

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: P641961

Luminaire Tested: GWS-SA6B-830-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641961
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-830-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10386.1 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

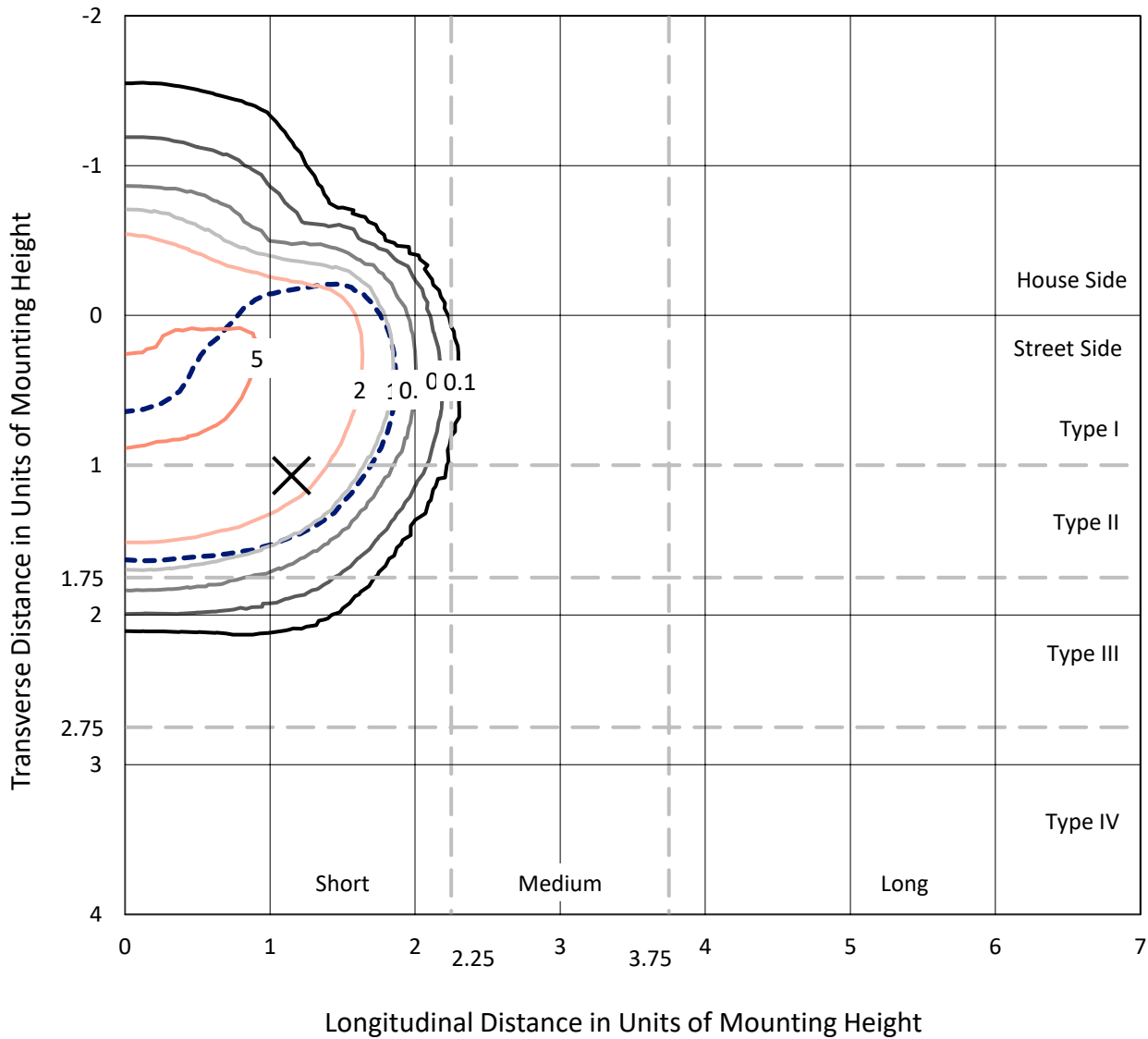
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

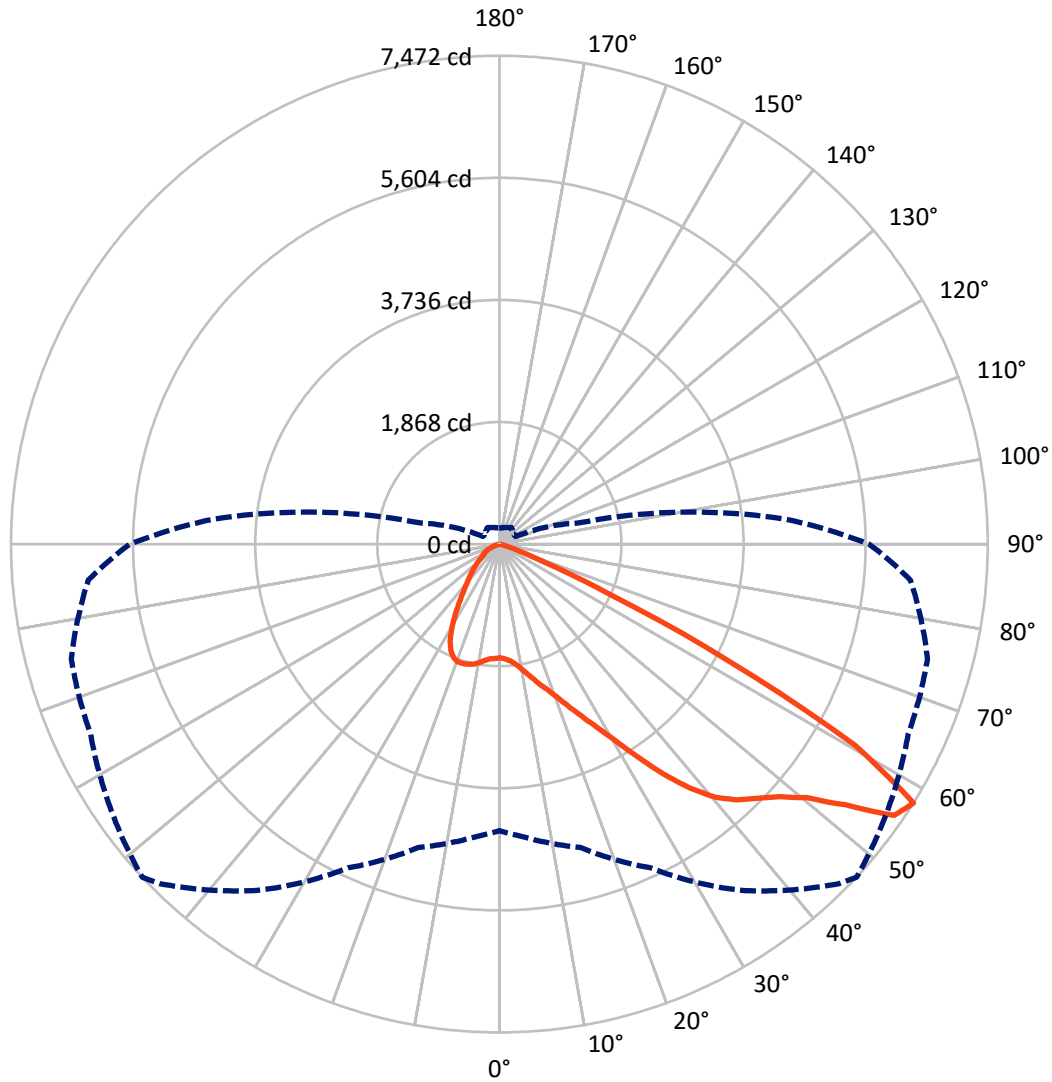
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.2 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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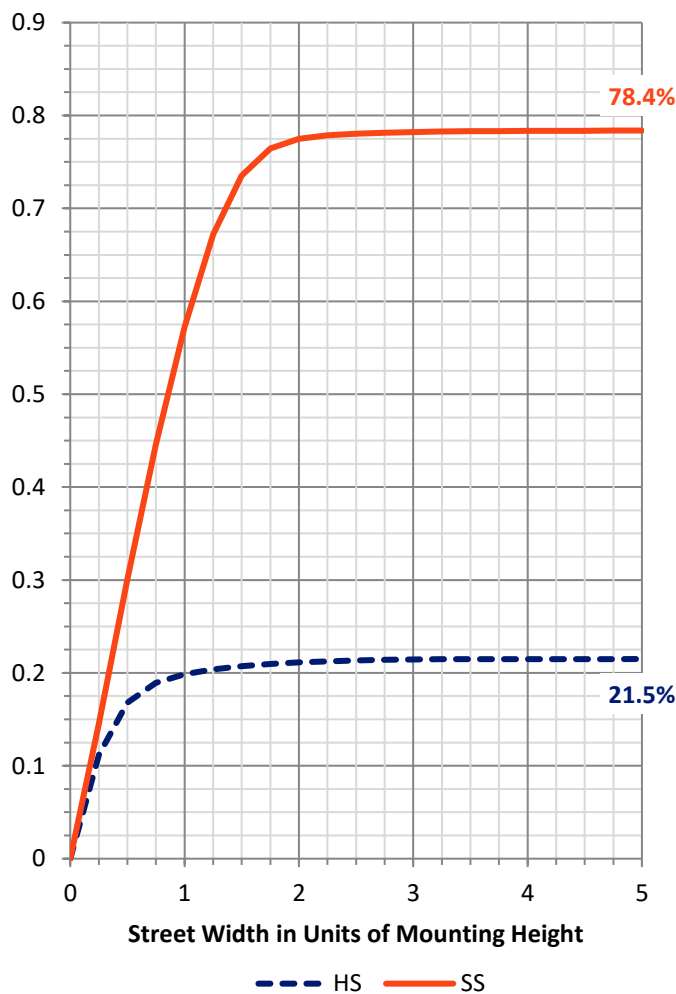
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2253.3	0.0	2253.3
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	8132.8	0.0	8132.8
	% Fixture	78.3	0.0	78.3
Total	Lumens	10386.1	0.0	10386.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.0	1.7
10°-20°	583.7	5.6
20°-30°	1083.7	10.4
30°-40°	1734.8	16.7
40°-50°	2535.9	24.4
50°-60°	3129.8	30.1
60°-70°	1045.8	10.1
70°-80°	97.4	0.9
80°-90°	2.0	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°	10386.1	100.0
0°-180°	10386.1	100.0

Coefficient of Utilization



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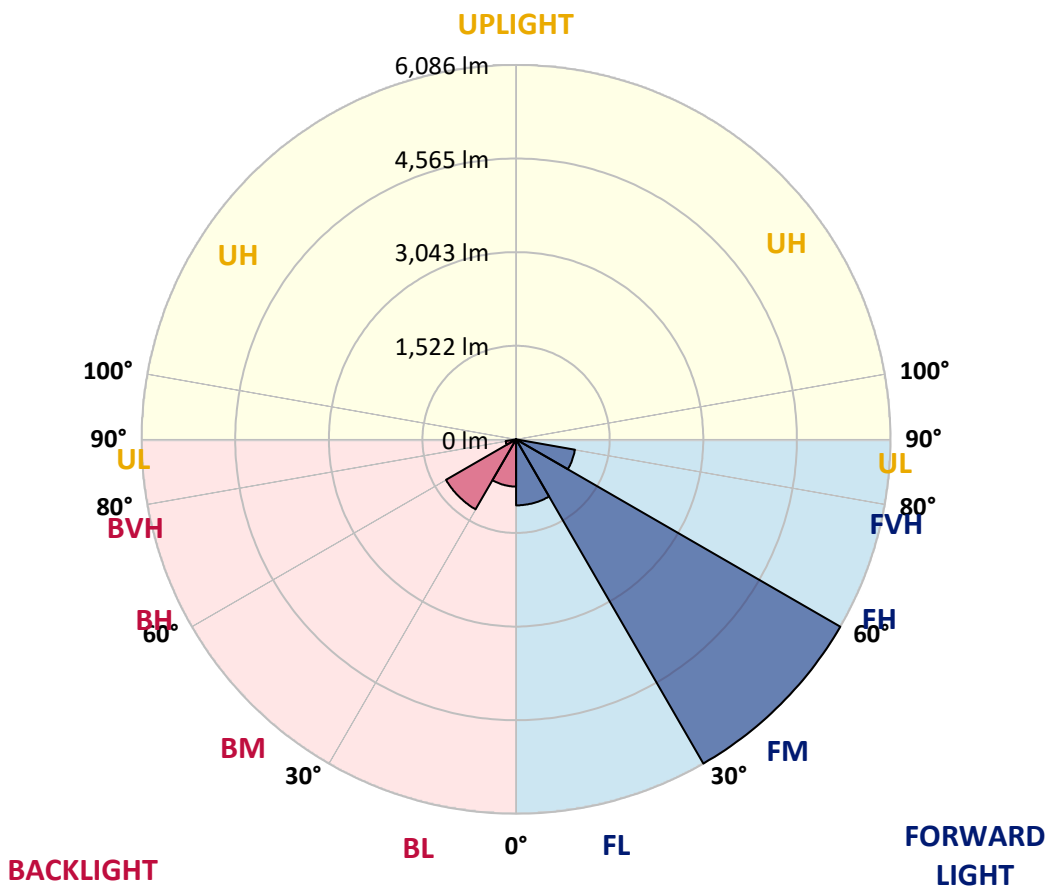
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1073.4	10.3			
FM (30°-60°)	6086.2	58.6			
FH (60°-80°)	971.9	9.4			G1/1800
FVH (80°-90°)	1.4	0.0			G0/10
BL (0°-30°)	767.0	7.4	B2/1000		
BM (30°-60°)	1314.3	12.7	B2/2500		
BH (60°-80°)	171.3	1.6	B1/500		G1/500
BVH (80°-90°)	0.6	0.0			G0/10
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°	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6
2.5°	1756.7	1755.5	1754.3	1761.6	1759.1	1757.9	1760.3	1760.3	1760.3	1753.1	1738.6
5°	1798.9	1798.9	1797.7	1805.0	1798.9	1795.3	1796.5	1796.5	1791.7	1778.4	1760.3
7.5°	1865.2	1862.8	1860.4	1867.7	1861.6	1860.4	1862.8	1855.6	1847.2	1825.5	1800.1
10°	1960.5	1960.5	1956.9	1964.1	1959.3	1956.9	1956.9	1952.1	1936.4	1902.6	1865.2
12.5°	2091.9	2085.9	2077.5	2071.4	2069.0	2067.8	2069.0	2061.8	2044.9	2001.5	1949.6
15°	2235.4	2230.6	2217.3	2207.7	2194.4	2192.0	2199.2	2193.2	2176.3	2117.2	2043.7
17.5°	2416.3	2422.3	2388.5	2368.0	2329.4	2327.0	2329.4	2339.1	2327.0	2251.1	2143.8
20°	2570.6	2575.4	2550.1	2535.6	2500.7	2485.0	2489.8	2505.5	2492.2	2403.0	2253.5
22.5°	2735.8	2741.8	2715.3	2685.1	2669.5	2669.5	2687.5	2709.2	2691.2	2574.2	2378.9
25°	2933.5	2938.3	2916.6	2876.8	2849.1	2884.1	2910.6	2968.5	2938.3	2779.2	2527.2
27.5°	3160.2	3161.4	3130.0	3089.0	3074.6	3139.7	3166.2	3255.4	3243.4	3009.5	2683.9
30°	3402.5	3403.7	3396.5	3368.8	3355.5	3441.1	3477.3	3606.3	3597.9	3295.2	2897.3
32.5°	3654.5	3654.5	3667.8	3665.4	3681.1	3820.9	3878.8	4025.9	4017.4	3644.9	3162.6
35°	3907.7	3908.9	3931.8	3989.7	4054.8	4240.5	4316.5	4494.9	4475.6	4063.3	3501.4
37.5°	4195.9	4183.8	4215.2	4302.0	4446.7	4661.3	4733.6	4903.7	4881.9	4491.3	3943.9
40°	4543.1	4521.4	4521.4	4622.7	4786.7	5033.9	5095.4	5179.8	5106.2	4837.3	4378.0
42.5°	4926.6	4906.1	4879.5	4968.8	5106.2	5299.1	5349.8	5326.9	5266.6	5164.1	4872.3
45°	5314.8	5283.5	5301.5	5355.8	5435.4	5527.0	5546.3	5440.2	5412.5	5441.4	5281.0
47.5°	5610.2	5588.5	5633.1	5709.1	5774.2	5787.4	5774.2	5627.1	5624.7	5727.2	5564.4
50°	5709.1	5711.5	5834.5	6000.9	6105.8	6116.6	6098.5	5929.7	5906.8	5937.0	5717.5
52.5°	5718.7	5728.4	5908.0	6225.1	6510.9	6641.1	6626.6	6444.6	6220.3	6187.7	5949.0
55°	5486.0	5542.7	5793.5	6256.5	6864.1	7280.1	7328.3	6979.9	6647.1	6619.4	6447.0
57.5°	4385.2	4500.9	4803.6	5463.1	6469.9	7346.4	7471.8	7221.0	6899.1	6781.0	6313.1
60°	2621.2	2764.7	3055.3	3864.3	4924.1	6038.2	6254.1	6289.0	6140.7	5799.5	4843.4
62.5°	1124.9	1112.9	1471.0	2090.7	2928.7	3837.8	3935.5	4087.4	4216.4	3859.5	2939.5
65°	385.8	419.6	583.6	942.9	1466.2	1782.1	1868.9	2005.1	2188.4	1806.2	1076.7
67.5°	238.7	253.2	336.4	557.0	791.0	778.9	740.3	718.6	699.3	478.7	295.4
70°	173.6	185.7	236.3	383.4	531.7	373.8	324.3	262.8	291.8	268.9	209.8
72.5°	117.0	126.6	162.8	232.7	272.5	182.1	168.8	191.7	231.5	220.6	171.2
75°	69.9	76.0	92.8	113.3	110.9	94.0	95.3	135.0	177.2	165.2	121.8
77.5°	48.2	50.6	61.5	73.5	54.3	28.9	26.5	37.4	60.3	60.3	41.0
80°	12.1	15.7	15.7	9.6	8.4	7.2	7.2	10.9	16.9	12.1	6.0
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4	2.4
85°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4
87.5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4
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°	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6
2.5°	1747.1	1732.6	1742.3	1739.9	1747.1	1749.5	1738.6	1736.2	1737.4	1723.0	1718.1
5°	1764.0	1747.1	1751.9	1747.1	1755.5	1762.8	1759.1	1764.0	1770.0	1759.1	1754.3
7.5°	1800.1	1783.3	1782.1	1774.8	1786.9	1791.7	1790.5	1803.8	1815.8	1808.6	1801.3
10°	1862.8	1839.9	1837.5	1831.5	1835.1	1838.7	1825.5	1827.9	1838.7	1830.3	1826.7
12.5°	1940.0	1912.3	1906.2	1891.8	1891.8	1873.7	1844.7	1838.7	1847.2	1841.1	1835.1
15°	2023.2	1985.8	1976.2	1950.9	1926.7	1893.0	1862.8	1855.6	1861.6	1854.4	1849.6
17.5°	2116.0	2073.8	2042.5	1997.9	1944.8	1905.0	1871.3	1855.6	1846.0	1831.5	1830.3
20°	2207.7	2152.2	2099.2	2028.0	1958.1	1897.8	1842.3	1801.3	1766.4	1744.7	1736.2
22.5°	2313.8	2231.8	2146.2	2046.1	1946.0	1854.4	1756.7	1686.8	1626.5	1606.0	1596.4
25°	2427.1	2321.0	2193.2	2063.0	1905.0	1757.9	1625.3	1521.6	1442.0	1415.5	1404.7
27.5°	2552.5	2406.6	2241.4	2059.4	1820.6	1620.5	1444.4	1315.4	1237.1	1213.0	1221.4
30°	2711.7	2517.5	2301.7	2022.0	1694.0	1427.6	1221.4	1112.9	1053.8	1030.9	1032.1
32.5°	2923.9	2676.7	2389.7	1942.4	1531.3	1208.1	1027.3	947.7	907.9	877.8	875.4
35°	3227.7	2919.0	2471.7	1814.6	1333.5	1012.8	881.4	818.7	763.2	728.3	734.3
37.5°	3591.8	3224.1	2516.3	1642.2	1111.7	860.9	771.7	707.8	645.1	593.2	599.2
40°	4023.5	3623.2	2512.7	1415.5	909.1	757.2	680.0	605.3	526.9	479.9	484.7
42.5°	4504.6	4000.6	2434.3	1175.6	753.6	672.8	592.0	498.0	422.0	393.1	394.3
45°	4921.7	4306.8	2296.9	927.2	634.2	590.8	500.4	403.9	370.2	349.7	348.5
47.5°	5230.4	4531.1	2100.4	729.5	537.7	516.0	411.1	361.7	335.2	318.3	315.9
50°	5402.8	4609.5	1883.3	571.5	454.6	437.7	367.7	328.0	309.9	299.0	296.6
52.5°	5634.3	4703.5	1727.8	450.9	381.0	358.1	338.8	305.0	293.0	284.5	280.9
55°	6000.9	4885.6	1592.8	358.1	317.1	312.3	319.5	291.8	284.5	271.3	266.5
57.5°	5656.0	4388.8	1237.1	277.3	267.7	285.8	308.7	278.5	260.4	248.4	243.6
60°	3980.1	2917.8	622.2	223.1	238.7	267.7	290.6	252.0	233.9	236.3	233.9
62.5°	2194.4	1460.1	279.7	186.9	207.4	236.3	248.4	218.2	206.2	226.7	230.3
65°	717.4	496.8	161.6	144.7	164.0	192.9	214.6	207.4	205.0	229.1	236.3
67.5°	220.6	164.0	109.7	103.7	113.3	142.3	180.9	224.3	241.1	248.4	252.0
70°	165.2	129.0	94.0	88.0	92.8	108.5	153.1	186.9	176.0	177.2	174.8
72.5°	132.6	102.5	80.8	77.2	77.2	74.8	80.8	101.3	114.5	120.6	120.6
75°	92.8	72.3	61.5	56.7	44.6	36.2	32.6	32.6	28.9	27.7	26.5
77.5°	31.3	26.5	24.1	19.3	13.3	10.9	9.6	8.4	6.0	3.6	2.4
80°	4.8	3.6	2.4	2.4	2.4	1.2	1.2	1.2	0.0	0.0	0.0
82.5°	2.4	2.4	2.4	2.4	2.4	1.2	1.2	0.0	0.0	0.0	0.0
85°	2.4	2.4	2.4	2.4	2.4	1.2	1.2	0.0	0.0	0.0	0.0
87.5°	2.4	2.4	2.4	2.4	1.2	1.2	1.2	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)