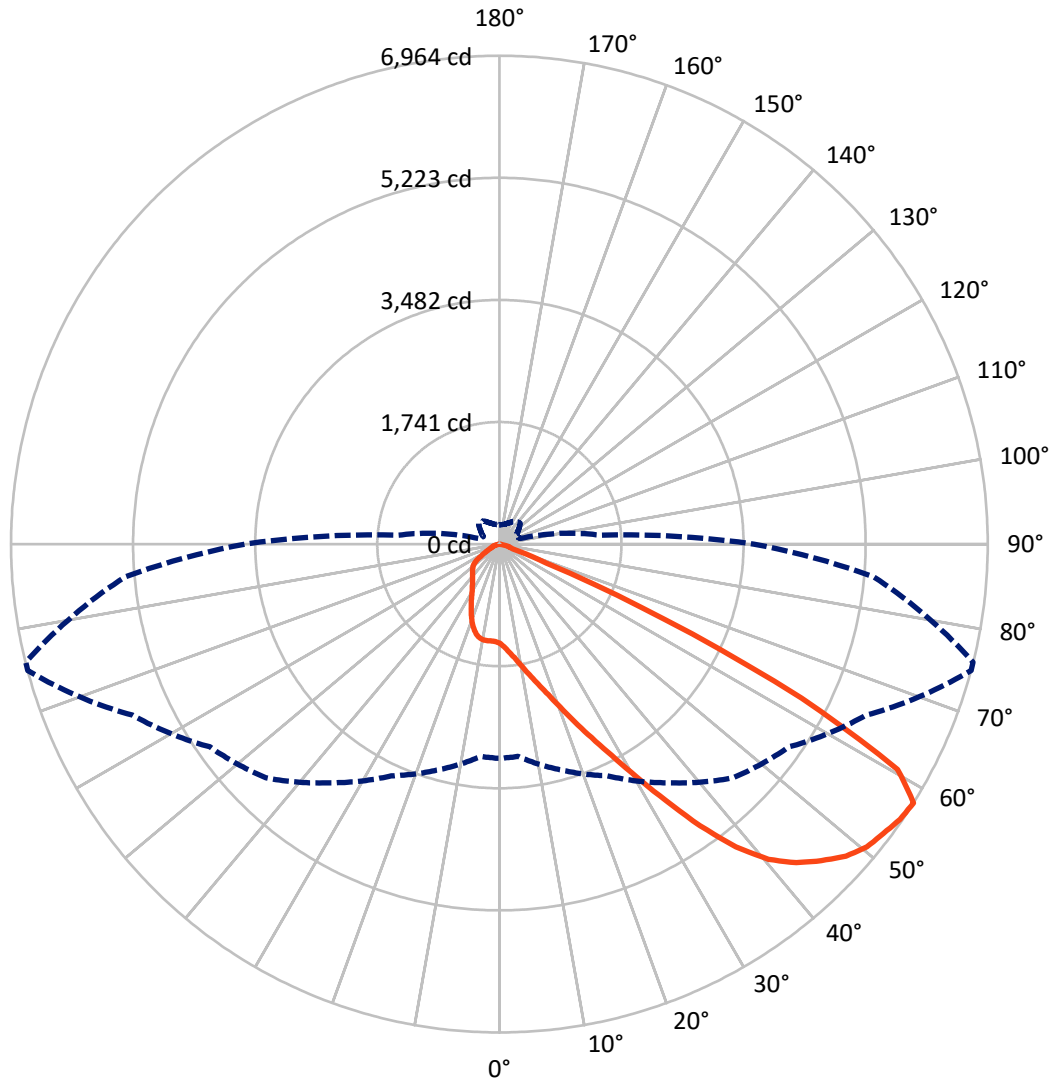
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 26.5 fc
 Type II - Short - N/A

REPORT NUMBER: P637058
CATALOG NUMBER: GWS-SA4C-722-U-T2-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P637058

CATALOG NUMBER: GWS-SA4C-722-U-T2-W-GRSBK

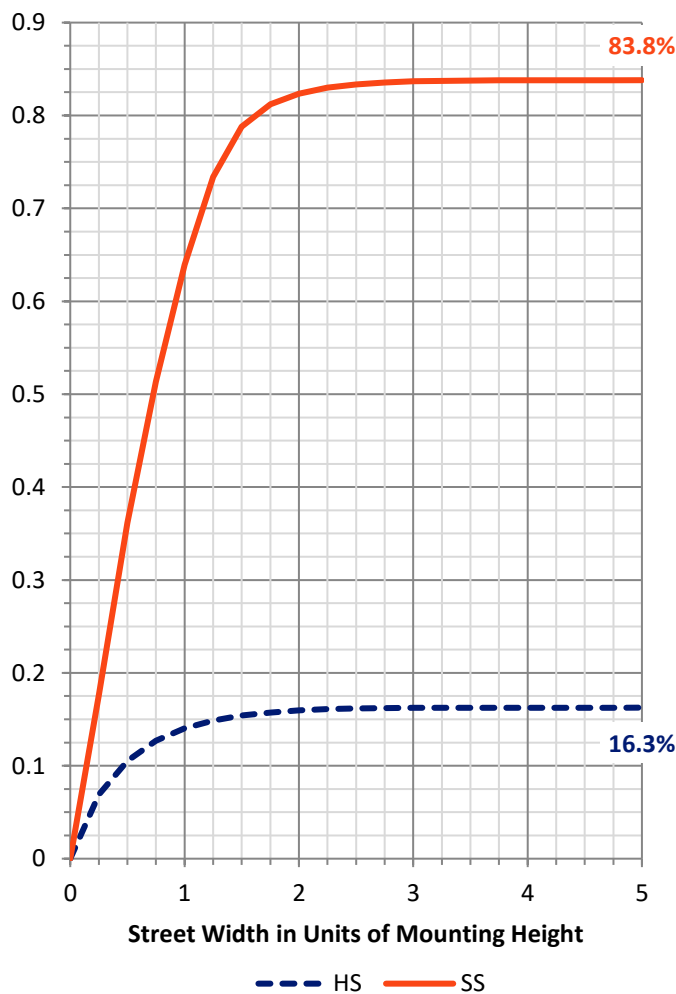
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1387.4	0.0	1387.4
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	7105.9	0.0	7105.9
	% Fixture	83.7	0.0	83.7
Total	Lumens	8493.3	0.0	8493.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.1	1.7
10°-20°	468.3	5.5
20°-30°	857.5	10.1
30°-40°	1422.6	16.8
40°-50°	2172.7	25.6
50°-60°	2441.4	28.7
60°-70°	900.5	10.6
70°-80°	86.1	1.0
80°-90°	0.1	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°	8493.3	100.0
0°-180°	8493.3	100.0

Coefficient of Utilization



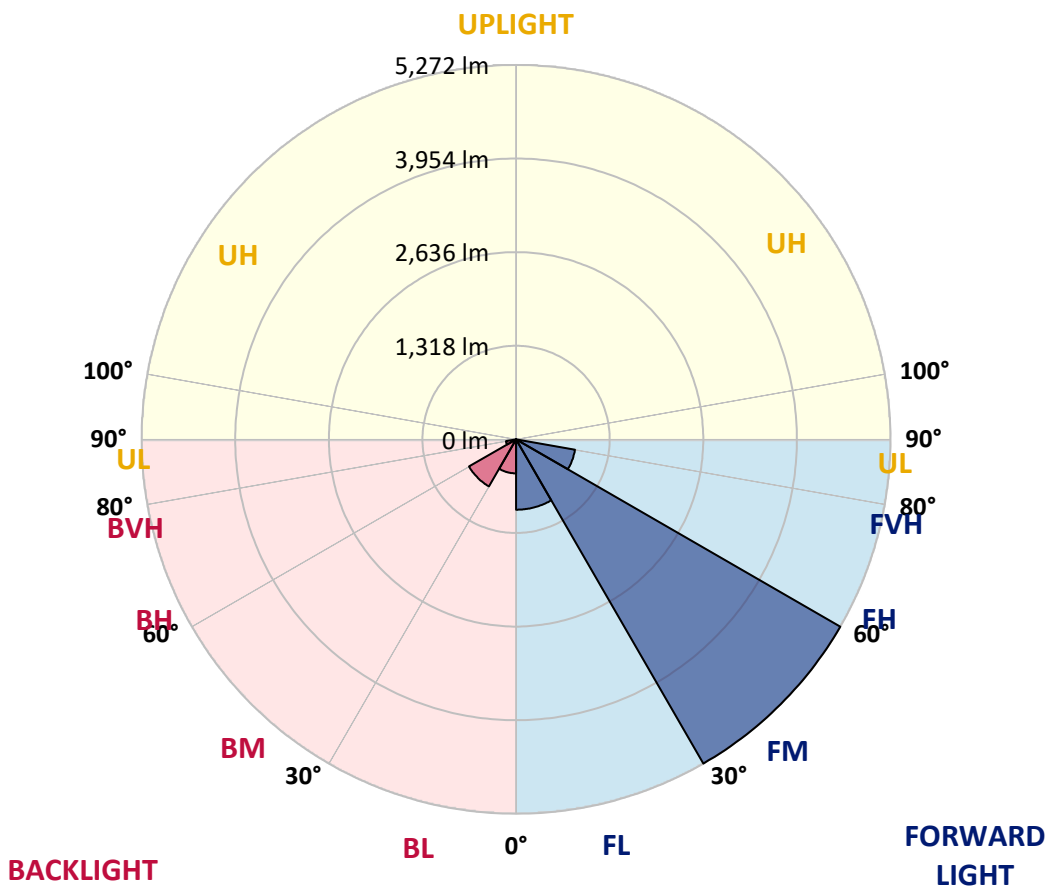
REPORT NUMBER: P637058

CATALOG NUMBER: GWS-SA4C-722-U-T2-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	991.2	11.7			
FM (30°-60°)	5272.2	62.1			
FH (60°-80°)	842.5	9.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	478.7	5.6	B1/500		
BM (30°-60°)	764.5	9.0	B1/1000		
BH (60°-80°)	144.1	1.7	B1/500		G1/500
BVH (80°-90°)	0.0	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-G1
 Type II Short





REPORT NUMBER: P637058

CATALOG NUMBER: GWS-SA4C-722-U-T2-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6
2.5°	1582.6	1599.0	1593.9	1583.6	1577.5	1556.0	1542.6	1503.7	1476.0	1472.9	1447.3
5°	1782.5	1779.4	1775.3	1763.0	1752.8	1718.9	1679.0	1613.4	1554.9	1547.8	1493.4
7.5°	1892.2	1894.2	1896.3	1894.2	1887.0	1861.4	1817.3	1740.5	1651.3	1645.1	1559.0
10°	1937.3	1941.4	1951.6	1971.1	1988.5	1986.5	1960.8	1881.9	1772.2	1762.0	1646.2
12.5°	1958.8	1963.9	1980.3	2017.2	2064.4	2101.3	2105.4	2034.6	1913.7	1897.3	1749.7
15°	1988.5	1993.6	2014.1	2062.3	2131.0	2203.8	2250.9	2205.8	2070.5	2053.1	1863.5
17.5°	2001.8	2009.0	2038.7	2102.3	2191.5	2303.2	2409.8	2405.7	2256.0	2242.7	1995.7
20°	2027.5	2032.6	2059.2	2127.9	2235.5	2396.5	2575.9	2640.4	2482.6	2463.1	2155.6
22.5°	2108.4	2110.5	2122.8	2165.8	2266.3	2464.1	2745.0	2914.1	2750.1	2724.5	2335.0
25°	2240.7	2239.6	2244.8	2251.9	2325.7	2532.8	2908.0	3222.6	3056.6	3028.9	2537.9
27.5°	2408.8	2408.8	2421.1	2400.6	2430.3	2617.9	3068.9	3577.3	3413.3	3374.3	2760.4
30°	2606.6	2605.6	2634.3	2601.5	2610.7	2752.2	3242.1	3963.7	3843.8	3795.6	3016.6
32.5°	2875.2	2869.0	2901.8	2856.7	2826.0	2955.1	3453.3	4367.6	4359.4	4285.6	3338.5
35°	3214.4	3204.2	3214.4	3170.4	3115.0	3239.0	3730.0	4770.4	4931.3	4853.4	3721.8
37.5°	3551.7	3584.5	3595.7	3519.9	3474.8	3598.8	4063.1	5131.2	5477.7	5396.7	4120.5
40°	3949.4	3939.1	3978.1	3893.0	3864.3	4001.6	4389.1	5399.8	5910.2	5833.3	4475.2
42.5°	4242.5	4261.0	4309.1	4262.0	4239.4	4368.6	4662.8	5556.6	6210.5	6134.7	4728.4
45°	4594.1	4607.4	4625.9	4586.9	4563.3	4690.4	4860.6	5625.3	6439.1	6357.1	4898.5
47.5°	4974.4	4984.6	4984.6	4904.7	4828.8	4881.1	4992.8	5664.2	6649.2	6570.3	5024.6
50°	5247.0	5252.2	5297.3	5240.9	5075.9	4994.9	5053.3	5702.1	6788.6	6714.8	5065.6
52.5°	5005.1	4999.0	5147.6	5264.5	5308.5	5147.6	5157.9	5757.5	6856.3	6792.7	5098.4
55°	4214.8	4204.6	4413.7	4697.6	5086.1	5292.1	5283.9	5790.3	6931.1	6892.2	5217.3
57.5°	3055.6	3038.1	3329.2	3644.9	4154.4	4713.0	5041.0	5771.8	6963.9	6960.8	5355.7
60°	1836.8	1822.5	2097.2	2429.3	2822.9	3384.6	3928.9	5170.2	6525.2	6531.4	4995.9
62.5°	1130.6	1143.9	1392.0	1561.1	1707.7	1876.8	2191.5	3477.9	4833.9	4873.9	3510.7
65°	760.6	770.8	1000.4	1213.6	1213.6	992.2	851.8	1662.6	2578.9	2511.3	1660.5
67.5°	510.5	521.7	703.2	952.2	988.1	691.9	345.4	496.1	718.5	697.0	411.0
70°	300.3	312.6	468.4	652.9	719.6	481.8	230.6	210.1	204.0	197.8	159.9
72.5°	134.3	139.4	238.8	332.1	303.4	203.0	163.0	168.1	158.9	155.8	130.2
75°	41.0	43.1	61.5	71.8	72.8	72.8	98.4	132.2	125.1	126.1	100.5
77.5°	10.3	10.3	16.4	15.4	8.2	7.2	18.5	29.7	30.8	27.7	20.5
80°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P637058

CATALOG NUMBER: GWS-SA4C-722-U-T2-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6
2.5°	1436.0	1409.4	1392.0	1367.4	1349.9	1331.5	1315.1	1301.8	1294.6	1292.5	1293.6
5°	1468.8	1426.8	1385.8	1338.7	1305.9	1275.1	1250.5	1231.0	1221.8	1218.7	1218.7
7.5°	1519.1	1460.6	1387.9	1314.1	1258.7	1210.5	1181.8	1160.3	1152.1	1150.1	1143.9
10°	1584.7	1504.7	1384.8	1270.0	1192.1	1141.9	1121.4	1115.2	1118.3	1119.3	1118.3
12.5°	1663.6	1550.8	1365.3	1205.4	1121.4	1090.6	1092.7	1109.1	1127.5	1136.7	1138.8
15°	1747.6	1592.9	1321.2	1128.5	1060.9	1059.9	1089.6	1127.5	1163.4	1178.8	1182.9
17.5°	1841.9	1626.7	1253.6	1046.5	1008.6	1038.3	1091.6	1150.1	1198.2	1223.9	1229.0
20°	1945.5	1654.4	1167.5	969.7	962.5	1015.8	1089.6	1161.3	1220.8	1249.5	1254.6
22.5°	2053.1	1673.8	1068.1	898.9	920.5	990.2	1070.1	1139.8	1196.2	1229.0	1233.1
25°	2176.1	1675.9	966.6	839.5	881.5	955.3	1023.0	1080.4	1127.5	1156.2	1159.3
27.5°	2283.7	1651.3	876.4	791.3	845.6	912.3	957.4	989.1	1021.9	1038.3	1039.4
30°	2407.7	1608.2	791.3	752.4	808.7	859.0	881.5	888.7	891.8	894.8	890.7
32.5°	2555.4	1556.0	727.8	714.4	766.7	800.5	806.7	792.3	774.9	750.3	744.2
35°	2736.8	1508.8	675.5	677.5	720.6	741.1	736.0	705.2	671.4	641.7	636.5
37.5°	2933.6	1468.8	635.5	641.7	670.4	684.7	669.3	635.5	620.1	594.5	595.5
40°	3107.8	1436.0	599.6	605.8	619.1	632.4	607.8	585.3	614.0	611.9	614.0
42.5°	3231.9	1408.4	568.9	565.8	575.0	584.3	565.8	554.5	602.7	589.4	596.6
45°	3304.6	1382.7	543.3	524.8	539.2	555.6	543.3	528.9	545.3	483.8	478.7
47.5°	3353.8	1368.4	520.7	484.8	510.5	539.2	513.5	478.7	455.1	401.8	397.7
50°	3359.0	1361.2	494.1	443.8	476.6	507.4	477.7	429.5	395.7	372.1	369.0
52.5°	3385.6	1375.6	457.2	391.6	427.4	476.6	456.1	408.0	361.8	341.3	337.2
55°	3504.5	1436.0	395.7	319.8	372.1	453.1	438.7	363.9	319.8	307.5	304.4
57.5°	3627.5	1448.3	311.6	253.2	323.9	419.2	400.8	335.2	292.1	277.8	274.7
60°	3316.9	1193.1	233.7	209.1	286.0	387.5	371.1	317.8	267.5	250.1	247.0
62.5°	2179.2	644.7	185.5	177.3	240.9	328.0	338.3	287.0	238.8	220.4	219.4
65°	1004.5	299.3	142.5	140.4	188.6	261.4	291.1	251.1	201.9	185.5	185.5
67.5°	273.7	148.6	111.7	103.5	128.1	175.3	212.2	187.6	143.5	124.0	123.0
70°	136.3	119.9	100.5	89.2	92.3	108.7	125.1	104.6	72.8	59.5	58.4
72.5°	111.7	98.4	85.1	75.9	69.7	66.6	64.6	52.3	33.8	25.6	24.6
75°	83.0	70.7	60.5	49.2	42.0	39.0	34.9	25.6	14.4	8.2	7.2
77.5°	18.5	17.4	16.4	12.3	11.3	9.2	7.2	5.1	2.1	0.0	0.0
80°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)