

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: P639818

Luminaire Tested: GWS-SA5C-750-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639818
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-750-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17882.5 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

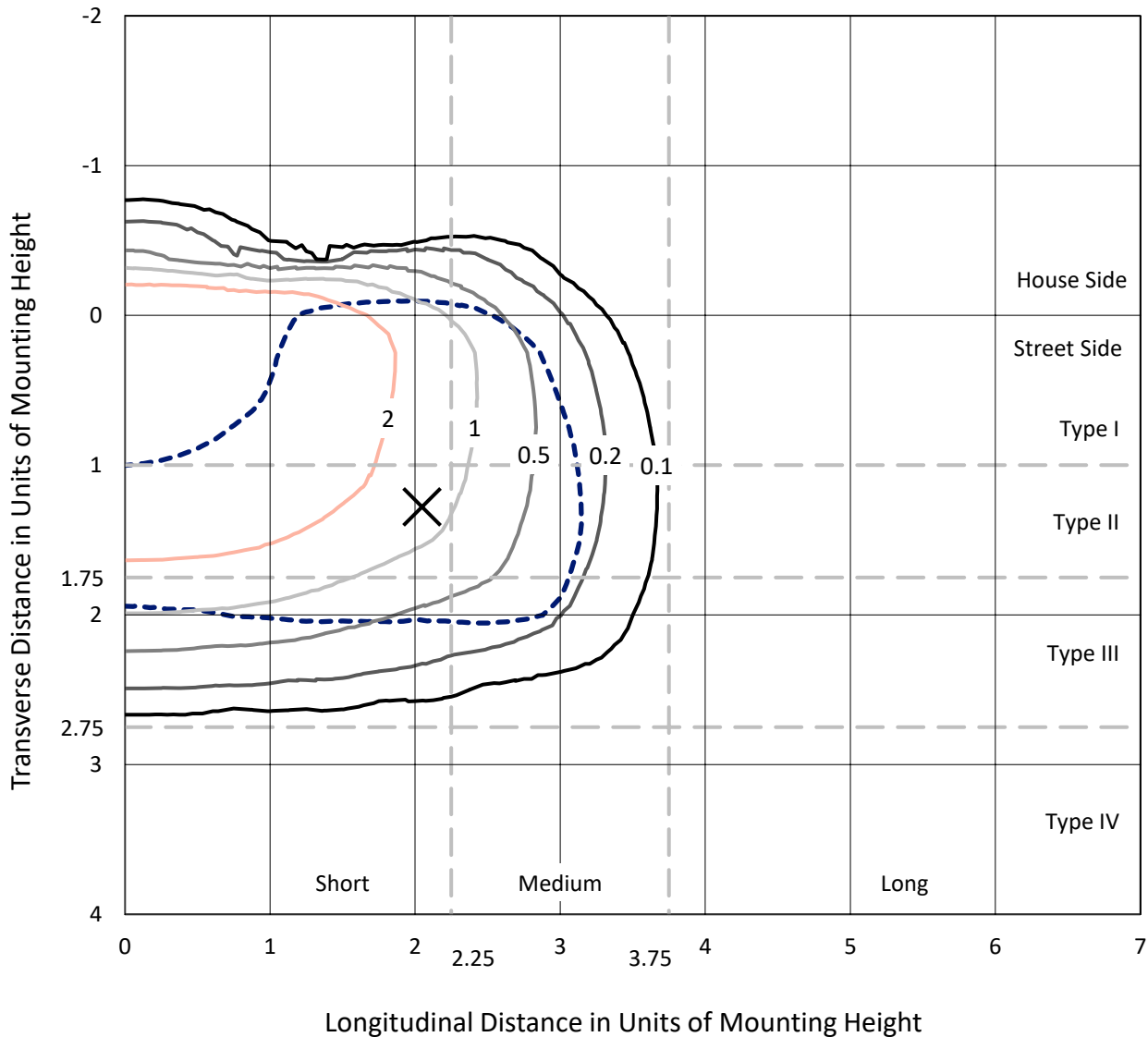
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

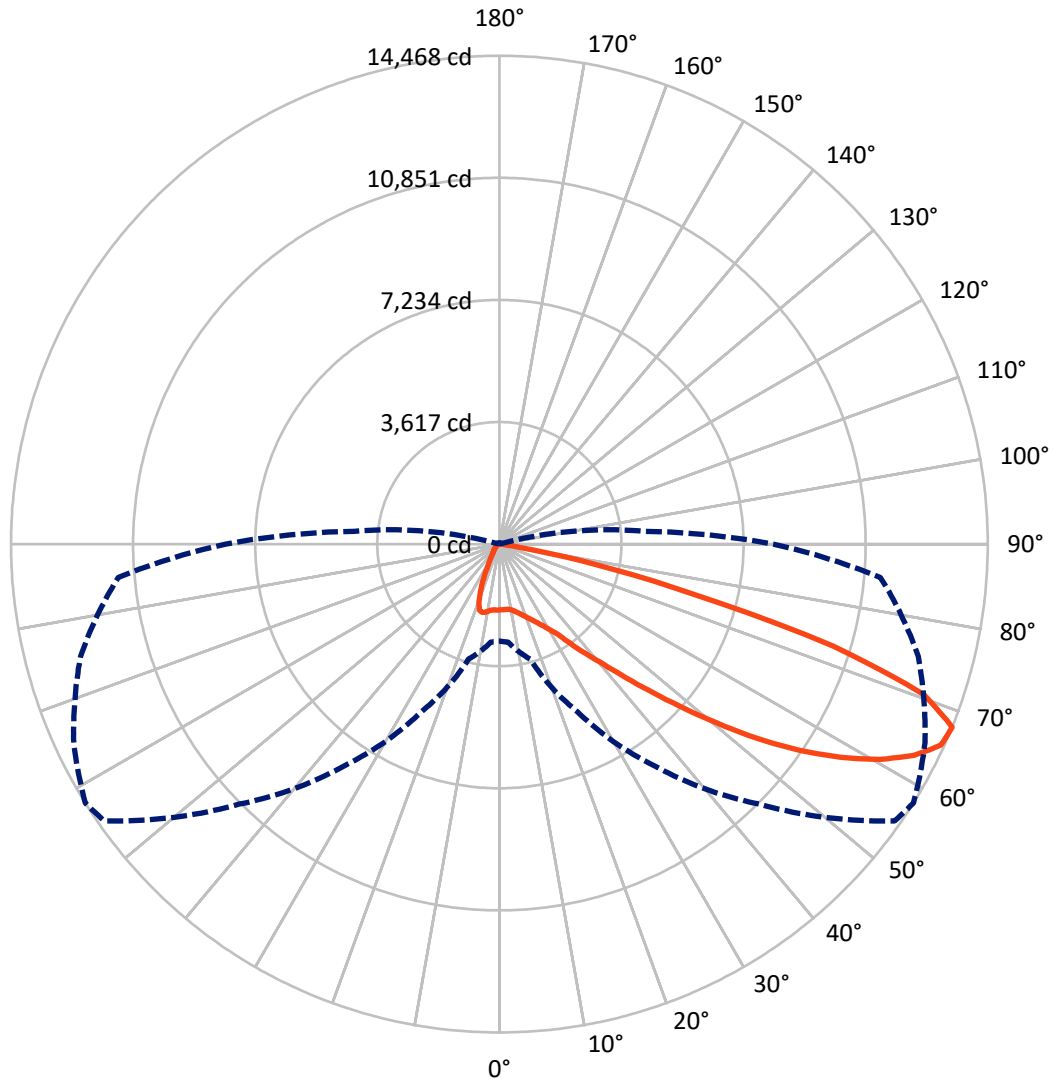
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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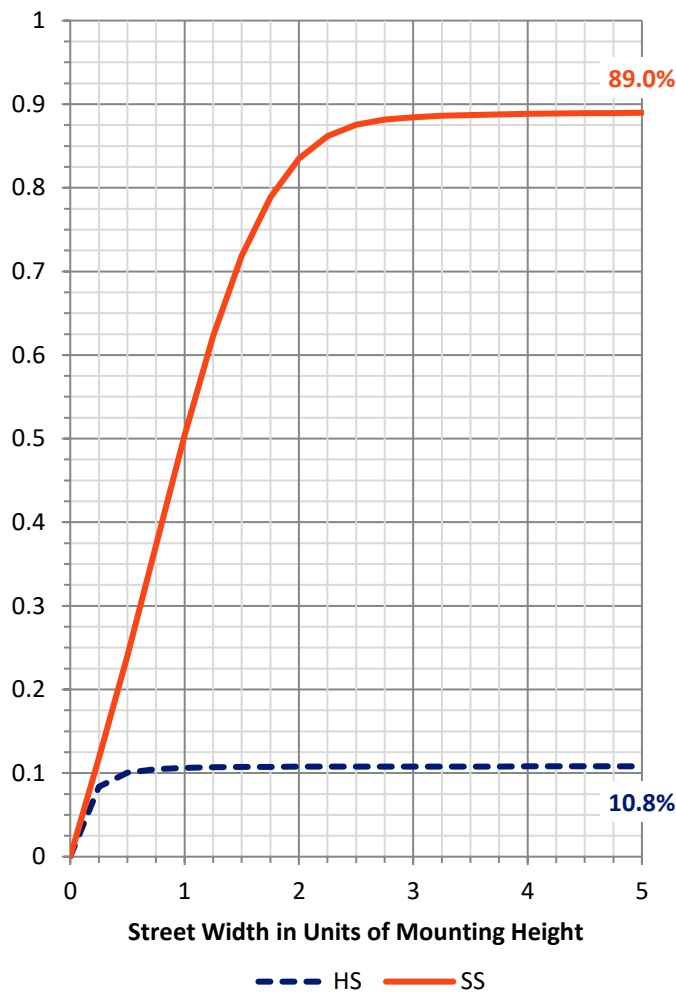
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1950.9	0.0	1950.9
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	15931.6	0.0	15931.6
	% Fixture	89.1	0.0	89.1
Total	Lumens	17882.5	0.0	17882.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.1	1.0
10°-20°	514.0	2.9
20°-30°	897.1	5.0
30°-40°	1602.2	9.0
40°-50°	2928.4	16.4
50°-60°	4870.3	27.2
60°-70°	5290.0	29.6
70°-80°	1553.2	8.7
80°-90°	44.2	0.2
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°	17882.5	100.0
0°-180°	17882.5	100.0

Coefficient of Utilization



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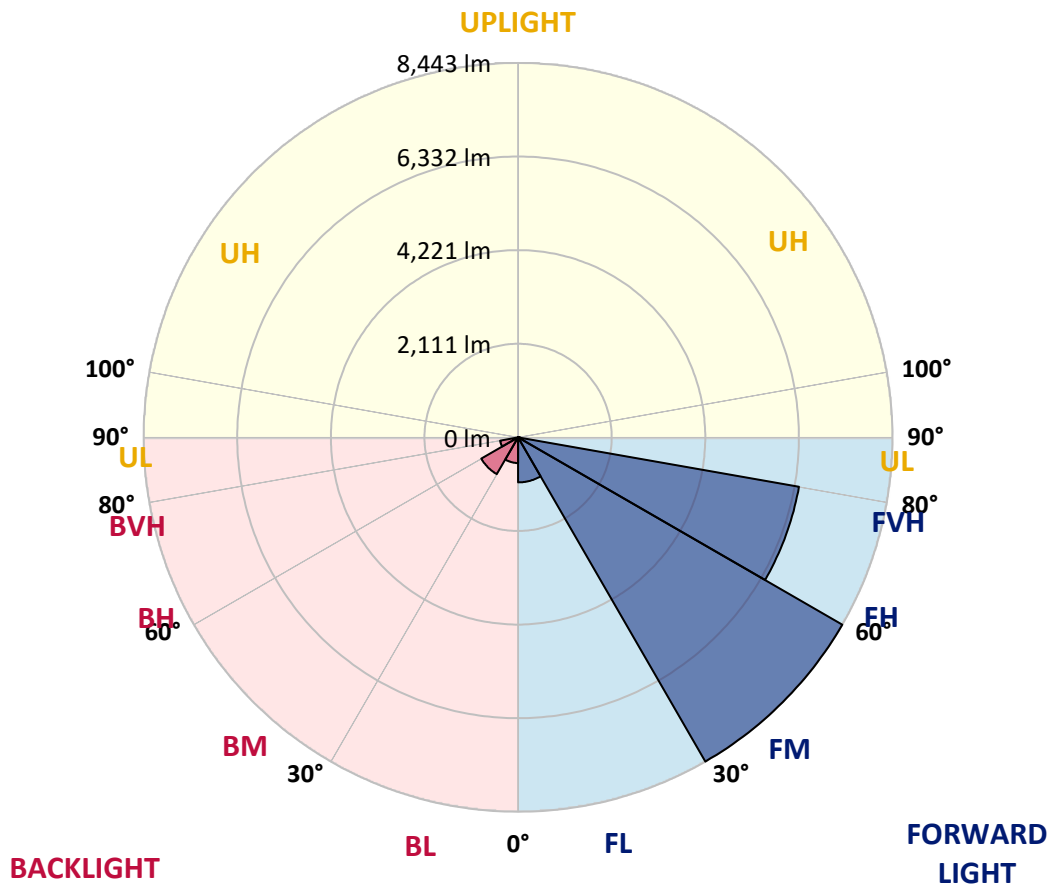
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1015.4	5.7			
FM (30°-60°)	8442.7	47.2			
FH (60°-80°)	6431.4	36.0			G3/7500
FVH (80°-90°)	42.1	0.2			G1/100
BL (0°-30°)	578.7	3.2	B2/1000		
BM (30°-60°)	958.2	5.4	B1/1000		
BH (60°-80°)	411.8	2.3	B1/500		G1/500
BVH (80°-90°)	2.2	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-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1948.7	1948.7	1948.7	1948.7	1948.7	1948.7	1948.7	1948.7	1948.7	1948.7	1948.7
2.5°	1912.0	1908.5	1908.5	1922.5	1924.2	1931.2	1946.9	1948.7	1957.4	1953.9	1941.7
5°	1812.5	1814.2	1824.7	1849.1	1870.1	1896.3	1934.7	1943.4	1962.6	1973.1	1966.1
7.5°	1719.9	1721.7	1737.4	1775.8	1816.0	1868.3	1931.2	1948.7	1987.1	2015.0	2016.8
10°	1685.0	1683.2	1699.0	1742.6	1795.0	1868.3	1959.1	1981.8	2039.5	2088.3	2097.1
12.5°	1695.5	1693.7	1709.4	1749.6	1807.2	1899.8	2008.0	2039.5	2112.8	2187.9	2203.6
15°	1737.4	1735.6	1746.1	1779.3	1842.1	1938.2	2070.9	2118.0	2210.6	2301.4	2325.8
17.5°	1863.1	1854.4	1843.9	1847.4	1884.1	1983.6	2151.2	2208.8	2324.1	2432.3	2453.3
20°	2086.6	2063.9	2036.0	1999.3	1981.8	2049.9	2243.8	2310.1	2449.8	2573.8	2577.3
22.5°	2423.6	2414.9	2350.3	2243.8	2168.7	2170.4	2352.0	2428.8	2600.0	2736.2	2716.9
25°	2893.3	2888.1	2788.5	2613.9	2418.4	2352.0	2490.0	2568.5	2778.1	2923.0	2861.9
27.5°	3476.5	3439.8	3322.8	3087.1	2795.5	2587.7	2664.6	2734.4	2966.6	3102.8	2987.6
30°	3984.6	3986.4	3876.4	3630.2	3301.9	2942.2	2877.6	2938.7	3139.5	3282.7	3143.0
32.5°	4473.5	4489.2	4368.8	4147.0	3787.3	3404.9	3183.2	3193.6	3361.3	3516.7	3347.3
35°	4927.5	4939.7	4855.9	4667.4	4332.1	3888.6	3609.2	3604.0	3694.8	3853.7	3631.9
37.5°	5435.6	5447.9	5365.8	5196.4	4882.1	4442.1	4092.9	4085.9	4122.6	4251.8	3998.6
40°	5976.9	5999.6	5908.8	5765.7	5465.3	5093.4	4655.1	4592.3	4555.6	4707.5	4473.5
42.5°	6525.2	6560.1	6528.7	6385.5	6128.8	5821.5	5385.0	5287.2	5208.6	5399.0	5151.0
45°	7206.2	7248.1	7234.1	7124.1	6925.1	6675.4	6263.3	6149.8	6113.1	6289.5	5994.4
47.5°	7861.0	7906.4	7957.0	7932.6	7791.1	7675.9	7218.4	7153.8	7143.3	7331.9	6874.4
50°	8348.1	8390.1	8583.9	8723.6	8819.6	8795.2	8398.8	8302.8	8287.0	8407.5	7803.4
52.5°	8697.4	8737.5	9004.7	9441.2	9793.9	9986.0	9586.1	9565.2	9479.6	9437.7	8672.9
55°	8968.0	9023.9	9305.0	9965.0	10675.7	11101.8	10852.1	10777.0	10557.0	10316.0	9479.6
57.5°	9022.1	9044.8	9441.2	10331.7	11360.2	12049.9	12049.9	11918.9	11494.6	11161.1	10412.1
60°	8536.7	8606.6	9142.6	10302.0	11653.5	12669.8	13043.4	12952.6	12379.9	11969.6	11309.6
62.5°	7459.4	7538.0	8191.0	9591.4	11360.2	12797.2	13796.0	13782.0	13136.0	12638.3	12053.4
65°	5720.3	5777.9	6347.1	8023.4	10120.5	12306.6	14333.8	14372.2	13733.2	13080.1	12310.1
67.5°	2874.1	2914.3	3528.9	5481.0	8021.6	10894.0	14297.1	14468.3	13914.7	12846.1	11330.5
70°	1004.0	1044.2	1334.0	2352.0	4882.1	8318.5	13060.9	13340.3	12847.9	10965.6	8358.6
72.5°	344.0	363.2	553.5	873.1	1899.8	4931.0	9931.9	10352.7	9470.9	7361.6	4803.5
75°	195.6	207.8	296.8	473.2	796.2	1622.1	5634.7	5893.1	5521.2	4012.6	1976.6
77.5°	132.7	143.2	185.1	268.9	440.0	522.1	2297.9	2893.3	2523.1	1309.6	504.6
80°	78.6	85.6	113.5	158.9	225.2	202.5	492.4	654.8	843.4	391.1	151.9
82.5°	36.7	41.9	73.3	104.8	113.5	85.6	144.9	176.4	237.5	192.1	62.9
85°	0.0	0.0	24.4	43.7	41.9	24.4	40.2	43.7	64.6	96.0	24.4
87.5°	0.0	0.0	0.0	0.0	0.0	1.7	3.5	5.2	10.5	19.2	10.5
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°	1948.7	1948.7	1948.7	1948.7	1948.7	1948.7	1948.7	1948.7	1948.7	1948.7	1948.7
2.5°	1955.6	1943.4	1957.4	1950.4	1957.4	1955.6	1941.7	1932.9	1932.9	1917.2	1912.0
5°	1980.1	1967.9	1971.4	1955.6	1952.2	1943.4	1926.0	1919.0	1919.0	1903.3	1898.0
7.5°	2034.2	2015.0	2011.5	1980.1	1966.1	1941.7	1910.2	1898.0	1896.3	1880.6	1875.3
10°	2119.8	2097.1	2081.4	2041.2	2001.0	1952.2	1885.8	1829.9	1798.5	1756.6	1753.1
12.5°	2224.5	2196.6	2172.2	2111.0	2044.7	1934.7	1739.1	1534.8	1409.1	1309.6	1316.6
15°	2341.5	2315.3	2276.9	2184.4	2048.2	1761.8	1353.2	1038.9	885.3	803.2	799.7
17.5°	2469.0	2430.6	2367.7	2242.0	1938.2	1346.3	880.0	621.6	541.3	513.4	506.4
20°	2587.7	2540.6	2462.0	2254.2	1620.4	911.5	550.0	481.9	468.0	459.2	459.2
22.5°	2713.5	2654.1	2537.1	2159.9	1204.8	583.2	468.0	452.2	441.8	429.5	427.8
25°	2840.9	2764.1	2605.2	1913.7	789.2	459.2	438.3	420.8	401.6	382.4	377.2
27.5°	2949.2	2849.7	2657.6	1547.1	506.4	413.8	399.9	370.2	344.0	323.0	319.5
30°	3078.4	2950.9	2680.3	1131.5	398.1	364.9	344.0	312.6	281.1	260.2	253.2
32.5°	3251.3	3111.6	2645.4	736.9	352.7	321.3	288.1	251.4	220.0	197.3	193.8
35°	3520.2	3354.3	2484.7	469.7	319.5	277.6	237.5	199.1	172.9	155.4	151.9
37.5°	3848.4	3694.8	2221.1	352.7	286.4	241.0	193.8	157.1	137.9	125.7	122.2
40°	4335.6	4120.8	1894.5	309.1	253.2	204.3	158.9	129.2	115.2	104.8	101.3
42.5°	4967.7	4623.7	1519.1	281.1	221.8	171.1	129.2	106.5	94.3	87.3	85.6
45°	5706.3	5114.4	1122.7	253.2	192.1	141.4	106.5	87.3	78.6	73.3	71.6
47.5°	6462.4	5543.9	775.3	223.5	164.1	117.0	89.1	75.1	68.1	61.1	59.4
50°	7269.1	5907.1	529.1	193.8	139.7	96.0	76.8	68.1	59.4	54.1	52.4
52.5°	7861.0	6041.5	368.4	167.6	118.7	82.1	68.1	61.1	54.1	47.1	45.4
55°	8407.5	6038.0	279.4	141.4	101.3	71.6	61.1	54.1	47.1	41.9	40.2
57.5°	8952.3	5990.9	220.0	120.5	87.3	64.6	54.1	47.1	43.7	36.7	34.9
60°	9305.0	5812.8	171.1	101.3	75.1	55.9	47.1	41.9	36.7	31.4	29.7
62.5°	9491.9	5564.9	131.0	80.3	61.1	48.9	41.9	36.7	31.4	26.2	24.4
65°	9238.7	5124.8	103.0	62.9	47.1	41.9	34.9	29.7	24.4	19.2	17.5
67.5°	8115.9	4321.6	80.3	50.6	36.7	31.4	29.7	24.4	17.5	14.0	12.2
70°	5736.0	2959.7	62.9	38.4	27.9	24.4	22.7	19.2	14.0	10.5	8.7
72.5°	3148.2	1492.9	45.4	27.9	21.0	19.2	17.5	15.7	12.2	8.7	8.7
75°	1211.8	410.3	33.2	19.2	14.0	14.0	12.2	12.2	10.5	7.0	7.0
77.5°	316.0	122.2	21.0	12.2	8.7	8.7	8.7	7.0	7.0	5.2	5.2
80°	101.3	40.2	12.2	8.7	7.0	5.2	5.2	3.5	5.2	3.5	3.5
82.5°	33.2	14.0	7.0	7.0	5.2	3.5	3.5	1.7	1.7	0.0	0.0
85°	12.2	7.0	5.2	3.5	3.5	3.5	1.7	0.0	0.0	0.0	0.0
87.5°	7.0	3.5	3.5	3.5	3.5	1.7	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)