

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: P635575

Luminaire Tested: GWS-SA3E-722-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635575
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-722-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12133.9 lumens
Efficiency: N/A
Efficacy: 76.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

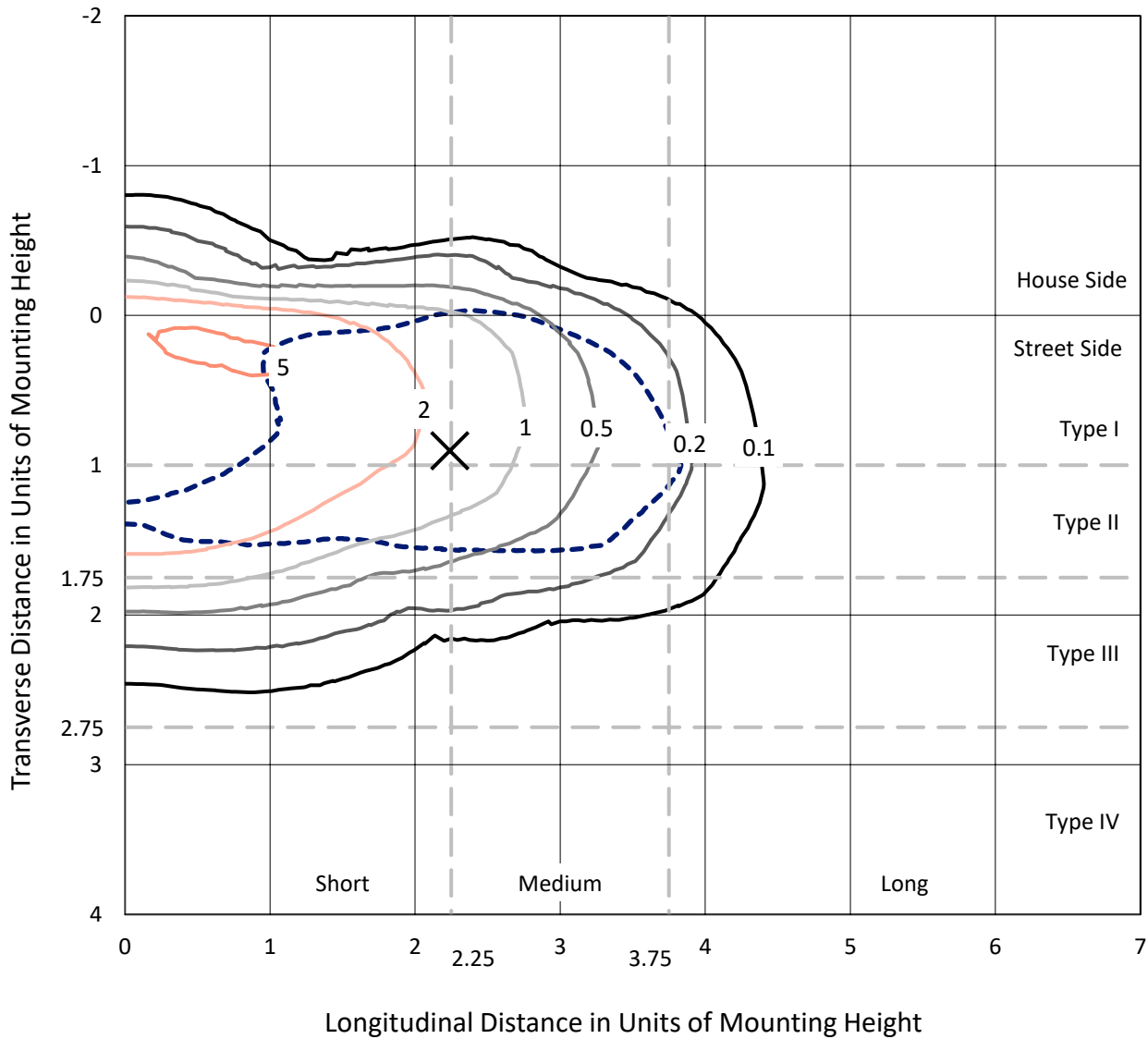
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

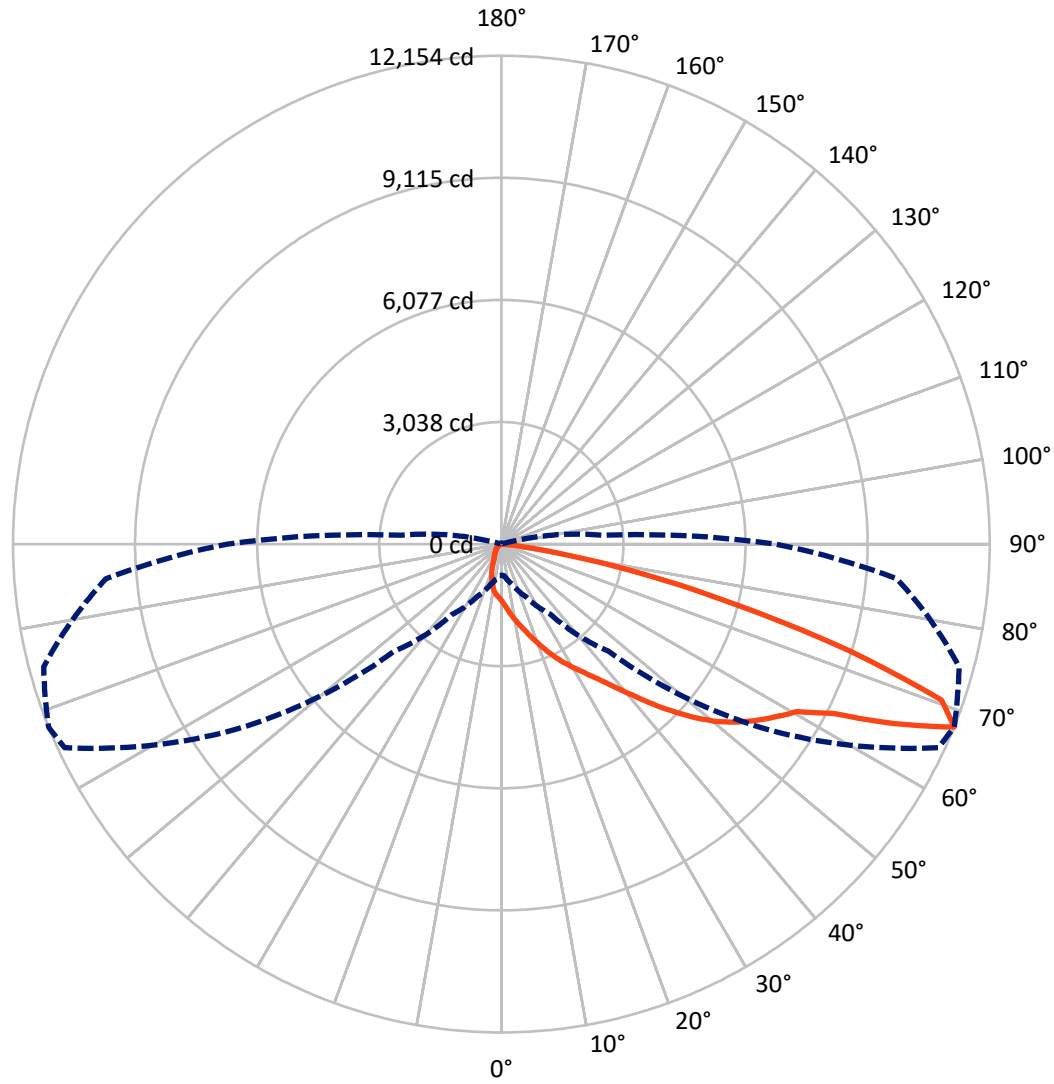
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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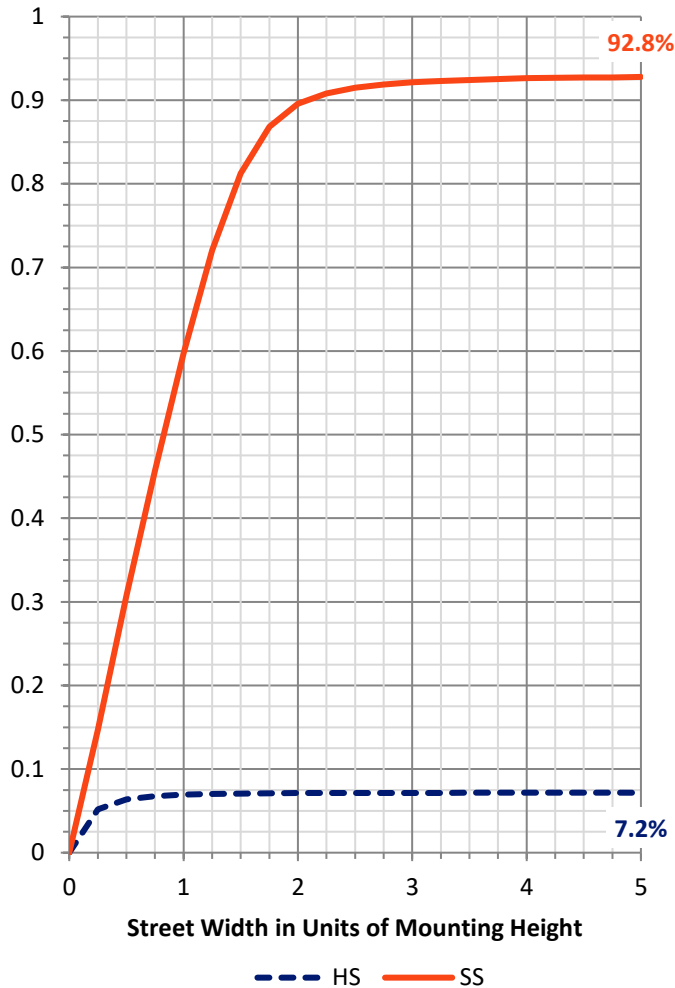
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	876.2	0.0	876.2
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	11257.7	0.0	11257.7
	% Fixture	92.8	0.0	92.8
Total	Lumens	12133.9	0.0	12133.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.7	1.1
10°-20°	395.5	3.3
20°-30°	679.6	5.6
30°-40°	1181.7	9.7
40°-50°	2061.9	17.0
50°-60°	3109.8	25.6
60°-70°	3118.4	25.7
70°-80°	1375.8	11.3
80°-90°	73.5	0.6
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°	12133.9	100.0
0°-180°	12133.9	100.0

Coefficient of Utilization



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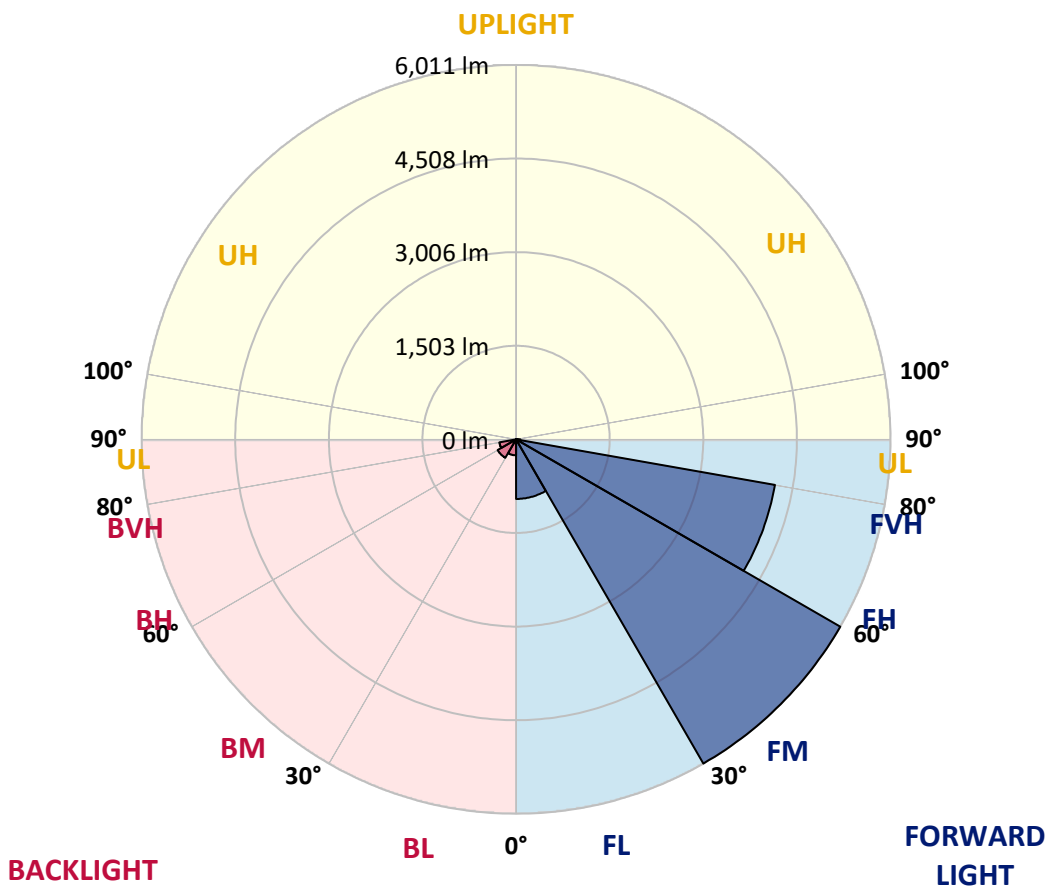
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	956.5	7.9			
FM (30°-60°)	6011.1	49.5			
FH (60°-80°)	4220.7	34.8			G2/5000
FVH (80°-90°)	69.3	0.6			G1/100
BL (0°-30°)	256.3	2.1	B1/500		
BM (30°-60°)	342.3	2.8	B1/1000		
BH (60°-80°)	273.4	2.3	B1/500		G1/500
BVH (80°-90°)	4.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1
2.5°	1644.3	1654.8	1644.3	1646.6	1616.5	1602.5	1572.3	1530.5	1520.1	1493.4	1452.7
5°	1845.2	1854.5	1844.1	1841.7	1806.9	1781.4	1731.4	1659.4	1638.5	1586.3	1506.1
7.5°	1954.4	1960.2	1963.7	1969.5	1956.7	1935.8	1890.5	1801.1	1779.0	1694.3	1581.6
10°	1966.0	1970.6	1988.1	2022.9	2048.4	2061.2	2035.7	1953.2	1918.4	1835.9	1674.5
12.5°	1933.5	1940.4	1968.3	2026.4	2097.2	2162.2	2178.5	2106.5	2075.1	1969.5	1783.7
15°	1890.5	1896.3	1934.6	2013.6	2120.4	2240.0	2307.4	2276.0	2241.2	2130.9	1904.4
17.5°	1824.3	1832.4	1885.9	1992.7	2130.9	2301.6	2446.7	2457.2	2432.8	2313.2	2038.0
20°	1787.2	1793.0	1840.6	1950.9	2123.9	2346.9	2576.8	2675.5	2648.8	2523.4	2191.3
22.5°	1818.5	1823.2	1854.5	1940.4	2100.7	2372.4	2697.6	2893.8	2878.7	2748.7	2352.7
25°	1983.4	1998.5	1979.9	1995.0	2111.1	2386.4	2795.1	3112.1	3115.6	2984.4	2519.9
27.5°	2317.9	2298.1	2254.0	2178.5	2192.4	2423.5	2878.7	3317.7	3347.9	3214.3	2668.5
30°	2658.1	2646.5	2619.8	2502.5	2404.9	2506.0	2949.6	3527.9	3575.5	3440.8	2800.9
32.5°	3040.1	3051.8	3004.1	2863.6	2697.6	2673.2	3022.7	3727.6	3817.0	3697.4	2956.5
35°	3496.5	3500.0	3405.9	3250.3	3062.2	2949.6	3153.9	3948.2	4113.1	4024.9	3164.4
37.5°	3941.3	3962.2	3911.1	3666.1	3498.8	3293.3	3371.1	4231.6	4463.8	4429.0	3425.7
40°	4334.9	4367.5	4351.2	4114.3	3894.8	3721.8	3707.9	4563.7	4887.7	4927.2	3770.6
42.5°	4648.5	4669.4	4682.2	4513.8	4319.8	4222.3	4123.6	4949.2	5388.2	5549.6	4193.3
45°	4979.4	4986.4	5013.1	4899.3	4729.8	4737.9	4614.8	5417.2	5915.4	6239.4	4678.7
47.5°	5401.0	5424.2	5411.4	5291.8	5138.5	5230.3	5122.3	5899.1	6435.6	6975.6	5175.7
50°	5914.2	5938.6	5927.0	5787.7	5617.0	5655.3	5587.9	6367.1	6937.3	7670.0	5589.1
52.5°	6179.0	6198.7	6342.7	6405.4	6316.0	6072.2	5985.1	6881.6	7361.2	8241.4	5968.8
55°	6051.3	6065.2	6378.7	6643.5	6971.0	6727.1	6384.5	7278.7	7735.1	8687.3	6251.0
57.5°	5521.7	5597.2	6023.4	6471.6	7160.3	7373.9	7032.5	7710.7	8095.1	8997.3	6528.5
60°	4436.0	4432.5	5043.3	5848.0	6791.0	7551.6	7947.6	8294.8	8456.2	9235.4	6900.1
62.5°	2451.4	2473.5	3286.3	4346.6	5764.4	7091.7	8633.9	9303.9	9279.5	9651.1	7481.9
65°	1220.5	1264.6	1705.9	2489.7	3835.6	5860.8	8752.3	10843.7	10774.1	10630.1	8683.8
67.5°	774.6	792.0	1035.8	1446.9	2132.1	3767.1	8014.9	11992.2	12153.6	11791.3	9876.4
70°	501.7	530.7	720.0	989.4	1286.7	1941.6	5871.3	11247.8	11618.3	11663.6	9133.2
72.5°	272.9	293.8	459.9	706.0	929.0	970.8	3297.9	8441.1	9036.8	9893.8	7145.2
75°	155.6	170.7	252.0	479.6	681.7	591.1	1462.0	5650.6	6030.4	7070.8	5119.9
77.5°	94.1	106.8	141.7	233.4	427.3	394.8	552.8	3439.6	3681.2	4218.8	2687.1
80°	43.0	51.1	89.4	128.9	233.4	187.0	211.3	1603.7	1655.9	1731.4	889.5
82.5°	19.7	23.2	40.6	76.6	132.4	108.0	81.3	370.4	521.4	493.5	226.4
85°	2.3	2.3	15.1	31.4	37.2	27.9	33.7	83.6	105.7	148.6	65.0
87.5°	0.0	0.0	1.2	1.2	2.3	3.5	7.0	10.5	15.1	24.4	16.3
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°	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1
2.5°	1434.1	1401.6	1372.6	1329.6	1300.6	1268.1	1246.0	1219.3	1208.9	1200.7	1189.1
5°	1466.7	1414.4	1343.6	1264.6	1199.6	1138.0	1081.1	1044.0	1011.4	1006.8	990.5
7.5°	1520.1	1442.3	1322.7	1193.8	1083.4	981.3	901.1	836.1	803.6	793.1	774.6
10°	1590.9	1484.1	1291.3	1093.9	934.8	812.9	722.3	649.1	598.0	579.5	565.5
12.5°	1669.9	1522.4	1241.4	970.8	789.6	650.3	535.3	457.5	425.0	413.4	403.0
15°	1760.5	1558.4	1162.4	847.7	648.0	478.4	397.1	363.5	349.5	346.1	342.6
17.5°	1847.5	1581.6	1068.3	720.0	498.2	371.6	333.3	320.5	317.0	313.5	311.2
20°	1946.3	1597.9	958.0	599.2	386.7	314.7	296.1	286.8	279.9	272.9	271.7
22.5°	2047.3	1597.9	838.4	480.8	324.0	282.2	261.3	243.9	231.1	224.1	221.8
25°	2143.7	1575.8	720.0	384.4	285.7	250.8	224.1	204.4	187.0	178.8	176.5
27.5°	2212.2	1518.9	616.6	325.1	259.0	223.0	190.4	168.4	154.4	146.3	145.2
30°	2255.1	1434.1	521.4	290.3	235.7	193.9	161.4	142.8	132.4	126.6	124.3
32.5°	2287.7	1329.6	436.6	265.9	213.7	168.4	140.5	125.4	116.1	111.5	110.3
35°	2352.7	1230.9	373.9	243.9	190.4	147.5	123.1	111.5	104.5	98.7	97.5
37.5°	2443.3	1148.5	324.0	224.1	168.4	131.2	111.5	101.0	95.2	89.4	88.3
40°	2576.8	1096.2	286.8	204.4	148.6	118.4	102.2	92.9	84.8	79.0	77.8
42.5°	2782.3	1071.8	262.4	184.6	131.2	106.8	94.1	82.4	74.3	68.5	67.4
45°	3027.4	1084.6	241.5	164.9	119.6	98.7	83.6	72.0	63.9	58.1	56.9
47.5°	3289.8	1129.9	224.1	146.3	108.0	90.6	74.3	61.5	54.6	48.8	47.6
50°	3563.9	1204.2	209.0	128.9	98.7	81.3	63.9	53.4	46.4	41.8	40.6
52.5°	3801.9	1305.2	193.9	116.1	90.6	72.0	55.7	46.4	39.5	34.8	33.7
55°	4029.5	1400.5	182.3	104.5	81.3	62.7	48.8	39.5	33.7	29.0	27.9
57.5°	4276.9	1501.5	168.4	94.1	73.2	55.7	43.0	33.7	29.0	24.4	23.2
60°	4636.9	1651.3	147.5	85.9	63.9	48.8	37.2	30.2	25.5	19.7	18.6
62.5°	5155.9	1924.2	124.3	74.3	54.6	41.8	31.4	25.5	20.9	16.3	13.9
65°	6126.7	2388.7	102.2	61.5	44.1	34.8	26.7	20.9	16.3	11.6	10.5
67.5°	6825.8	2509.5	82.4	49.9	36.0	26.7	22.1	16.3	11.6	8.1	7.0
70°	5967.7	1802.3	63.9	40.6	30.2	20.9	17.4	12.8	8.1	5.8	4.6
72.5°	4496.4	1177.5	47.6	31.4	23.2	17.4	12.8	10.5	7.0	4.6	3.5
75°	3169.0	680.5	34.8	23.2	16.3	12.8	10.5	8.1	5.8	3.5	3.5
77.5°	1624.6	281.0	24.4	16.3	11.6	8.1	7.0	4.6	4.6	3.5	2.3
80°	493.5	92.9	13.9	10.5	8.1	5.8	3.5	3.5	3.5	2.3	1.2
82.5°	112.6	30.2	8.1	8.1	5.8	4.6	3.5	1.2	1.2	0.0	0.0
85°	29.0	9.3	7.0	5.8	5.8	4.6	2.3	1.2	0.0	0.0	0.0
87.5°	10.5	5.8	5.8	5.8	4.6	3.5	2.3	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)