

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: P635205

Luminaire Tested: GWS-SA3D-730-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635205
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-730-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15478.9 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

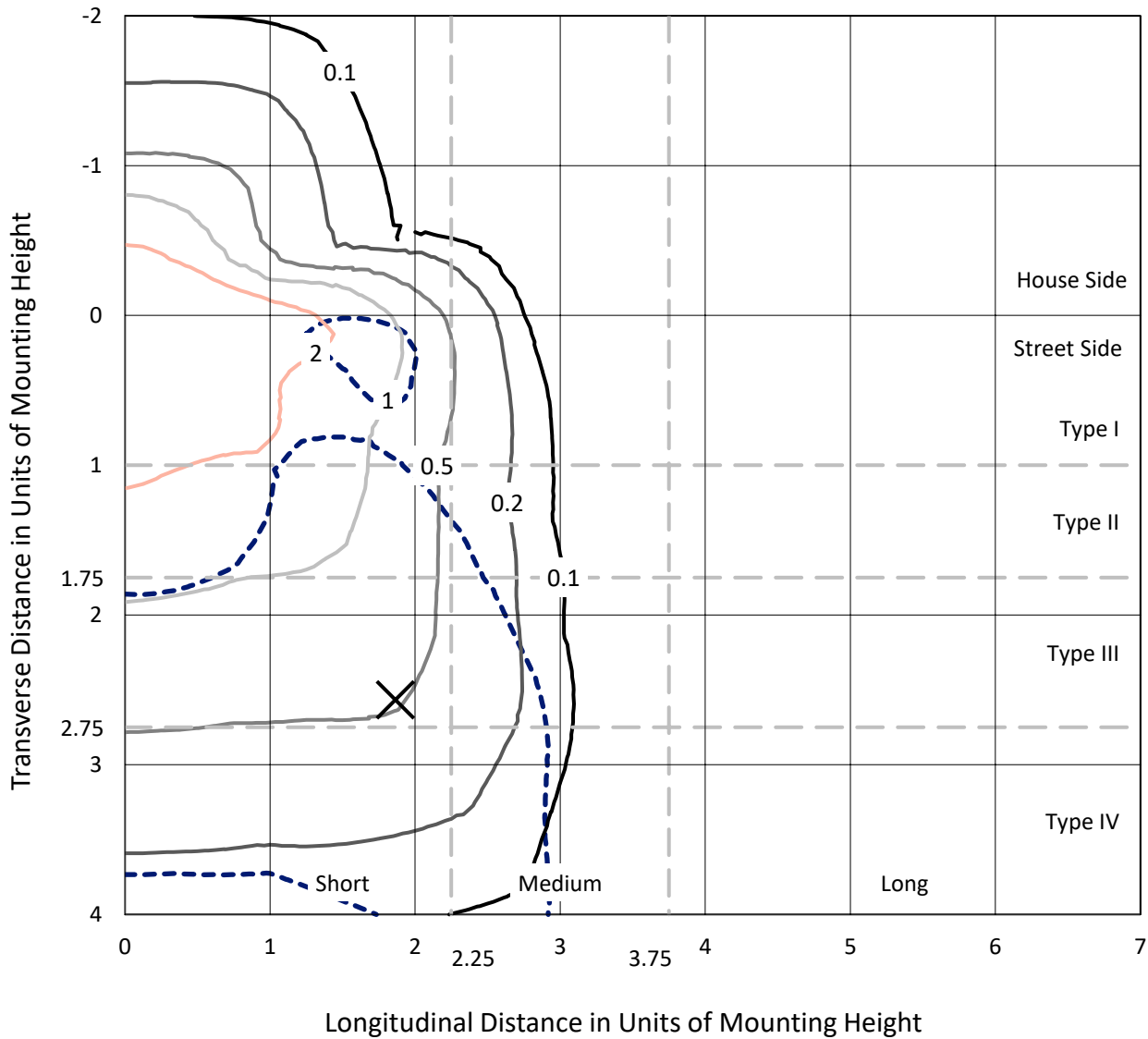
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

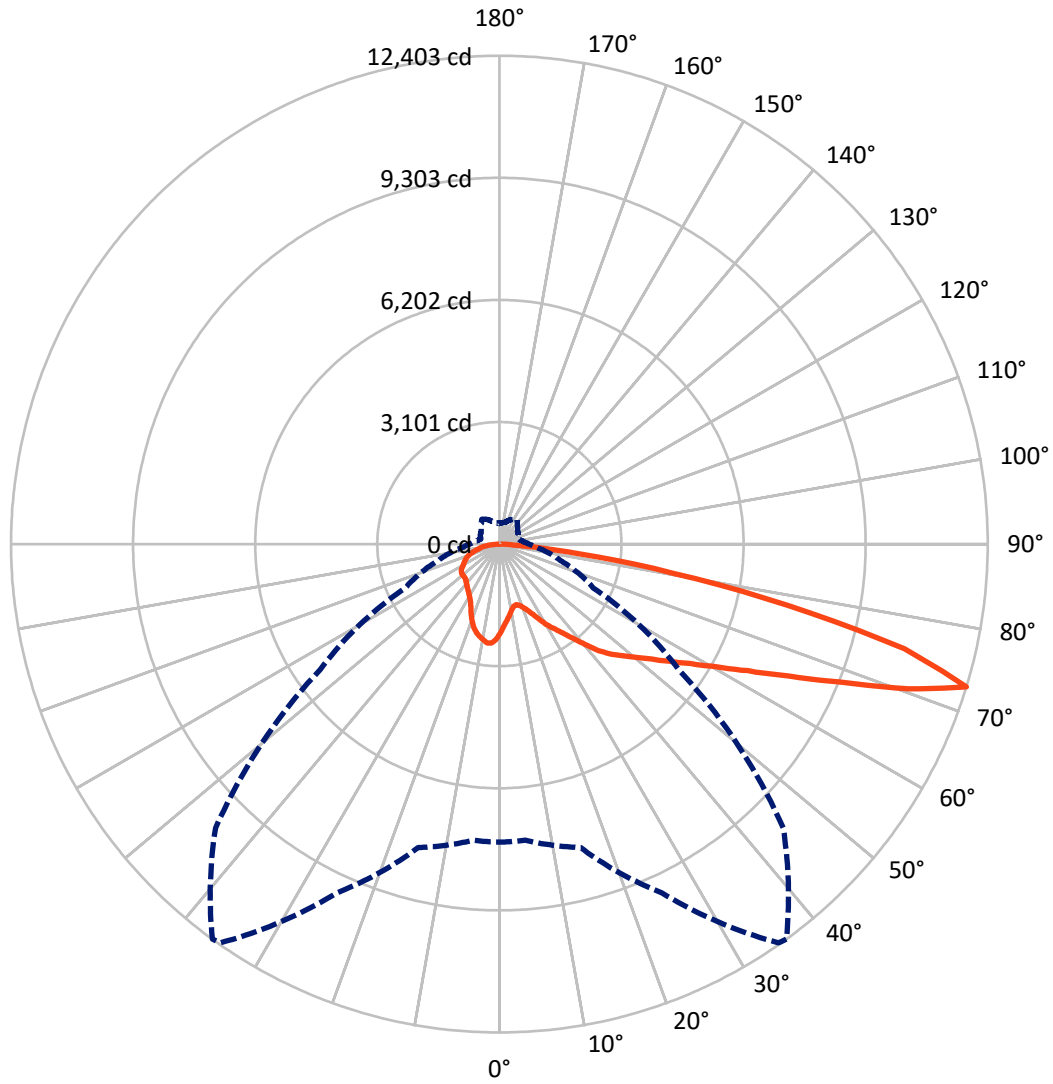
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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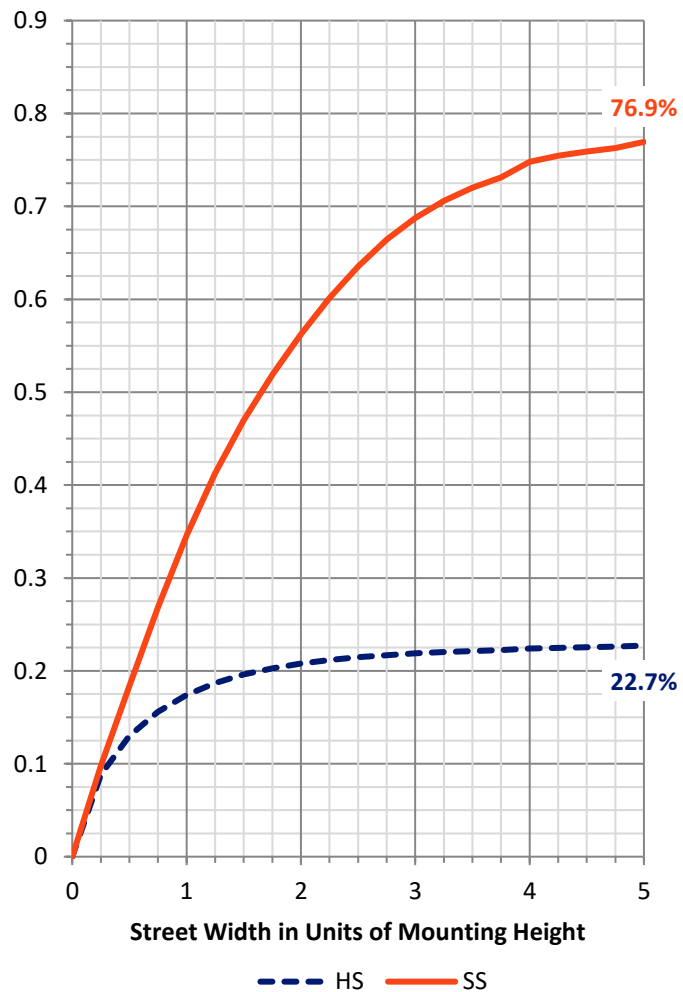
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3568.6	0.0	3568.6
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	11910.3	0.0	11910.3
	% Fixture	76.9	0.0	76.9
Total	Lumens	15478.9	0.0	15478.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.8	1.4
10°-20°	597.4	3.9
20°-30°	989.4	6.4
30°-40°	1481.8	9.6
40°-50°	2161.8	14.0
50°-60°	3076.9	19.9
60°-70°	3887.4	25.1
70°-80°	2770.1	17.9
80°-90°	302.4	2.0
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°	15478.9	100.0
0°-180°	15478.9	100.0

Coefficient of Utilization



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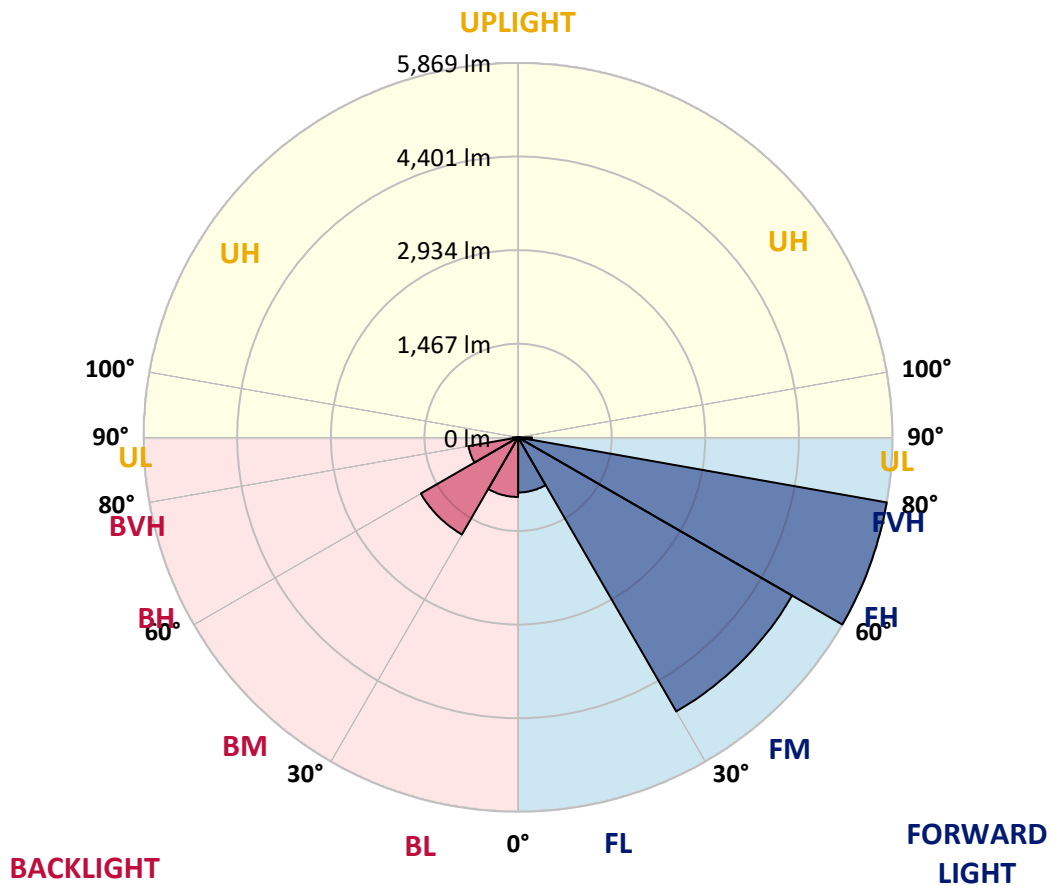
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	864.1	5.6			
FM (30°-60°)	4960.6	32.0			
FH (60°-80°)	5868.6	37.9			G3/7500
FVH (80°-90°)	217.0	1.4			G2/225
BL (0°-30°)	934.5	6.0	B2/1000		
BM (30°-60°)	1759.8	11.4	B2/2500		
BH (60°-80°)	788.9	5.1	B2/1000		G2/1000
BVH (80°-90°)	85.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	2265.4	2265.4	2265.4	2265.4	2265.4	2265.4	2265.4	2265.4	2265.4	2265.4	2265.4
2.5°	2066.7	2063.2	2056.3	2077.0	2097.7	2095.4	2124.1	2151.7	2181.5	2212.6	2253.9
5°	1901.2	1898.9	1893.2	1924.2	1955.2	1954.1	2001.2	2046.0	2106.9	2173.5	2256.2
7.5°	1735.8	1730.1	1738.1	1777.2	1820.8	1825.4	1889.8	1963.3	2051.7	2151.7	2268.9
10°	1589.9	1588.8	1592.2	1635.9	1701.4	1705.9	1788.7	1890.9	2008.1	2141.3	2297.6
12.5°	1552.0	1549.7	1540.5	1562.3	1611.7	1618.6	1709.4	1834.6	1978.2	2147.1	2336.6
15°	1614.0	1608.3	1576.1	1565.8	1589.9	1595.7	1672.6	1801.3	1961.0	2157.4	2386.0
17.5°	1720.9	1717.4	1656.5	1614.0	1630.1	1634.7	1692.2	1795.6	1956.4	2178.1	2446.9
20°	1877.1	1862.2	1766.8	1702.5	1702.5	1709.4	1743.9	1820.8	1962.1	2203.4	2515.8
22.5°	2083.9	2054.0	1919.6	1832.3	1809.3	1818.5	1833.5	1884.0	1986.3	2245.9	2602.0
25°	2316.0	2288.4	2128.7	2005.8	1973.6	1977.1	1964.4	1973.6	2039.1	2304.5	2708.8
27.5°	2562.9	2544.6	2374.5	2218.3	2167.8	2167.8	2123.0	2101.1	2112.6	2371.1	2828.3
30°	2783.5	2758.2	2614.6	2443.5	2376.8	2376.8	2291.8	2244.7	2217.2	2452.7	2988.0
32.5°	2899.5	2884.6	2789.3	2658.3	2576.7	2564.1	2490.6	2435.4	2371.1	2573.3	3204.0
35°	3051.2	3047.7	2990.3	2888.0	2784.7	2766.3	2715.7	2672.1	2560.6	2723.8	3491.2
37.5°	3241.9	3236.1	3226.9	3166.1	3042.0	3038.5	2993.7	2940.9	2796.1	2940.9	3839.2
40°	3455.5	3445.2	3433.7	3432.6	3357.9	3345.3	3341.8	3282.1	3079.9	3202.8	4202.3
42.5°	3749.6	3714.0	3606.0	3654.3	3709.4	3697.9	3741.6	3652.0	3433.7	3514.1	4545.7
45°	4111.5	4024.2	3810.5	3824.3	3963.3	3986.3	4137.9	4116.1	3823.2	3873.7	4907.6
47.5°	4328.6	4252.8	4054.1	4042.6	4216.0	4244.8	4574.5	4615.8	4242.5	4306.8	5354.5
50°	4506.7	4453.8	4290.7	4306.8	4490.6	4519.3	5007.6	5096.0	4637.6	4750.2	5873.7
52.5°	4721.5	4645.7	4519.3	4595.1	4820.3	4854.8	5488.9	5584.2	4993.8	5237.3	6411.4
55°	4842.1	4811.1	4813.4	4929.4	5212.0	5259.1	5993.2	5977.1	5320.0	5654.3	6815.7
57.5°	5120.1	5108.7	5214.3	5258.0	5669.3	5730.1	6497.5	6359.7	5616.4	5977.1	7009.9
60°	5610.7	5582.0	5673.9	5740.5	6234.5	6320.6	7060.4	6734.2	5817.5	6217.2	6944.4
62.5°	6299.9	6264.3	6267.8	6373.5	6991.5	7082.3	7686.5	7046.7	5879.5	6254.0	6529.7
65°	7156.9	7105.2	7046.7	7190.3	7996.7	8072.5	8367.8	7274.1	5731.3	5900.2	5663.5
67.5°	8061.0	8018.5	7949.6	8250.6	9298.3	9344.2	9131.7	7254.6	5261.4	4953.6	3972.5
70°	8113.9	8124.2	8450.5	9539.5	10997.3	11008.8	9854.3	6861.7	4260.8	3210.9	1979.4
72.5°	7569.4	7552.1	7977.2	9775.0	12364.4	12403.4	10195.5	5559.0	2633.0	1601.4	928.2
75°	6148.3	6178.2	6625.0	8552.7	10597.6	10632.0	8311.5	3277.5	1251.0	783.5	593.9
77.5°	2646.8	2813.4	3694.5	6025.4	7590.0	7483.2	4283.8	1328.0	667.4	558.3	454.9
80°	763.9	829.4	1316.5	2865.1	4548.0	4467.6	1695.6	497.4	465.3	419.3	326.3
82.5°	247.0	273.4	482.5	1140.7	2037.9	2035.6	643.3	294.1	304.4	284.9	210.2
85°	68.9	79.3	148.2	345.8	630.7	618.0	186.1	139.0	162.0	164.3	104.5
87.5°	0.0	0.0	1.1	2.3	2.3	2.3	4.6	20.7	47.1	59.7	42.5
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°	2265.4	2265.4	2265.4	2265.4	2265.4	2265.4	2265.4	2265.4	2265.4	2265.4	2265.4
2.5°	2279.2	2275.7	2322.8	2359.6	2394.1	2417.0	2423.9	2428.5	2437.7	2442.3	2437.7
5°	2295.3	2312.5	2390.6	2448.1	2494.0	2521.6	2522.7	2520.4	2527.3	2521.6	2518.1
7.5°	2329.7	2363.1	2461.8	2522.7	2552.6	2553.8	2526.2	2494.0	2477.9	2464.1	2459.6
10°	2375.7	2425.1	2533.1	2573.3	2564.1	2521.6	2460.7	2410.2	2381.4	2360.8	2356.2
12.5°	2438.9	2494.0	2596.3	2595.1	2537.7	2461.8	2390.6	2329.7	2288.4	2264.3	2256.2
15°	2498.6	2568.7	2642.2	2588.2	2497.5	2405.6	2313.7	2232.1	2176.9	2139.0	2132.1
17.5°	2572.1	2646.8	2675.5	2566.4	2446.9	2328.6	2205.7	2098.8	2024.2	1979.4	1975.9
20°	2657.1	2723.8	2691.6	2528.5	2381.4	2226.3	2059.8	1940.3	1859.9	1816.2	1819.7
22.5°	2755.9	2804.2	2696.2	2476.8	2290.7	2081.6	1895.5	1780.6	1726.6	1703.6	1704.8
25°	2861.6	2892.6	2688.2	2406.7	2151.7	1904.7	1726.6	1673.8	1669.2	1663.4	1665.7
27.5°	2986.8	2980.0	2664.0	2307.9	1964.4	1699.1	1608.3	1622.1	1640.5	1638.2	1640.5
30°	3154.6	3089.1	2633.0	2171.2	1741.6	1526.7	1538.2	1577.3	1601.4	1603.7	1610.6
32.5°	3346.4	3209.7	2583.6	1985.1	1529.0	1430.2	1472.7	1519.8	1548.6	1554.3	1563.5
35°	3575.0	3347.6	2496.3	1753.0	1376.2	1372.8	1411.9	1444.0	1475.0	1477.3	1477.3
37.5°	3838.1	3485.4	2357.3	1496.9	1282.0	1323.4	1360.2	1367.1	1375.1	1368.2	1371.7
40°	4079.3	3618.7	2159.7	1263.7	1205.1	1279.7	1310.8	1287.8	1262.5	1245.3	1248.7
42.5°	4281.5	3709.4	1897.8	1100.5	1127.0	1240.7	1264.8	1217.7	1168.3	1136.1	1140.7
45°	4509.0	3793.3	1589.9	990.3	1060.3	1213.1	1229.2	1168.3	1105.1	1056.9	1050.0
47.5°	4822.6	3964.5	1316.5	913.3	1013.2	1198.2	1224.6	1141.9	1059.2	986.8	978.8
50°	5209.7	4206.9	1087.9	862.7	991.4	1190.1	1223.5	1113.2	1014.4	929.4	923.6
52.5°	5632.5	4443.5	919.0	823.7	969.6	1166.0	1217.7	1081.0	967.3	875.4	868.5
55°	5914.0	4536.6	805.3	786.9	934.0	1128.1	1194.7	1050.0	896.1	812.2	801.9
57.5°	5996.7	4417.1	726.0	753.6	888.0	1075.3	1151.1	984.5	852.4	785.8	777.7
60°	5854.2	4116.1	676.6	726.0	837.5	1007.5	1075.3	946.6	817.9	758.2	752.5
62.5°	5452.1	3652.0	638.7	697.3	785.8	936.3	1027.0	900.6	780.0	732.9	724.9
65°	4643.4	2994.9	607.7	667.4	736.4	868.5	974.2	854.7	738.7	703.1	693.9
67.5°	3247.6	2103.4	574.4	631.8	687.0	803.0	919.0	812.2	696.2	669.7	660.6
70°	1587.6	1115.5	534.2	590.5	634.1	736.4	863.9	760.5	639.9	624.9	612.3
72.5°	755.9	623.8	487.1	534.2	561.8	647.9	772.0	685.8	573.2	541.1	519.3
75°	506.6	443.4	425.1	467.6	474.4	543.4	661.7	591.6	505.5	468.7	450.3
77.5°	383.7	338.9	357.3	395.2	381.4	446.9	544.5	527.3	456.1	422.8	413.6
80°	270.0	247.0	283.8	306.7	296.4	380.2	490.5	451.5	375.7	338.9	332.0
82.5°	170.0	165.4	209.1	212.5	216.0	301.0	403.2	355.0	291.8	240.1	222.9
85°	85.0	94.2	125.2	125.2	124.1	155.1	229.8	199.9	157.4	125.2	121.8
87.5°	28.7	40.2	54.0	43.7	33.3	26.4	29.9	36.8	39.1	37.9	37.9
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)