

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: P632315

Luminaire Tested: GWS-SA2C-740-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632315
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-740-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7496 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

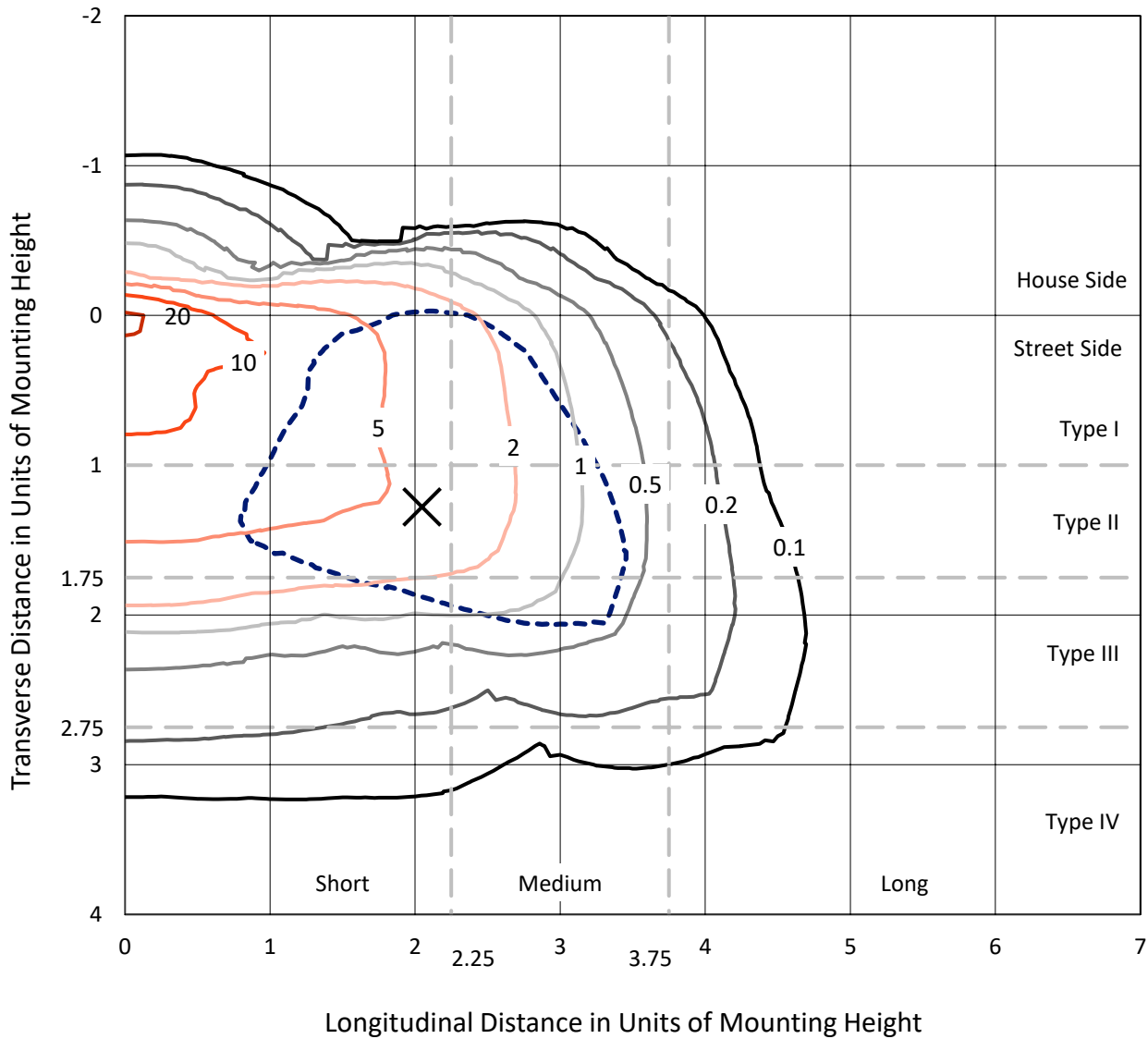
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632315
 CATALOG NUMBER: GWS-SA2C-740-U-SL3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

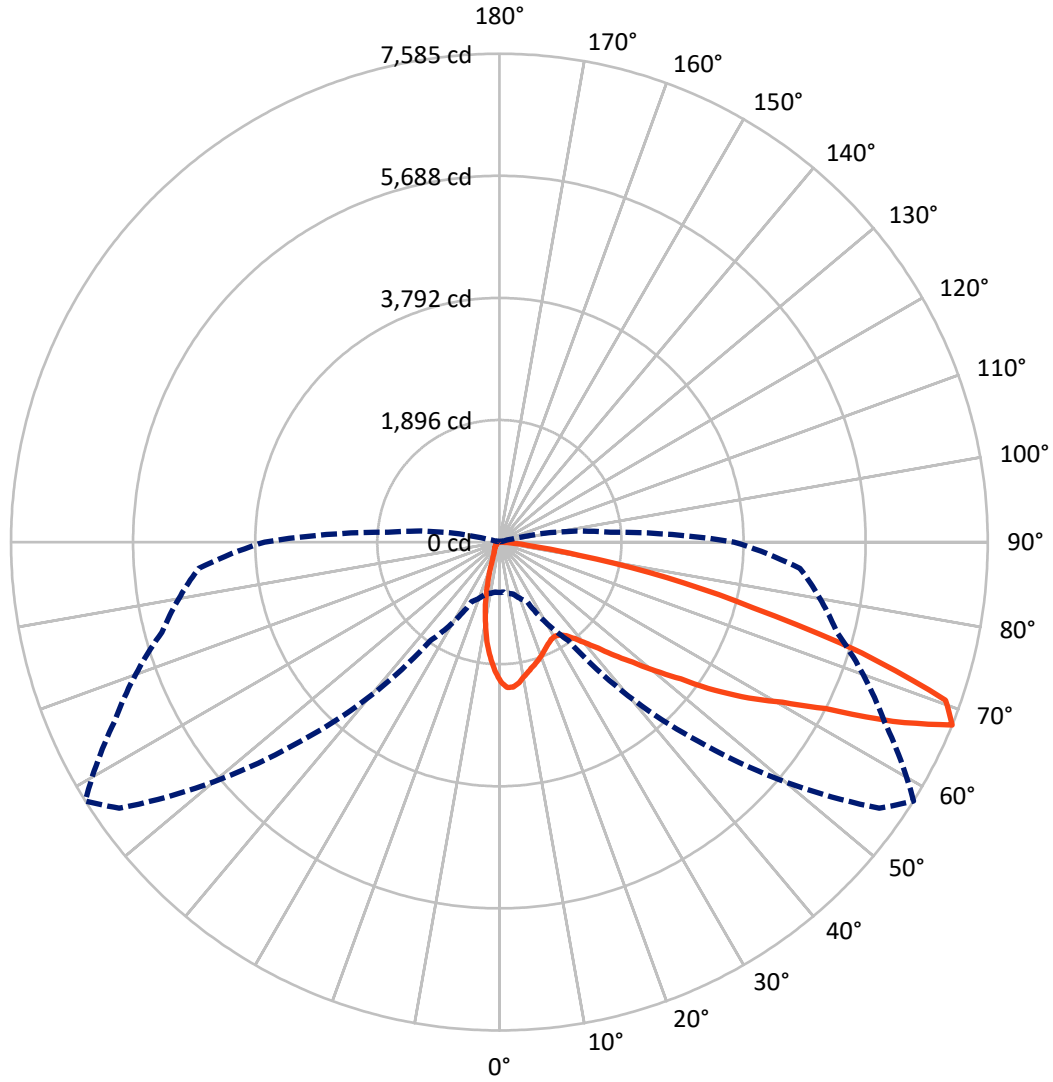
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.6 fc
 Type III - Short - N/A

REPORT NUMBER: P632315
CATALOG NUMBER: GWS-SA2C-740-U-SL3-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P632315
 CATALOG NUMBER: GWS-SA2C-740-U-SL3-W-HSS

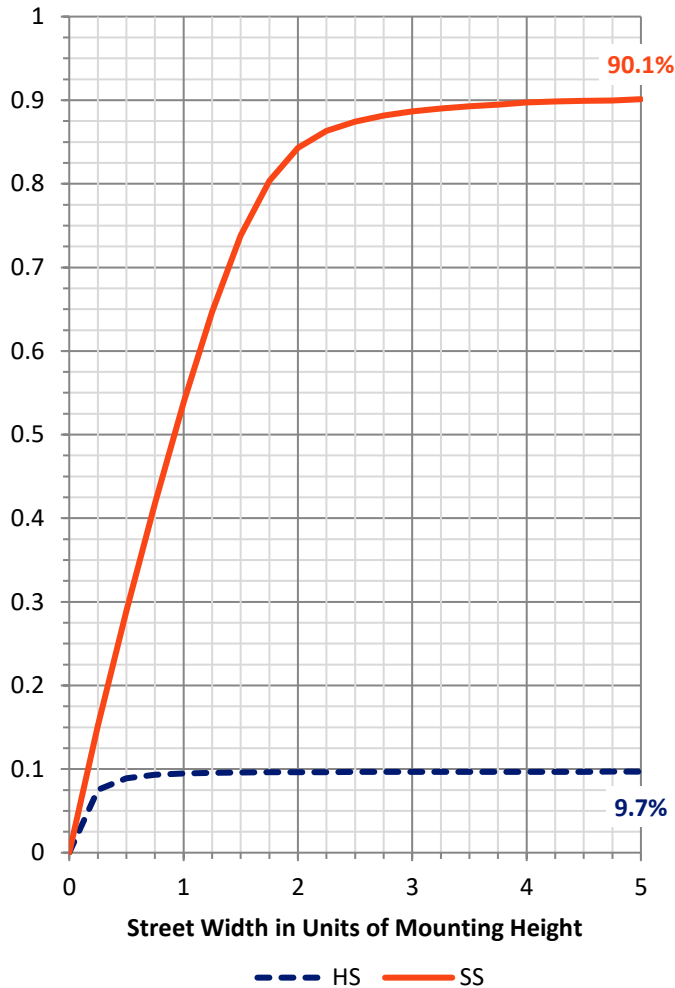
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	732.3	0.0	732.3
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	6763.7	0.0	6763.7
	% Fixture	90.2	0.0	90.2
Total	Lumens	7496.0	0.0	7496.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.7	2.3
10°-20°	365.7	4.9
20°-30°	493.2	6.6
30°-40°	693.1	9.2
40°-50°	1070.4	14.3
50°-60°	1711.7	22.8
60°-70°	2026.8	27.0
70°-80°	896.6	12.0
80°-90°	62.7	0.8
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°	7496.0	100.0
0°-180°	7496.0	100.0

Coefficient of Utilization



REPORT NUMBER: P632315

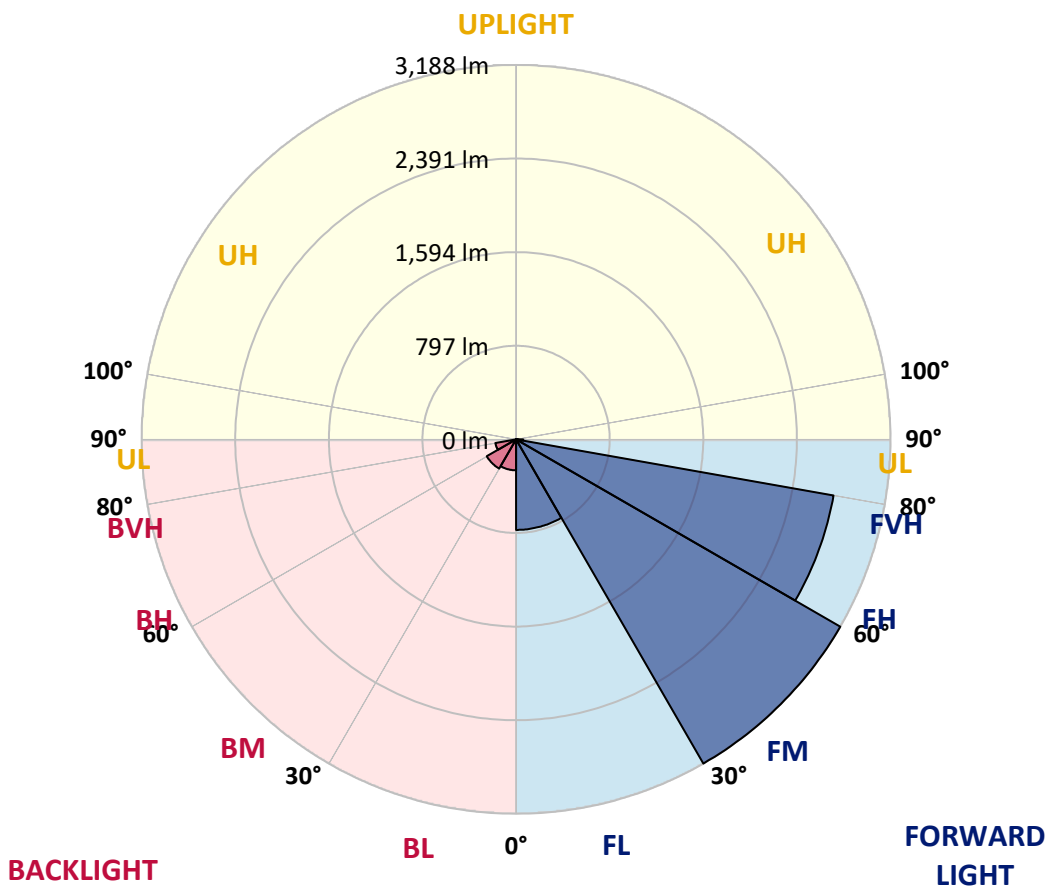
CATALOG NUMBER: GWS-SA2C-740-U-SL3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	771.1	10.3			
FM (30°-60°)	3187.9	42.5			
FH (60°-80°)	2744.6	36.6			G2/5000
FVH (80°-90°)	60.0	0.8			G1/100
BL (0°-30°)	263.5	3.5	B1/500		
BM (30°-60°)	287.3	3.8	B1/1000		
BH (60°-80°)	178.8	2.4	B1/500		G1/500
BVH (80°-90°)	2.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





REPORT NUMBER: P632315

CATALOG NUMBER: GWS-SA2C-740-U-SL3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2162.2	2162.2	2162.2	2162.2	2162.2	2162.2	2162.2	2162.2	2162.2	2162.2	2162.2
2.5°	2274.3	2278.3	2283.6	2290.2	2288.9	2282.9	2275.6	2259.1	2248.4	2215.3	2174.8
5°	2201.3	2200.7	2213.9	2226.6	2249.1	2261.1	2277.6	2262.4	2257.1	2217.3	2151.6
7.5°	2058.7	2066.0	2081.3	2101.2	2133.7	2168.8	2208.6	2204.0	2219.9	2193.4	2111.8
10°	1918.7	1914.7	1938.6	1968.5	2018.2	2063.3	2121.1	2120.4	2162.2	2159.5	2066.7
12.5°	1796.0	1795.3	1813.9	1847.7	1906.1	1969.1	2047.4	2049.4	2101.2	2122.4	2028.2
15°	1692.5	1693.8	1711.7	1746.9	1807.3	1884.2	1975.1	1991.7	2050.1	2093.2	1990.4
17.5°	1618.8	1619.5	1630.1	1660.6	1719.7	1801.9	1911.4	1934.0	2008.9	2071.3	1959.8
20°	1585.0	1582.3	1584.3	1599.6	1645.4	1720.3	1846.4	1875.6	1971.1	2056.0	1932.0
22.5°	1589.6	1585.7	1576.4	1574.4	1594.9	1652.0	1777.4	1813.2	1930.0	2046.8	1906.8
25°	1630.8	1622.1	1608.9	1589.0	1581.0	1609.5	1717.0	1754.2	1891.5	2047.4	1887.5
27.5°	1693.8	1684.5	1667.9	1641.4	1610.2	1598.3	1675.9	1711.0	1864.3	2062.7	1878.2
30°	1774.1	1766.8	1750.9	1719.0	1677.2	1628.1	1667.3	1696.5	1851.0	2093.9	1882.2
32.5°	1869.0	1863.6	1850.4	1821.2	1773.4	1698.4	1696.5	1719.0	1861.7	2139.0	1897.5
35°	1960.5	1962.5	1963.2	1947.2	1896.2	1805.3	1776.7	1784.7	1905.4	2206.6	1932.0
37.5°	2059.4	2054.7	2078.6	2089.9	2040.8	1943.9	1900.8	1901.5	1989.0	2306.8	1997.0
40°	2134.3	2135.7	2187.4	2233.9	2213.3	2119.7	2058.0	2057.4	2117.7	2444.2	2101.8
42.5°	2204.7	2213.3	2289.6	2369.2	2397.7	2314.8	2270.3	2253.8	2298.2	2629.9	2259.1
45°	2279.6	2292.2	2399.1	2512.5	2587.5	2538.4	2503.2	2509.8	2515.2	2846.2	2470.7
47.5°	2367.2	2375.2	2507.2	2667.1	2807.1	2794.5	2796.5	2788.5	2785.8	3118.9	2750.7
50°	2473.4	2491.9	2643.9	2834.9	3026.0	3109.6	3137.5	3140.8	3097.7	3416.1	3040.6
52.5°	2698.9	2721.5	2851.5	3018.7	3264.9	3440.7	3554.1	3531.6	3465.2	3704.1	3358.4
55°	2965.0	2982.2	3107.6	3280.8	3556.8	3803.6	4072.9	4063.7	3901.1	4007.3	3619.8
57.5°	2990.2	3009.4	3203.8	3469.2	3931.6	4252.1	4535.4	4565.2	4327.1	4222.2	3853.3
60°	2706.9	2746.0	3011.4	3368.4	4074.9	4855.2	5042.3	5048.2	4639.5	4440.5	4138.6
62.5°	2169.5	2188.1	2455.4	2921.2	3854.0	5206.8	5816.5	5690.4	5040.9	4778.2	4590.4
65°	1137.2	1212.8	1445.7	1961.2	3125.5	5084.1	6748.0	6713.5	5762.8	5261.9	4942.1
67.5°	780.2	779.6	834.6	1022.4	1863.6	4377.5	7205.1	7584.6	6597.4	5427.7	4687.3
70°	593.8	595.8	644.9	767.0	965.3	2913.9	6703.5	7352.4	6752.6	4928.1	3791.0
72.5°	394.1	398.1	479.7	619.7	770.9	1428.4	5209.4	5882.9	5681.8	3958.2	2668.4
75°	235.5	238.8	297.2	450.5	685.3	799.5	3310.0	4067.0	3911.1	2728.1	1430.4
77.5°	96.9	99.5	152.6	280.6	501.6	621.0	1830.5	2661.1	2342.7	1084.7	390.8
80°	40.5	41.8	73.6	196.4	361.6	389.4	847.9	1250.6	960.0	233.5	119.4
82.5°	14.6	15.3	27.2	108.1	224.9	293.2	427.9	494.3	270.7	76.3	64.4
85°	0.7	0.7	6.6	36.5	85.6	82.9	244.8	236.9	89.6	31.8	38.5
87.5°	0.0	0.0	0.7	0.7	1.3	3.3	23.2	41.1	19.2	8.0	16.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P632315
 CATALOG NUMBER: GWS-SA2C-740-U-SL3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2162.2	2162.2	2162.2	2162.2	2162.2	2162.2	2162.2	2162.2	2162.2	2162.2	2162.2
2.5°	2148.3	2113.1	2074.6	2038.8	1981.7	1947.9	1906.1	1887.5	1861.0	1854.4	1858.3
5°	2104.5	2044.1	1951.9	1868.3	1760.1	1673.2	1585.7	1548.5	1500.7	1468.9	1455.6
7.5°	2042.8	1963.8	1819.9	1667.9	1519.3	1360.7	1240.0	1160.4	1088.1	1048.3	1040.3
10°	1980.4	1877.6	1671.2	1453.6	1223.4	1033.7	870.5	749.7	651.5	607.1	572.6
12.5°	1916.1	1788.0	1520.0	1236.0	968.6	709.9	508.2	390.8	320.4	292.6	297.2
15°	1857.0	1701.8	1370.0	1018.4	682.0	428.6	280.6	236.9	220.3	215.0	214.3
17.5°	1800.6	1620.2	1220.8	806.8	449.8	262.7	215.0	204.3	199.7	197.0	197.0
20°	1749.5	1541.9	1074.8	607.7	290.6	208.3	194.4	189.1	185.1	183.1	183.1
22.5°	1701.8	1466.2	932.2	429.9	214.3	187.1	178.5	173.2	168.5	165.9	165.9
25°	1658.6	1397.9	796.1	295.9	184.4	171.2	161.9	155.9	148.0	143.3	143.3
27.5°	1627.5	1336.9	665.4	215.6	166.5	153.9	143.3	135.3	126.7	121.4	120.1
30°	1608.9	1285.1	533.4	177.1	149.9	137.3	125.4	115.4	105.5	100.2	99.5
32.5°	1598.3	1237.3	412.7	154.6	136.0	121.4	108.1	97.5	87.6	81.6	80.9
35°	1602.2	1200.2	309.2	139.3	122.7	107.5	92.9	82.3	73.6	68.3	67.0
37.5°	1636.7	1183.6	232.2	127.4	111.5	95.5	80.3	70.3	62.4	58.4	57.7
40°	1703.8	1186.9	182.4	118.1	102.2	83.6	69.0	59.7	53.7	50.4	49.8
42.5°	1807.9	1214.8	150.6	110.1	92.2	73.0	59.7	52.4	46.4	43.1	42.5
45°	1963.2	1272.5	131.4	100.8	81.6	63.0	51.7	45.1	39.8	35.8	35.2
47.5°	2188.1	1372.7	118.8	92.2	72.3	54.4	44.5	37.8	33.2	29.9	29.2
50°	2427.6	1492.8	108.1	83.6	64.4	47.1	37.8	31.2	27.2	23.9	23.2
52.5°	2683.0	1622.1	100.2	75.6	57.1	40.5	31.8	25.9	21.9	18.6	17.9
55°	2928.5	1752.2	90.9	70.3	48.4	34.5	26.5	21.2	17.2	14.6	14.6
57.5°	3167.3	1871.6	80.9	61.7	39.8	29.2	21.9	17.2	13.9	11.9	11.3
60°	3452.6	2036.8	69.7	52.4	33.2	24.5	17.9	13.9	11.3	9.3	9.3
62.5°	3876.6	2208.6	59.7	43.8	27.9	20.6	14.6	11.3	9.3	8.0	7.3
65°	4015.2	2115.8	50.4	35.8	22.6	16.6	11.9	10.0	8.0	7.3	6.6
67.5°	3645.0	1734.3	41.8	29.2	18.6	13.9	10.6	8.6	7.3	6.6	6.0
70°	2844.2	1230.7	32.5	21.9	15.3	11.3	9.3	8.0	6.6	6.0	6.0
72.5°	1934.6	727.8	25.9	16.6	12.6	10.0	8.0	7.3	6.6	6.0	5.3
75°	952.7	258.7	19.9	12.6	10.0	8.6	7.3	6.6	6.0	5.3	5.3
77.5°	256.8	71.7	15.3	10.0	8.0	6.6	6.6	6.6	6.0	4.6	4.6
80°	86.9	29.9	11.3	7.3	6.6	5.3	4.6	6.0	5.3	4.6	4.0
82.5°	47.8	14.6	8.0	6.0	4.6	4.0	4.0	4.0	4.0	3.3	3.3
85°	30.5	8.0	5.3	4.6	4.6	3.3	2.7	2.7	2.0	2.0	2.0
87.5°	13.9	4.6	4.6	4.0	4.0	3.3	2.0	1.3	0.7	0.7	0.7
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)