

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: P632722

Luminaire Tested: GWS-SA2D-730-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632722
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-730-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9074.9 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

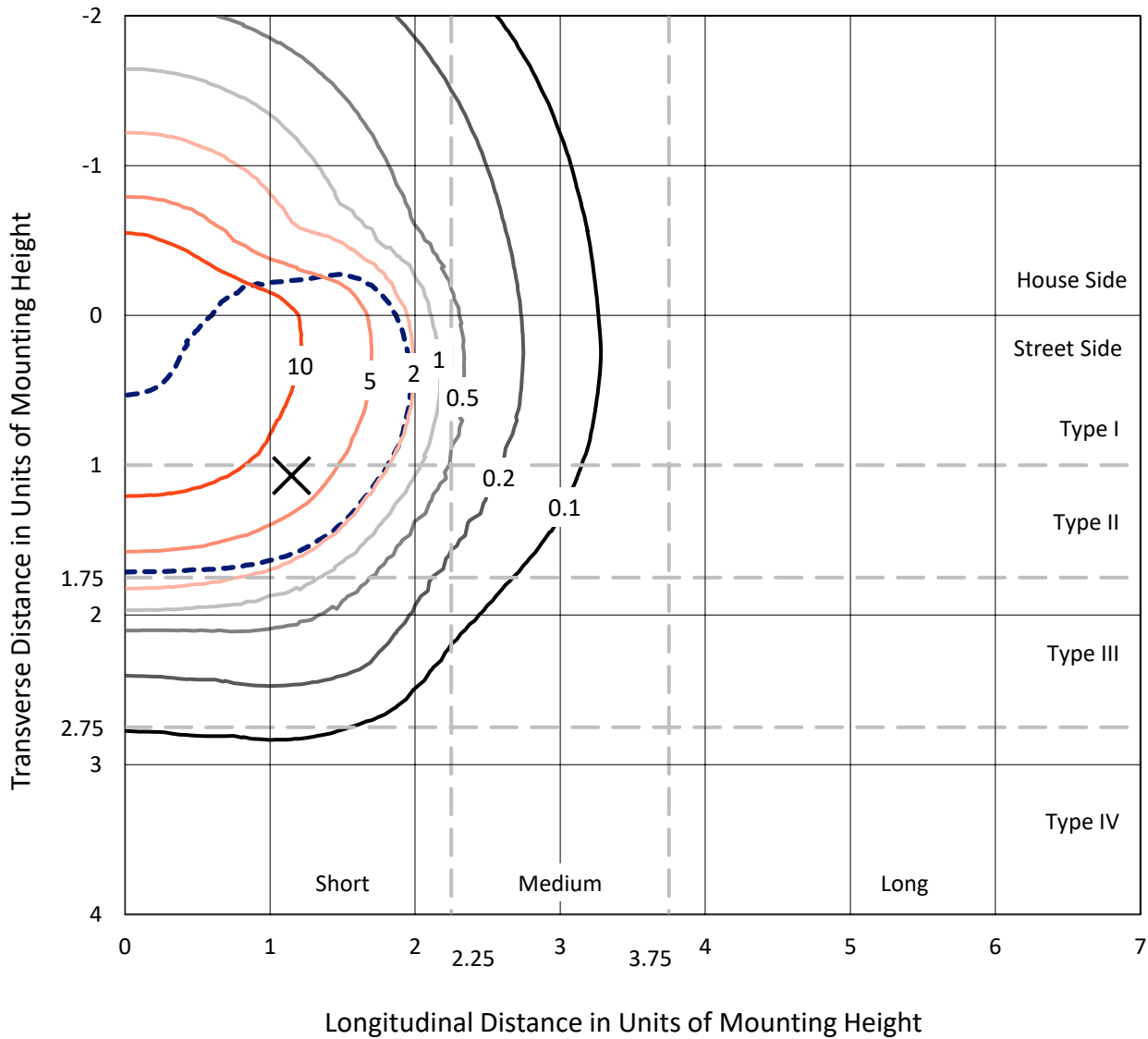
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

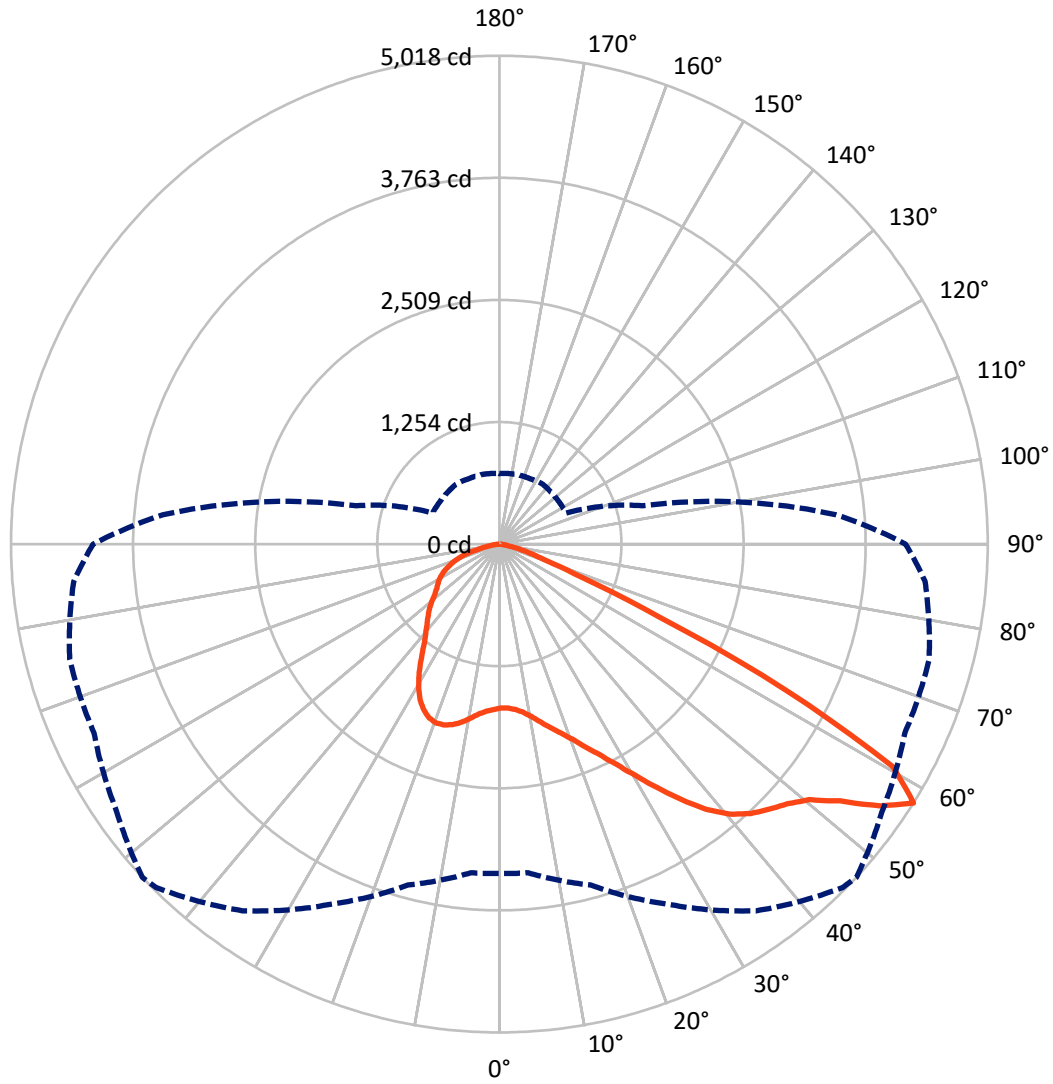
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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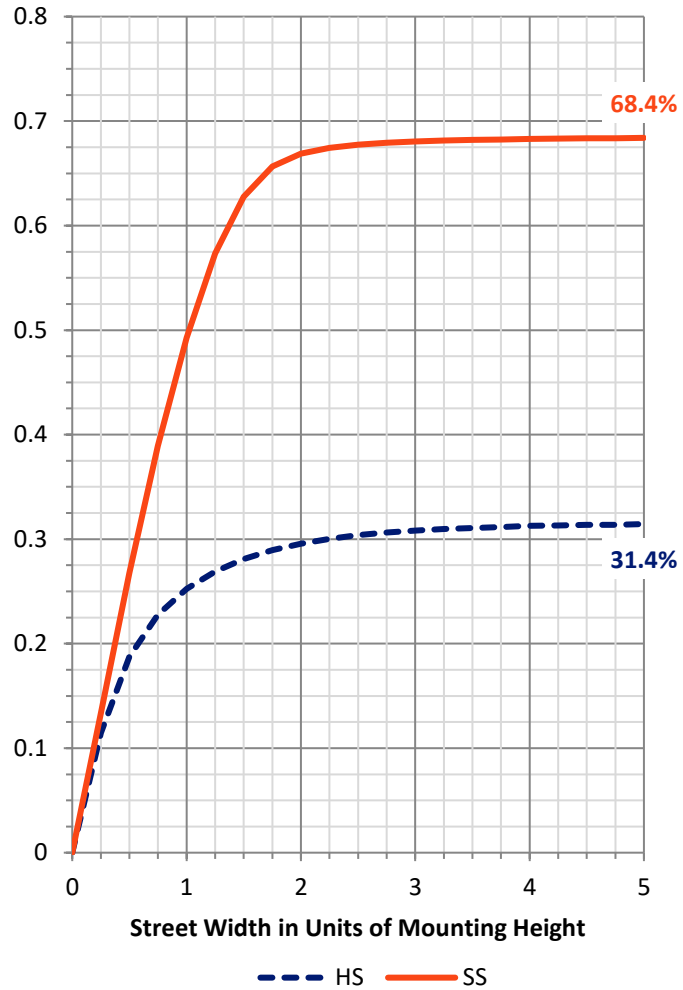
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2872.2	0.0	2872.2
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	6202.7	0.0	6202.7
	% Fixture	68.4	0.0	68.4
Total	Lumens	9074.9	0.0	9074.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.0	1.8
10°-20°	546.0	6.0
20°-30°	983.1	10.8
30°-40°	1484.8	16.4
40°-50°	1999.5	22.0
50°-60°	2402.6	26.5
60°-70°	1170.1	12.9
70°-80°	288.3	3.2
80°-90°	34.6	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°	9074.9	100.0
0°-180°	9074.9	100.0

Coefficient of Utilization



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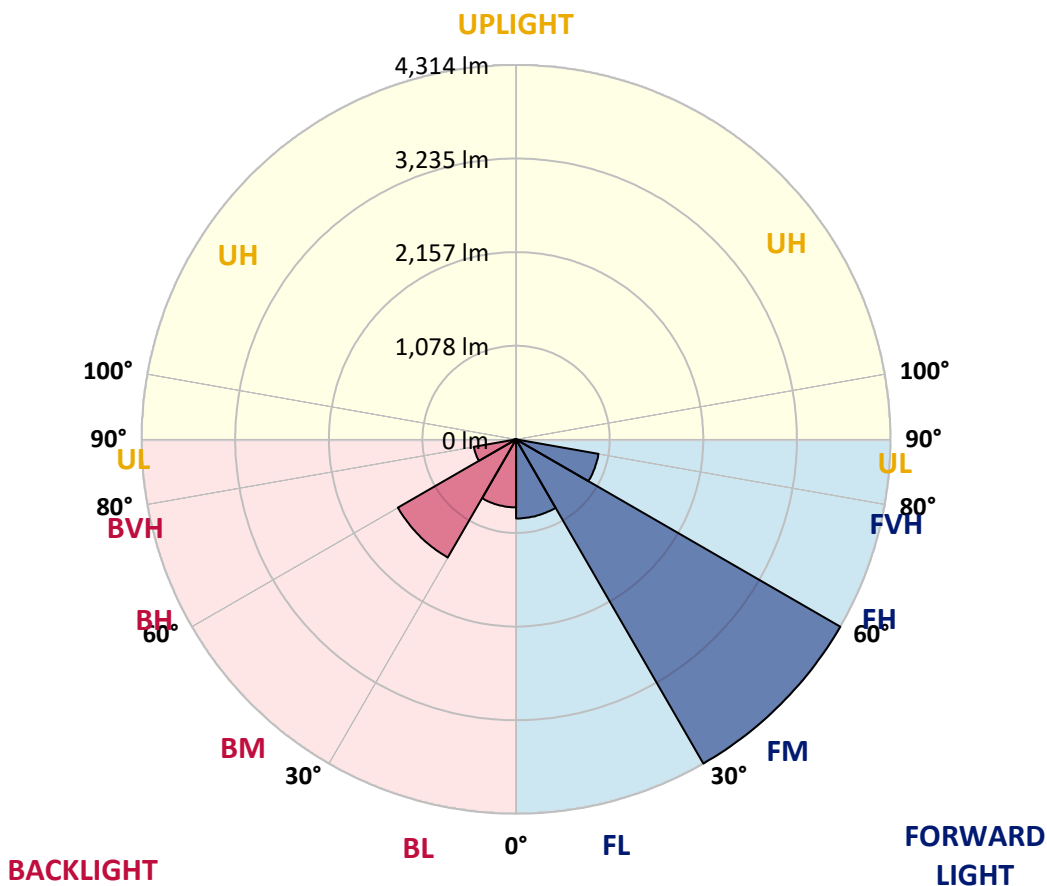
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	911.5	10.0			
FM (30°-60°)	4313.8	47.5			
FH (60°-80°)	964.4	10.6			G1/1800
FVH (80°-90°)	13.0	0.1			G1/100
BL (0°-30°)	783.5	8.6	B2/1000		
BM (30°-60°)	1573.1	17.3	B2/2500		
BH (60°-80°)	494.0	5.4	B1/500		G1/500
BVH (80°-90°)	21.6	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°	47°	55°	65°	75°	85°
0°	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0
2.5°	1679.9	1679.1	1679.1	1683.7	1683.7	1685.2	1687.5	1689.8	1690.6	1686.8	1678.4
5°	1698.2	1698.2	1698.2	1702.0	1702.0	1703.5	1706.6	1707.3	1706.6	1700.5	1692.1
7.5°	1727.2	1727.2	1727.9	1732.5	1736.3	1738.6	1743.9	1743.2	1740.9	1731.0	1720.3
10°	1774.4	1776.7	1779.0	1784.3	1791.9	1797.3	1801.1	1801.1	1798.0	1782.8	1769.1
12.5°	1841.5	1844.5	1846.8	1851.4	1857.5	1866.6	1875.0	1875.0	1871.2	1852.2	1831.6
15°	1920.0	1923.0	1922.3	1923.8	1935.2	1948.2	1955.1	1959.6	1961.2	1934.5	1902.5
17.5°	2009.9	2013.0	2009.9	2005.4	2006.9	2027.5	2039.7	2056.4	2066.3	2030.5	1979.5
20°	2091.5	2088.4	2088.4	2091.5	2096.1	2121.2	2139.5	2167.0	2179.2	2135.7	2056.4
22.5°	2177.6	2184.5	2181.4	2181.4	2199.7	2241.7	2263.8	2299.6	2312.5	2256.1	2149.4
25°	2288.9	2295.0	2293.5	2295.0	2316.3	2375.8	2397.9	2464.2	2477.2	2396.4	2252.3
27.5°	2410.9	2420.8	2425.3	2423.8	2458.1	2535.9	2563.3	2655.5	2679.2	2553.4	2362.1
30°	2569.4	2580.1	2583.9	2582.4	2622.8	2728.7	2760.0	2865.1	2898.7	2739.4	2501.6
32.5°	2753.1	2763.8	2775.2	2779.8	2831.6	2939.8	2984.8	3093.8	3141.8	2954.3	2670.0
35°	2935.3	2944.4	2966.5	3002.3	3073.2	3183.7	3223.4	3330.8	3377.3	3177.6	2873.5
37.5°	3136.5	3142.6	3161.6	3211.2	3313.3	3418.5	3458.1	3561.0	3566.4	3393.3	3103.7
40°	3356.8	3356.8	3352.9	3401.7	3508.4	3614.4	3648.7	3708.1	3676.9	3559.5	3327.8
42.5°	3543.5	3540.5	3543.5	3589.2	3668.5	3754.6	3784.4	3772.9	3733.3	3686.8	3530.5
45°	3711.9	3714.2	3741.7	3776.7	3817.9	3869.0	3886.5	3821.7	3785.9	3788.9	3692.9
47.5°	3826.3	3828.6	3892.6	3951.3	3976.4	3992.4	3984.8	3894.9	3876.6	3910.9	3817.9
50°	3841.5	3853.7	3964.2	4084.7	4147.2	4149.5	4128.1	4018.4	4013.0	4051.9	3885.0
52.5°	3844.6	3856.8	3994.7	4212.0	4374.3	4408.6	4384.2	4269.9	4214.2	4175.4	3967.3
55°	3833.1	3846.9	3999.3	4297.3	4608.3	4745.5	4747.8	4586.2	4408.6	4382.7	4202.0
57.5°	3384.2	3389.5	3625.8	4080.1	4599.2	4987.9	5017.6	4798.1	4595.3	4571.0	4390.3
60°	2357.5	2378.8	2635.7	3235.6	3863.6	4548.9	4644.9	4580.9	4445.2	4267.6	3766.8
62.5°	1180.7	1199.0	1456.6	2023.7	2664.7	3205.8	3308.7	3376.6	3408.6	3218.0	2564.8
65°	508.4	522.1	682.2	1057.2	1508.4	1769.8	1805.7	1887.2	2086.9	1862.1	1381.9
67.5°	339.9	349.1	430.6	644.8	888.7	905.5	900.2	917.7	961.1	793.5	624.2
70°	260.7	268.3	323.2	472.6	638.7	546.5	517.5	469.5	509.9	519.8	506.1
72.5°	189.0	195.1	236.3	322.4	400.2	349.1	344.5	368.9	423.8	439.0	430.6
75°	122.0	125.0	150.2	176.8	206.6	224.1	233.2	277.4	333.1	344.5	334.6
77.5°	81.6	83.8	98.3	113.6	117.4	118.1	121.2	141.0	179.1	200.5	198.2
80°	42.7	42.7	48.0	48.0	54.9	65.5	68.6	81.6	99.1	109.8	110.5
82.5°	16.8	17.5	20.6	22.9	27.4	33.5	35.8	42.7	51.8	59.5	66.3
85°	6.9	7.6	8.4	9.9	12.2	15.2	16.0	18.3	24.4	30.5	34.3
87.5°	0.0	0.0	0.8	0.8	1.5	2.3	2.3	3.0	3.8	6.9	9.1
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°	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0
2.5°	1688.3	1678.4	1688.3	1691.3	1699.7	1702.8	1697.4	1696.7	1696.7	1689.1	1686.8
5°	1699.7	1690.6	1700.5	1705.1	1717.3	1724.9	1726.4	1732.5	1736.3	1733.3	1732.5
7.5°	1727.9	1716.5	1727.2	1734.0	1750.0	1762.2	1767.6	1781.3	1791.2	1789.7	1788.9
10°	1777.5	1762.2	1774.4	1785.9	1803.4	1817.9	1818.6	1826.2	1836.2	1833.1	1831.6
12.5°	1834.6	1820.2	1833.9	1845.3	1865.9	1872.0	1862.1	1859.0	1860.5	1856.7	1853.7
15°	1904.8	1884.2	1896.4	1909.3	1920.8	1913.9	1892.6	1884.2	1883.4	1878.1	1875.0
17.5°	1974.9	1949.0	1958.1	1965.0	1959.6	1938.3	1911.6	1897.1	1890.3	1879.6	1876.6
20°	2044.2	2011.5	2009.9	2004.6	1980.2	1941.3	1905.5	1876.6	1859.0	1844.5	1839.2
22.5°	2123.5	2077.8	2054.9	2030.5	1977.2	1913.9	1859.8	1818.6	1790.4	1772.1	1766.0
25°	2208.9	2144.1	2096.8	2048.1	1946.7	1855.2	1779.8	1723.4	1689.8	1670.0	1663.1
27.5°	2293.5	2204.3	2133.4	2050.3	1885.7	1770.6	1669.2	1593.0	1559.5	1543.5	1538.1
30°	2407.8	2284.3	2176.9	2020.6	1805.7	1653.2	1526.7	1449.7	1427.6	1416.2	1411.6
32.5°	2539.7	2385.7	2234.8	1958.1	1703.5	1516.0	1382.6	1329.3	1314.0	1291.9	1291.2
35°	2713.5	2530.5	2289.7	1865.9	1574.7	1368.9	1272.1	1234.0	1206.6	1171.5	1168.5
37.5°	2916.2	2711.2	2319.4	1748.5	1424.6	1247.7	1189.8	1147.1	1102.9	1056.4	1050.3
40°	3125.8	2922.3	2321.7	1609.8	1277.5	1167.7	1118.9	1063.3	1008.4	956.6	949.7
42.5°	3346.1	3119.0	2281.3	1449.7	1157.0	1098.3	1048.8	978.7	916.9	881.9	878.1
45°	3542.7	3277.5	2189.8	1281.3	1067.9	1040.4	977.1	901.7	868.9	843.8	838.4
47.5°	3697.5	3382.7	2066.3	1130.4	995.4	981.0	898.6	859.8	834.6	811.8	806.4
50°	3773.7	3406.3	1905.5	1007.6	928.4	910.8	854.4	824.7	807.9	789.6	785.1
52.5°	3868.2	3433.0	1766.8	904.7	862.8	839.2	817.8	794.2	782.0	770.6	766.8
55°	4085.4	3533.6	1693.6	822.4	800.3	789.6	786.6	766.8	763.0	755.3	748.5
57.5°	4173.8	3468.8	1520.6	755.3	750.8	752.3	759.9	741.6	737.8	728.7	724.1
60°	3356.8	2622.0	1029.7	697.4	709.6	719.5	727.1	708.9	703.5	702.0	695.9
62.5°	2150.9	1612.8	718.8	643.3	661.6	673.8	678.4	660.8	657.0	669.2	670.0
65°	1119.7	878.8	583.1	585.4	600.6	618.9	628.1	622.0	620.4	633.4	634.2
67.5°	571.7	537.4	508.4	516.8	529.0	552.6	573.9	600.6	609.8	611.3	612.1
70°	487.1	471.8	457.3	462.7	475.6	488.6	509.2	522.1	506.9	503.1	501.5
72.5°	414.6	403.2	396.3	402.4	409.3	407.0	400.9	407.0	409.3	410.1	410.8
75°	322.4	314.0	308.7	309.5	309.5	301.1	289.6	282.8	275.2	269.1	269.1
77.5°	197.4	198.9	204.3	203.5	202.7	199.7	188.3	182.2	163.9	158.5	158.5
80°	112.8	115.1	120.4	122.0	122.0	118.1	106.7	99.8	91.5	87.7	86.9
82.5°	68.6	71.6	74.7	76.2	77.0	72.4	62.5	57.2	52.6	48.8	48.8
85°	35.8	37.3	40.4	41.2	38.9	34.3	29.0	26.7	22.1	21.3	21.3
87.5°	9.9	10.7	12.2	9.9	9.1	6.9	3.8	3.0	1.5	0.8	0.8
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)