

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: P632396

Luminaire Tested: GWS-SA2C-750-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632396
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-750-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8300.4 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

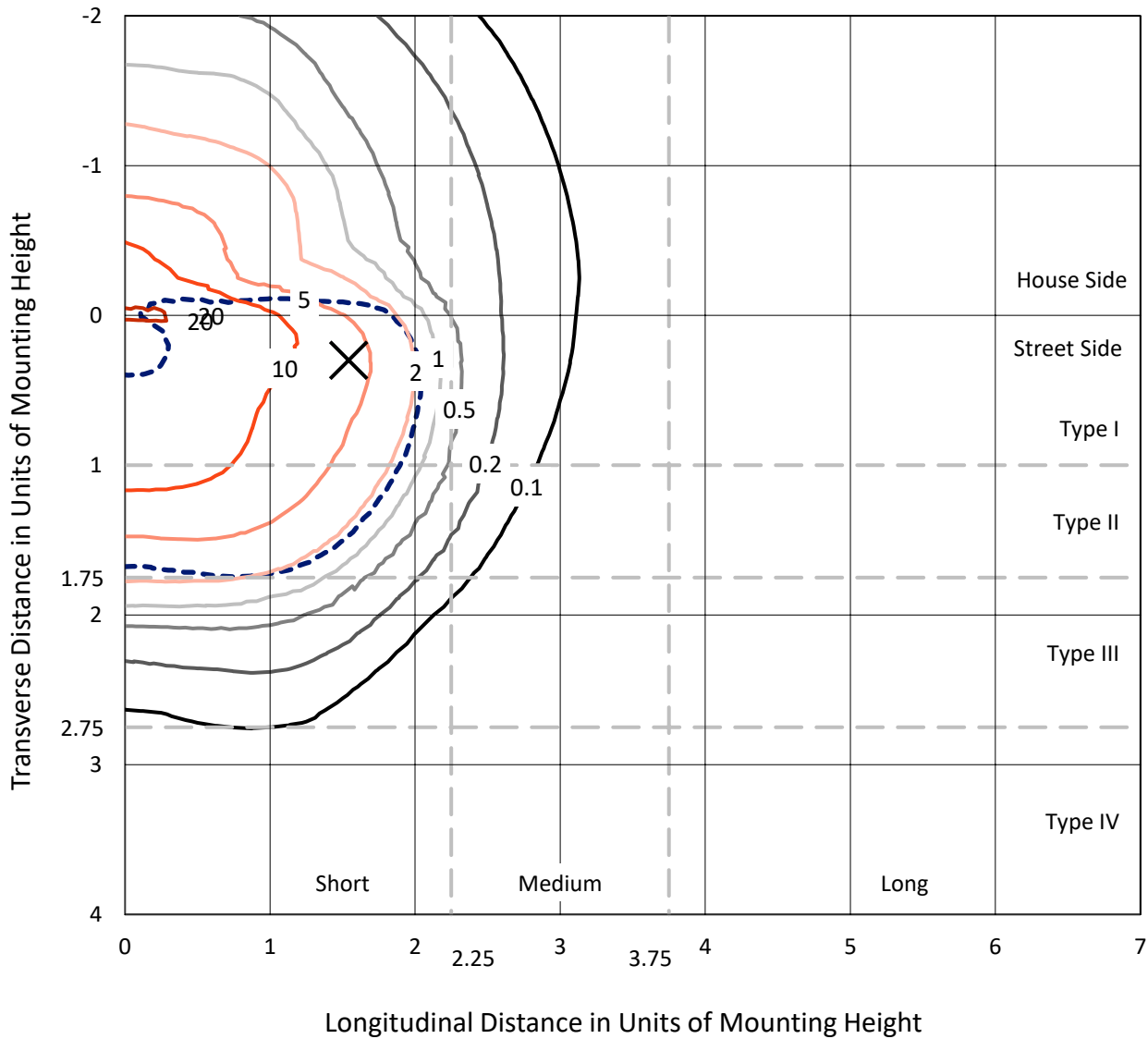
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

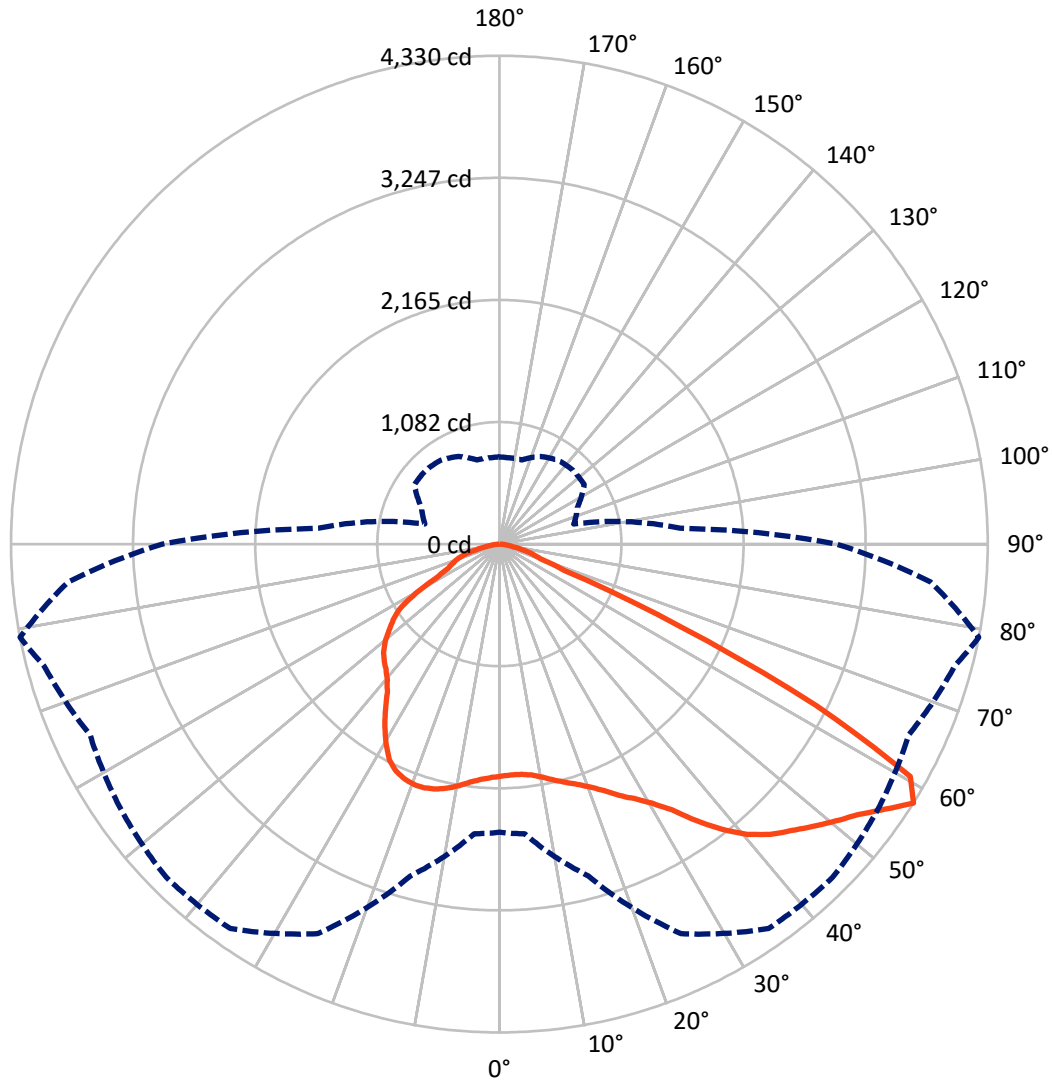
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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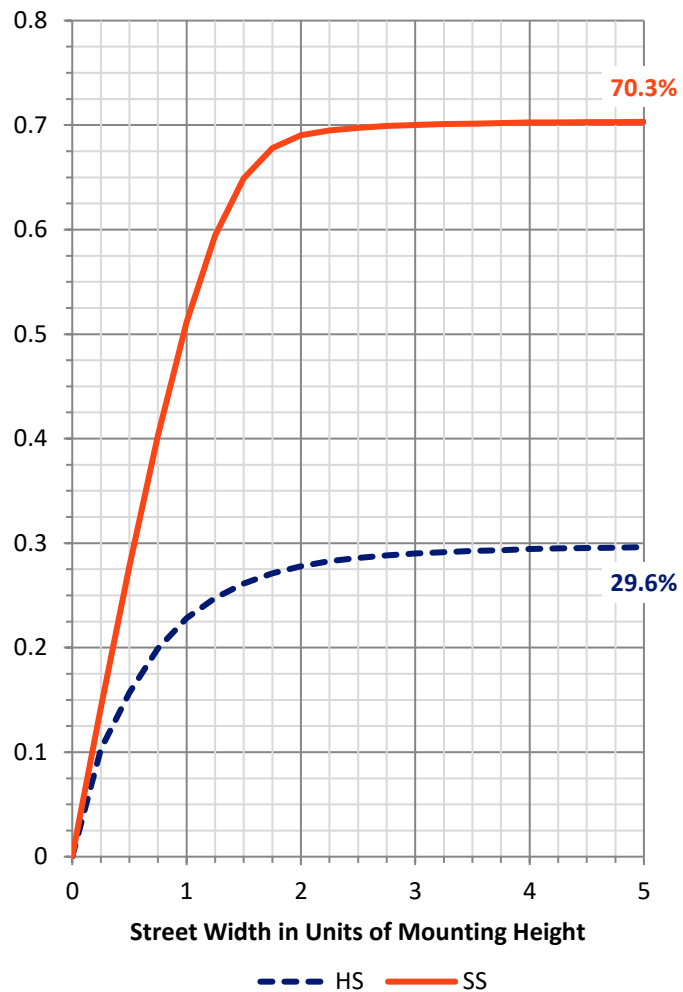
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2467.3	0.0	2467.3
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	5833.1	0.0	5833.1
	% Fixture	70.3	0.0	70.3
Total	Lumens	8300.4	0.0	8300.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.5	2.3
10°-20°	529.4	6.4
20°-30°	897.3	10.8
30°-40°	1373.5	16.5
40°-50°	1831.4	22.1
50°-60°	2115.2	25.5
60°-70°	1099.1	13.2
70°-80°	233.6	2.8
80°-90°	30.3	0.4
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°	8300.4	100.0
0°-180°	8300.4	100.0

Coefficient of Utilization



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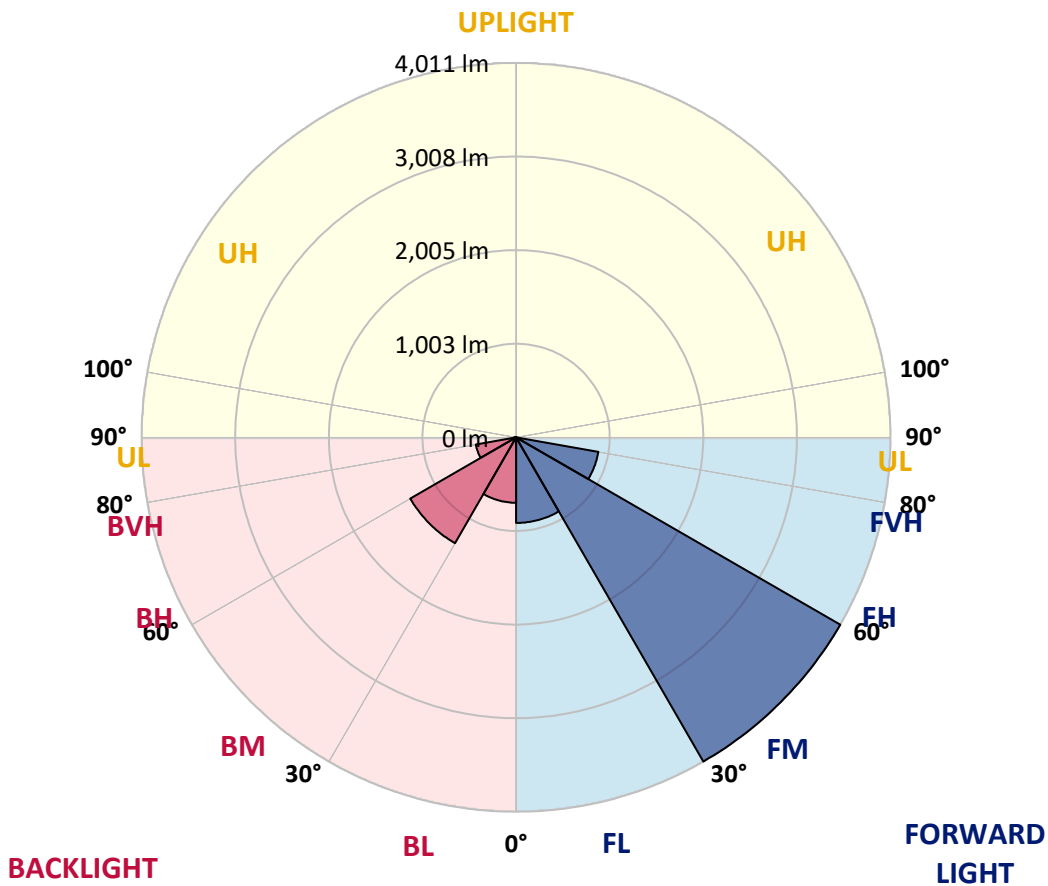
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	916.6	11.0			
FM (30°-60°)	4011.0	48.3			
FH (60°-80°)	895.0	10.8			G1/1800
FVH (80°-90°)	10.5	0.1			G1/100
BL (0°-30°)	700.7	8.4	B2/1000		
BM (30°-60°)	1309.1	15.8	B2/2500		
BH (60°-80°)	437.8	5.3	B1/500		G1/500
BVH (80°-90°)	19.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	2057.0	2057.0	2057.0	2057.0	2057.0	2057.0	2057.0	2057.0	2057.0	2057.0	2057.0
2.5°	1963.4	1959.3	1960.7	1966.1	1986.4	2001.4	2017.0	2031.2	2044.8	2048.9	2052.3
5°	1893.5	1886.0	1888.0	1896.9	1920.6	1945.7	1973.6	2007.5	2040.1	2050.9	2065.2
7.5°	1843.9	1842.6	1846.0	1859.5	1884.7	1908.4	1944.4	1992.6	2048.9	2067.2	2092.3
10°	1778.1	1775.4	1789.0	1816.8	1858.2	1896.2	1938.9	1996.0	2074.7	2101.8	2140.5
12.5°	1725.8	1724.5	1738.7	1777.4	1830.4	1890.8	1949.8	2013.6	2109.3	2146.6	2194.1
15°	1756.4	1750.3	1751.0	1778.1	1825.6	1896.9	1976.9	2045.5	2143.9	2191.4	2252.5
17.5°	1845.3	1834.4	1826.3	1831.0	1858.2	1932.2	2018.3	2088.2	2183.9	2239.6	2314.2
20°	1968.1	1962.0	1939.6	1924.7	1930.8	1996.0	2083.5	2148.7	2236.2	2298.6	2378.7
22.5°	2133.0	2118.1	2087.6	2063.8	2045.5	2096.4	2177.2	2233.5	2308.8	2374.0	2457.4
25°	2337.3	2315.6	2267.4	2230.1	2190.7	2243.0	2314.9	2357.7	2408.6	2469.0	2548.4
27.5°	2545.7	2527.3	2473.7	2423.5	2374.6	2407.2	2492.7	2517.2	2511.7	2555.8	2623.7
30°	2767.6	2744.5	2693.6	2639.3	2576.2	2597.2	2673.9	2686.2	2628.5	2665.1	2711.3
32.5°	3001.7	2979.3	2935.2	2872.1	2800.8	2809.0	2830.0	2841.6	2786.6	2807.6	2842.9
35°	3239.9	3218.9	3174.1	3111.7	3059.4	3009.9	2956.9	3003.1	2971.2	3011.9	3009.2
37.5°	3457.8	3436.8	3408.9	3360.7	3271.2	3173.4	3051.3	3108.3	3157.8	3209.4	3200.6
40°	3605.1	3590.8	3597.6	3590.1	3474.8	3281.3	3097.4	3159.9	3294.9	3383.1	3378.4
42.5°	3732.0	3717.7	3757.1	3785.6	3649.9	3381.1	3119.8	3179.5	3382.5	3520.2	3513.4
45°	3788.3	3784.2	3849.4	3939.6	3810.0	3487.0	3177.5	3220.3	3449.0	3625.4	3599.6
47.5°	3721.1	3735.4	3863.6	4016.3	3943.0	3612.5	3295.6	3306.5	3535.8	3739.4	3666.8
50°	3587.4	3618.6	3791.7	4018.4	4040.1	3754.4	3459.2	3432.0	3652.6	3860.9	3702.1
52.5°	3392.6	3425.2	3707.5	4002.8	4095.7	3918.6	3677.0	3638.3	3799.8	3982.4	3708.2
55°	2945.4	2989.5	3514.8	3967.5	4150.0	4067.9	3922.7	3844.0	3989.9	4149.4	3768.6
57.5°	2555.2	2578.2	3045.2	3810.7	4160.9	4177.9	4097.8	4004.1	4178.5	4329.9	3836.5
60°	1875.1	1880.6	2300.7	3153.1	3827.7	4114.1	4083.5	3944.4	4089.0	4185.3	3525.7
62.5°	1059.4	1060.1	1395.3	2104.5	2859.2	3353.3	3372.3	3249.4	3128.0	3156.5	2454.0
65°	397.7	435.0	637.3	1034.3	1648.5	1979.7	2058.4	2086.9	1884.7	1759.1	1315.9
67.5°	266.0	274.9	371.9	532.1	733.6	847.0	947.4	950.1	695.0	619.6	518.5
70°	202.9	211.7	292.5	380.7	371.9	343.4	371.2	361.0	373.3	383.4	394.3
72.5°	151.3	160.2	226.7	268.8	223.3	219.9	249.1	276.9	302.7	313.5	330.5
75°	100.4	107.2	152.7	143.9	123.5	145.9	181.9	209.7	224.6	237.5	250.4
77.5°	63.8	68.5	81.4	65.8	68.5	85.5	105.9	131.0	145.2	158.1	164.9
80°	29.2	28.5	27.8	31.2	38.7	50.2	63.8	78.7	89.6	95.0	99.1
82.5°	11.5	12.9	14.3	17.0	21.0	27.1	36.0	46.1	55.0	56.3	59.7
85°	4.8	5.4	6.1	7.5	9.5	12.2	14.9	21.0	26.5	28.5	30.5
87.5°	0.0	0.0	0.0	0.0	0.7	1.4	2.0	3.4	6.1	6.8	7.5
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°	2057.0	2057.0	2057.0	2057.0	2057.0	2057.0	2057.0	2057.0	2057.0	2057.0	2057.0
2.5°	2070.6	2061.8	2076.7	2086.9	2096.4	2086.2	2082.8	2074.0	2072.6	2072.6	2077.4
5°	2089.6	2083.5	2099.1	2105.2	2104.5	2082.1	2068.6	2050.9	2042.1	2042.1	2043.5
7.5°	2123.5	2120.1	2129.0	2119.5	2097.8	2052.3	2007.5	1970.2	1945.1	1932.2	1936.2
10°	2179.9	2175.8	2168.3	2133.0	2070.6	1976.3	1884.7	1816.8	1776.1	1753.0	1754.3
12.5°	2234.8	2228.1	2201.6	2123.5	1995.3	1845.3	1725.2	1649.2	1604.4	1577.2	1571.1
15°	2295.2	2277.6	2220.6	2074.7	1872.4	1685.1	1559.6	1477.5	1429.3	1413.0	1412.3
17.5°	2352.9	2321.7	2218.6	1987.8	1725.2	1517.5	1391.3	1340.4	1332.2	1339.7	1341.7
20°	2411.3	2361.1	2196.2	1867.7	1550.1	1350.5	1285.4	1306.4	1337.0	1357.3	1362.1
22.5°	2471.7	2393.6	2145.3	1712.9	1365.5	1237.9	1265.0	1311.2	1349.2	1376.3	1379.0
25°	2539.6	2424.2	2069.2	1523.6	1217.5	1206.7	1260.3	1309.1	1349.9	1381.1	1386.5
27.5°	2578.2	2424.9	1962.7	1328.8	1149.7	1194.4	1248.7	1294.9	1335.6	1369.5	1375.7
30°	2616.3	2406.5	1793.7	1170.7	1130.0	1180.2	1229.1	1271.8	1310.5	1343.8	1351.2
32.5°	2669.9	2389.6	1598.9	1079.8	1118.4	1166.6	1206.7	1244.7	1274.5	1289.5	1293.5
35°	2736.4	2367.9	1391.9	1040.4	1111.0	1155.8	1191.1	1211.4	1172.7	1164.6	1173.4
37.5°	2829.4	2347.5	1185.6	1023.4	1106.2	1151.7	1182.9	1130.7	1083.1	1064.1	1070.9
40°	2929.8	2336.0	1045.8	1009.9	1108.3	1155.8	1149.0	1071.6	1003.1	963.0	961.7
42.5°	3015.3	2318.3	956.2	1001.0	1113.7	1171.4	1102.8	1019.4	917.6	893.8	894.5
45°	3073.0	2273.5	908.7	991.5	1118.4	1174.8	1081.1	947.4	874.8	859.9	859.2
47.5°	3096.7	2192.1	878.2	976.6	1117.8	1146.9	1037.0	917.6	844.9	840.9	843.6
50°	3081.1	2058.4	847.0	947.4	1101.5	1117.8	986.1	891.1	824.6	847.0	863.3
52.5°	3023.4	1885.3	809.6	907.4	1072.3	1084.5	960.3	874.8	809.6	839.5	852.4
55°	3008.5	1744.8	762.1	855.1	1028.9	1025.5	933.2	866.7	799.5	787.9	790.0
57.5°	2988.8	1607.8	683.4	761.5	918.9	924.3	907.4	857.2	773.0	769.6	773.0
60°	2596.6	1232.5	609.4	656.9	754.7	783.9	878.2	839.5	730.2	716.0	715.3
62.5°	1696.0	746.5	542.3	572.8	614.9	648.8	800.8	788.6	683.4	674.6	680.7
65°	912.1	532.1	493.4	511.7	534.8	560.6	663.7	702.4	617.6	586.4	587.0
67.5°	466.2	452.7	456.7	469.6	487.3	500.2	535.5	569.4	526.6	500.2	499.5
70°	399.1	409.9	416.0	423.5	435.0	433.0	436.4	442.5	439.1	426.2	425.5
72.5°	340.0	357.0	358.3	359.7	363.8	354.3	348.2	338.0	338.7	340.7	341.4
75°	258.6	274.9	278.9	276.9	281.0	268.8	260.6	250.4	238.2	236.2	237.5
77.5°	168.3	181.2	187.3	186.0	188.0	178.5	174.4	163.6	149.3	143.9	143.9
80°	101.8	109.3	114.0	115.4	117.4	110.6	103.8	94.3	88.2	82.1	82.1
82.5°	61.8	66.5	69.9	69.9	71.9	64.5	59.0	52.3	49.5	44.1	44.1
85°	31.2	34.6	36.0	35.3	33.9	27.8	25.8	22.4	21.0	18.3	18.3
87.5°	7.5	9.5	9.5	6.8	6.8	3.4	2.0	0.7	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)