

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: P635913

Luminaire Tested: GWS-SA3E-760-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635913
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-SA3E-760-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16288.7 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

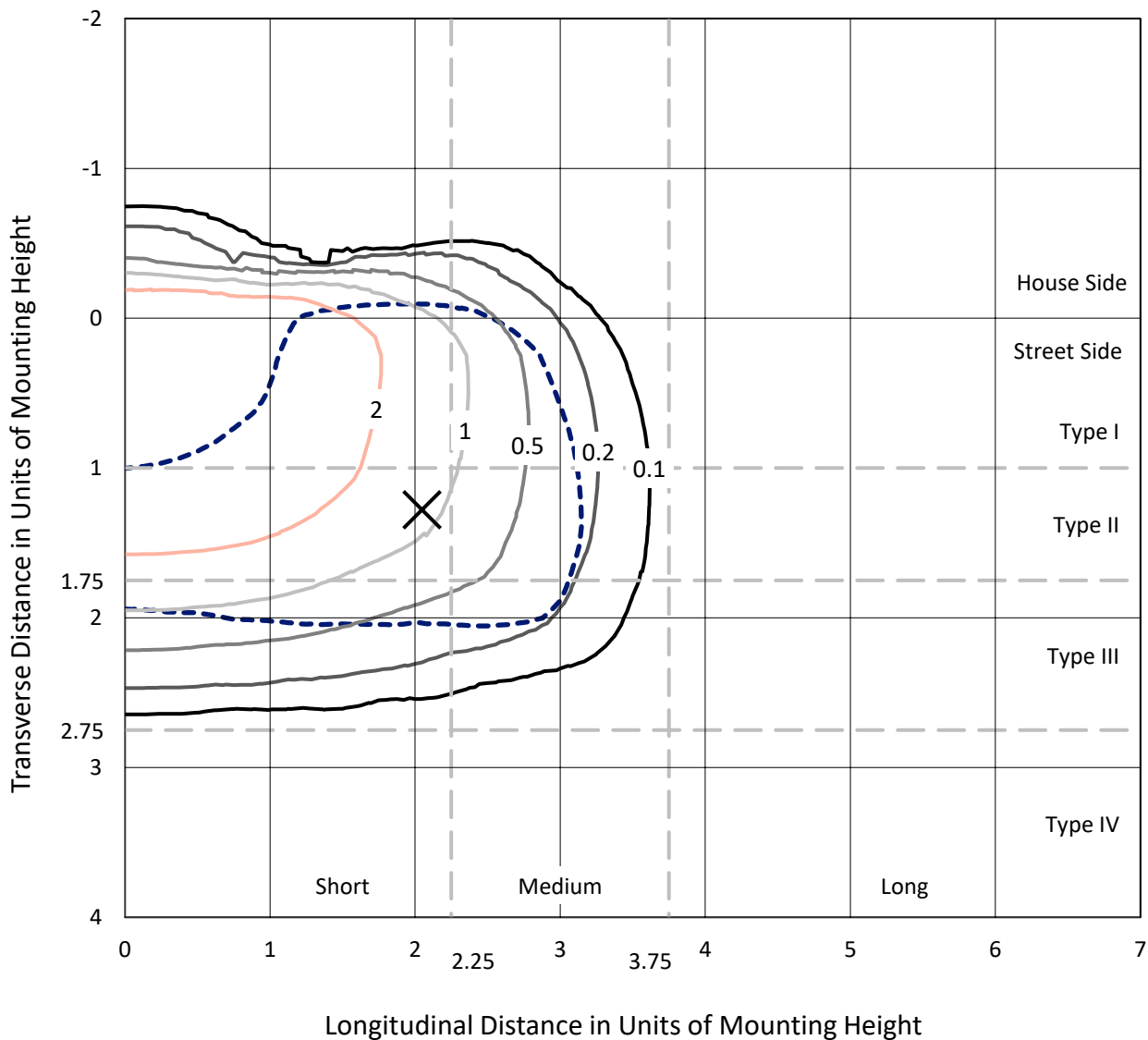
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

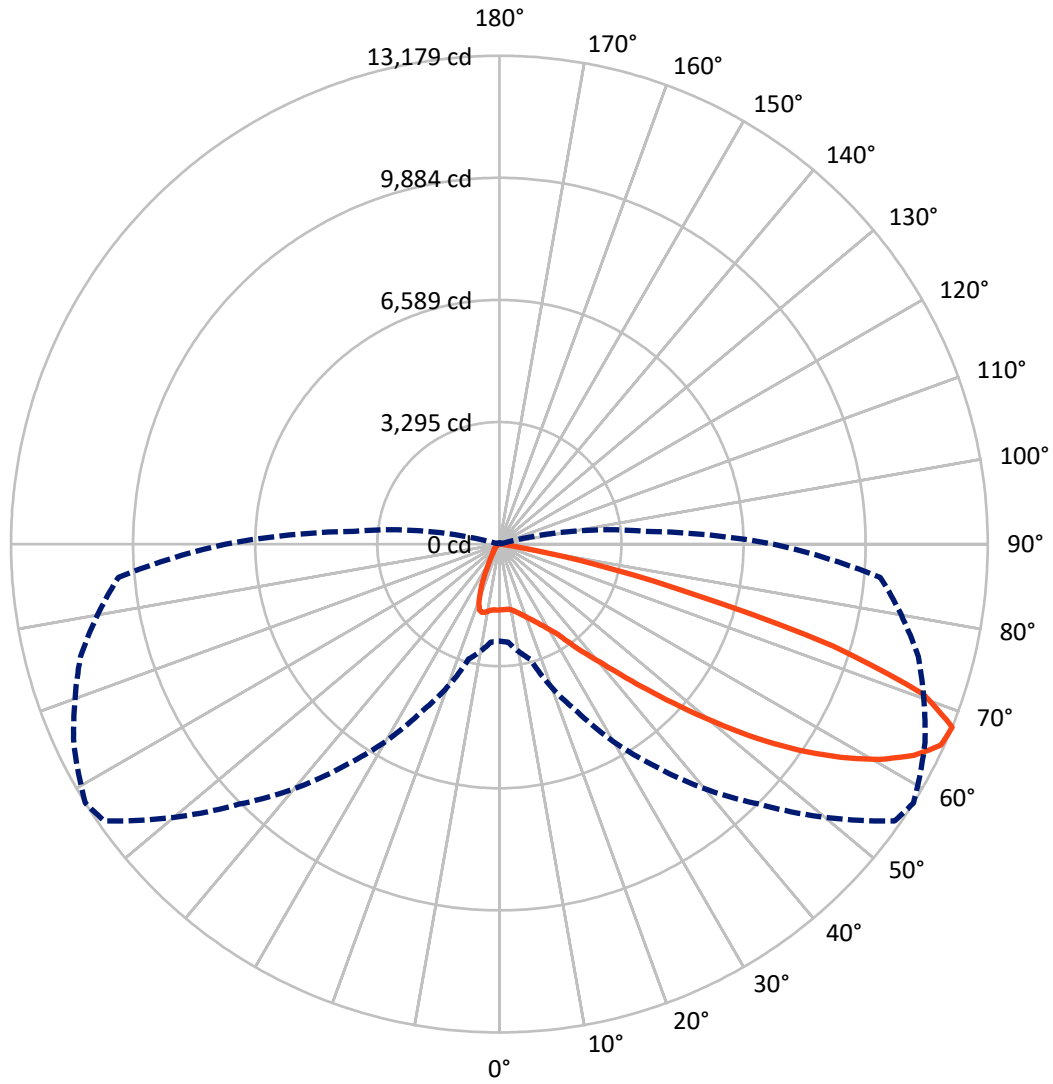
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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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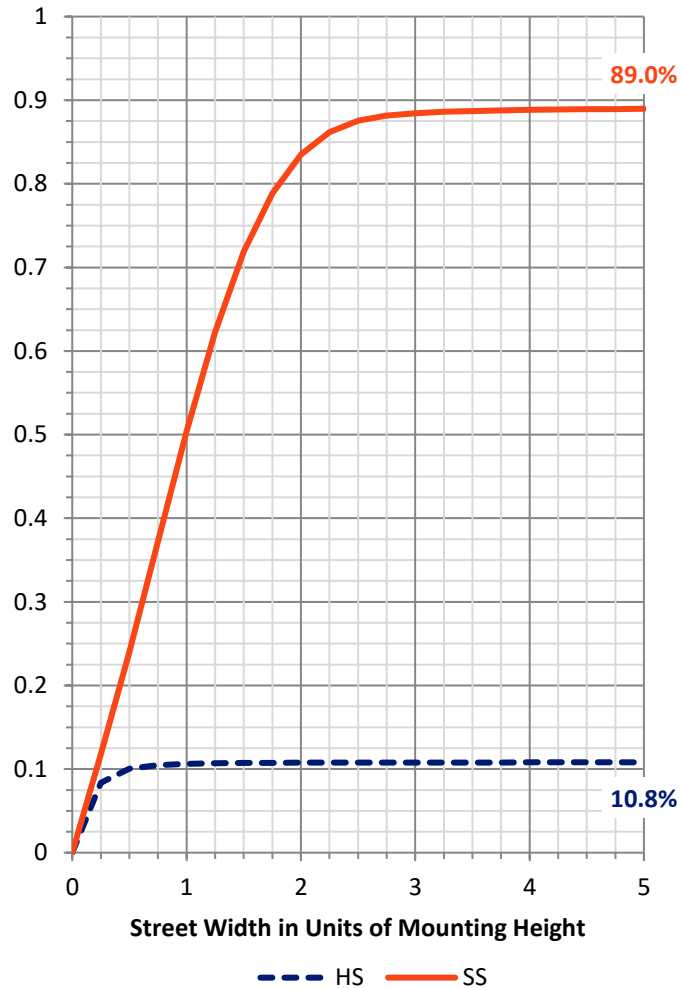
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1777.1	0.0	1777.1
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	14511.6	0.0	14511.6
	% Fixture	89.1	0.0	89.1
Total	Lumens	16288.7	0.0	16288.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.7	1.0
10°-20°	468.2	2.9
20°-30°	817.2	5.0
30°-40°	1459.4	9.0
40°-50°	2667.4	16.4
50°-60°	4436.2	27.2
60°-70°	4818.5	29.6
70°-80°	1414.8	8.7
80°-90°	40.3	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°	16288.7	100.0
0°-180°	16288.7	100.0

Coefficient of Utilization



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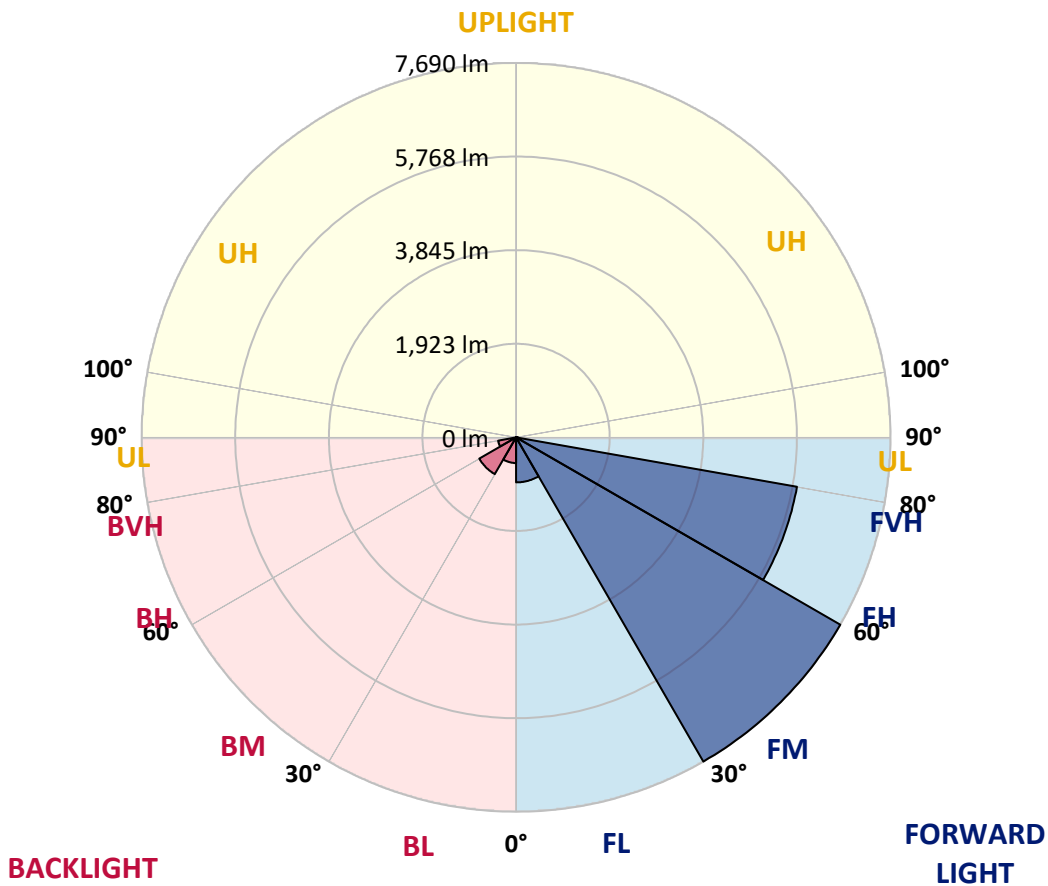
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	924.9	5.7			
FM (30°-60°)	7690.2	47.2			
FH (60°-80°)	5858.2	36.0			G3/7500
FVH (80°-90°)	38.3	0.2			G1/100
BL (0°-30°)	527.1	3.2	B2/1000		
BM (30°-60°)	872.8	5.4	B1/1000		
BH (60°-80°)	375.1	2.3	B1/500		G1/500
BVH (80°-90°)	2.0	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°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0
2.5°	1741.6	1738.4	1738.4	1751.1	1752.7	1759.1	1773.4	1775.0	1782.9	1779.8	1768.6
5°	1650.9	1652.5	1662.1	1684.3	1703.4	1727.3	1762.3	1770.2	1787.7	1797.2	1790.9
7.5°	1566.6	1568.2	1582.5	1617.5	1654.1	1701.8	1759.1	1775.0	1810.0	1835.4	1837.0
10°	1534.8	1533.2	1547.5	1587.3	1635.0	1701.8	1784.5	1805.2	1857.7	1902.2	1910.2
12.5°	1544.4	1542.8	1557.1	1593.7	1646.2	1730.4	1829.1	1857.7	1924.5	1992.9	2007.2
15°	1582.5	1580.9	1590.5	1620.7	1678.0	1765.4	1886.3	1929.3	2013.6	2096.3	2118.5
17.5°	1697.0	1689.1	1679.6	1682.7	1716.1	1806.8	1959.5	2012.0	2116.9	2215.5	2234.6
20°	1900.6	1880.0	1854.5	1821.1	1805.2	1867.2	2043.8	2104.2	2231.5	2344.4	2347.6
22.5°	2207.6	2199.6	2140.8	2043.8	1975.4	1977.0	2142.4	2212.4	2368.2	2492.3	2474.8
25°	2635.4	2630.7	2540.0	2381.0	2202.8	2142.4	2268.0	2339.6	2530.5	2662.5	2606.8
27.5°	3166.7	3133.3	3026.7	2812.0	2546.4	2357.1	2427.1	2490.7	2702.2	2826.3	2721.3
30°	3629.5	3631.1	3530.9	3306.6	3007.6	2680.0	2621.1	2676.8	2859.7	2990.1	2862.9
32.5°	4074.8	4089.1	3979.4	3777.4	3449.8	3101.4	2899.5	2909.0	3061.7	3203.2	3049.0
35°	4488.3	4499.5	4423.1	4251.4	3946.0	3542.0	3287.5	3282.8	3365.5	3510.2	3308.2
37.5°	4951.2	4962.3	4887.6	4733.3	4447.0	4046.2	3728.1	3721.7	3755.1	3872.8	3642.2
40°	5444.2	5464.9	5382.2	5251.8	4978.2	4639.4	4240.2	4183.0	4149.6	4287.9	4074.8
42.5°	5943.6	5975.5	5946.8	5816.4	5582.6	5302.7	4905.1	4816.0	4744.4	4917.8	4691.9
45°	6563.9	6602.1	6589.4	6489.2	6307.9	6080.4	5705.1	5601.7	5568.3	5728.9	5460.1
47.5°	7160.4	7201.7	7247.8	7225.6	7096.7	6991.8	6575.1	6516.2	6506.7	6678.4	6261.7
50°	7604.1	7642.3	7818.8	7946.1	8033.5	8011.3	7650.2	7562.8	7548.4	7658.2	7107.9
52.5°	7922.2	7958.8	8202.1	8599.8	8921.0	9096.0	8731.8	8712.7	8634.7	8596.6	7899.9
55°	8168.7	8219.6	8475.7	9076.9	9724.2	10112.3	9884.9	9816.5	9616.1	9396.6	8634.7
57.5°	8218.0	8238.7	8599.8	9410.9	10347.7	10975.9	10975.9	10856.7	10470.2	10166.4	9484.1
60°	7775.9	7839.5	8327.8	9383.9	10614.9	11540.6	11880.9	11798.2	11276.5	10902.8	10301.6
62.5°	6794.6	6866.1	7461.0	8736.5	10347.7	11656.7	12566.4	12553.7	11965.2	11511.9	10979.1
65°	5210.4	5262.9	5781.4	7308.3	9218.5	11209.7	13056.3	13091.3	12509.2	11914.3	11212.9
67.5°	2617.9	2654.5	3214.4	4992.5	7306.7	9923.0	13022.9	13178.8	12674.6	11701.2	10320.7
70°	914.5	951.1	1215.1	2142.4	4447.0	7577.1	11896.8	12151.3	11702.8	9988.2	7613.7
72.5°	313.3	330.8	504.2	795.2	1730.4	4491.5	9046.7	9430.0	8626.8	6705.5	4375.4
75°	178.1	189.3	270.4	431.0	725.3	1477.6	5132.5	5367.9	5029.1	3654.9	1800.4
77.5°	120.9	130.4	168.6	244.9	400.8	475.6	2093.1	2635.4	2298.3	1192.9	459.7
80°	71.6	77.9	103.4	144.7	205.2	184.5	448.5	596.4	768.2	356.3	138.4
82.5°	33.4	38.2	66.8	95.4	103.4	77.9	132.0	160.6	216.3	175.0	57.3
85°	0.0	0.0	22.3	39.8	38.2	22.3	36.6	39.8	58.8	87.5	22.3
87.5°	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.8	9.5	17.5	9.5
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°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0
2.5°	1781.3	1770.2	1782.9	1776.6	1782.9	1781.3	1768.6	1760.7	1760.7	1746.4	1741.6
5°	1803.6	1792.5	1795.7	1781.3	1778.2	1770.2	1754.3	1747.9	1747.9	1733.6	1728.9
7.5°	1852.9	1835.4	1832.2	1803.6	1790.9	1768.6	1740.0	1728.9	1727.3	1713.0	1708.2
10°	1930.8	1910.2	1895.9	1859.3	1822.7	1778.2	1717.7	1666.8	1638.2	1600.0	1596.8
12.5°	2026.3	2000.8	1978.6	1922.9	1862.5	1762.3	1584.1	1398.0	1283.5	1192.9	1199.2
15°	2132.8	2109.0	2074.0	1989.7	1865.6	1604.8	1232.6	946.3	806.4	731.6	728.4
17.5°	2248.9	2214.0	2156.7	2042.2	1765.4	1226.3	801.6	566.2	493.1	467.6	461.2
20°	2357.1	2314.2	2242.6	2053.3	1476.0	830.2	501.0	439.0	426.3	418.3	418.3
22.5°	2471.6	2417.5	2311.0	1967.4	1097.4	531.2	426.3	411.9	402.4	391.3	389.7
25°	2587.7	2517.7	2373.0	1743.2	718.9	418.3	399.2	383.3	365.8	348.3	343.5
27.5°	2686.3	2595.7	2420.7	1409.2	461.2	376.9	364.2	337.2	313.3	294.2	291.1
30°	2804.0	2687.9	2441.4	1030.6	362.6	332.4	313.3	284.7	256.1	237.0	230.6
32.5°	2961.5	2834.2	2409.6	671.2	321.3	292.6	262.4	229.0	200.4	179.7	176.5
35°	3206.4	3055.3	2263.3	427.8	291.1	252.9	216.3	181.3	157.5	141.6	138.4
37.5°	3505.4	3365.5	2023.1	321.3	260.8	219.5	176.5	143.1	125.6	114.5	111.3
40°	3949.2	3753.5	1725.7	281.5	230.6	186.1	144.7	117.7	105.0	95.4	92.2
42.5°	4524.9	4211.6	1383.7	256.1	202.0	155.9	117.7	97.0	85.9	79.5	77.9
45°	5197.7	4658.5	1022.7	230.6	175.0	128.8	97.0	79.5	71.6	66.8	65.2
47.5°	5886.4	5049.8	706.2	203.6	149.5	106.6	81.1	68.4	62.0	55.7	54.1
50°	6621.2	5380.6	481.9	176.5	127.2	87.5	70.0	62.0	54.1	49.3	47.7
52.5°	7160.4	5503.1	335.6	152.7	108.2	74.8	62.0	55.7	49.3	42.9	41.4
55°	7658.2	5499.9	254.5	128.8	92.2	65.2	55.7	49.3	42.9	38.2	36.6
57.5°	8154.4	5457.0	200.4	109.7	79.5	58.8	49.3	42.9	39.8	33.4	31.8
60°	8475.7	5294.7	155.9	92.2	68.4	50.9	42.9	38.2	33.4	28.6	27.0
62.5°	8645.9	5068.9	119.3	73.2	55.7	44.5	38.2	33.4	28.6	23.9	22.3
65°	8415.3	4668.1	93.8	57.3	42.9	38.2	31.8	27.0	22.3	17.5	15.9
67.5°	7392.6	3936.5	73.2	46.1	33.4	28.6	27.0	22.3	15.9	12.7	11.1
70°	5224.7	2695.9	57.3	35.0	25.4	22.3	20.7	17.5	12.7	9.5	8.0
72.5°	2867.6	1359.9	41.4	25.4	19.1	17.5	15.9	14.3	11.1	8.0	8.0
75°	1103.8	373.8	30.2	17.5	12.7	12.7	11.1	11.1	9.5	6.4	6.4
77.5°	287.9	111.3	19.1	11.1	8.0	8.0	8.0	6.4	6.4	4.8	4.8
80°	92.2	36.6	11.1	8.0	6.4	4.8	4.8	3.2	4.8	3.2	3.2
82.5°	30.2	12.7	6.4	6.4	4.8	3.2	3.2	1.6	1.6	0.0	0.0
85°	11.1	6.4	4.8	3.2	3.2	3.2	1.6	0.0	0.0	0.0	0.0
87.5°	6.4	3.2	3.2	3.2	3.2	1.6	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)