

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: P632442

Luminaire Tested: GWS-SA2C-760-U-T2R-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632442  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2C-760-U-T2R-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

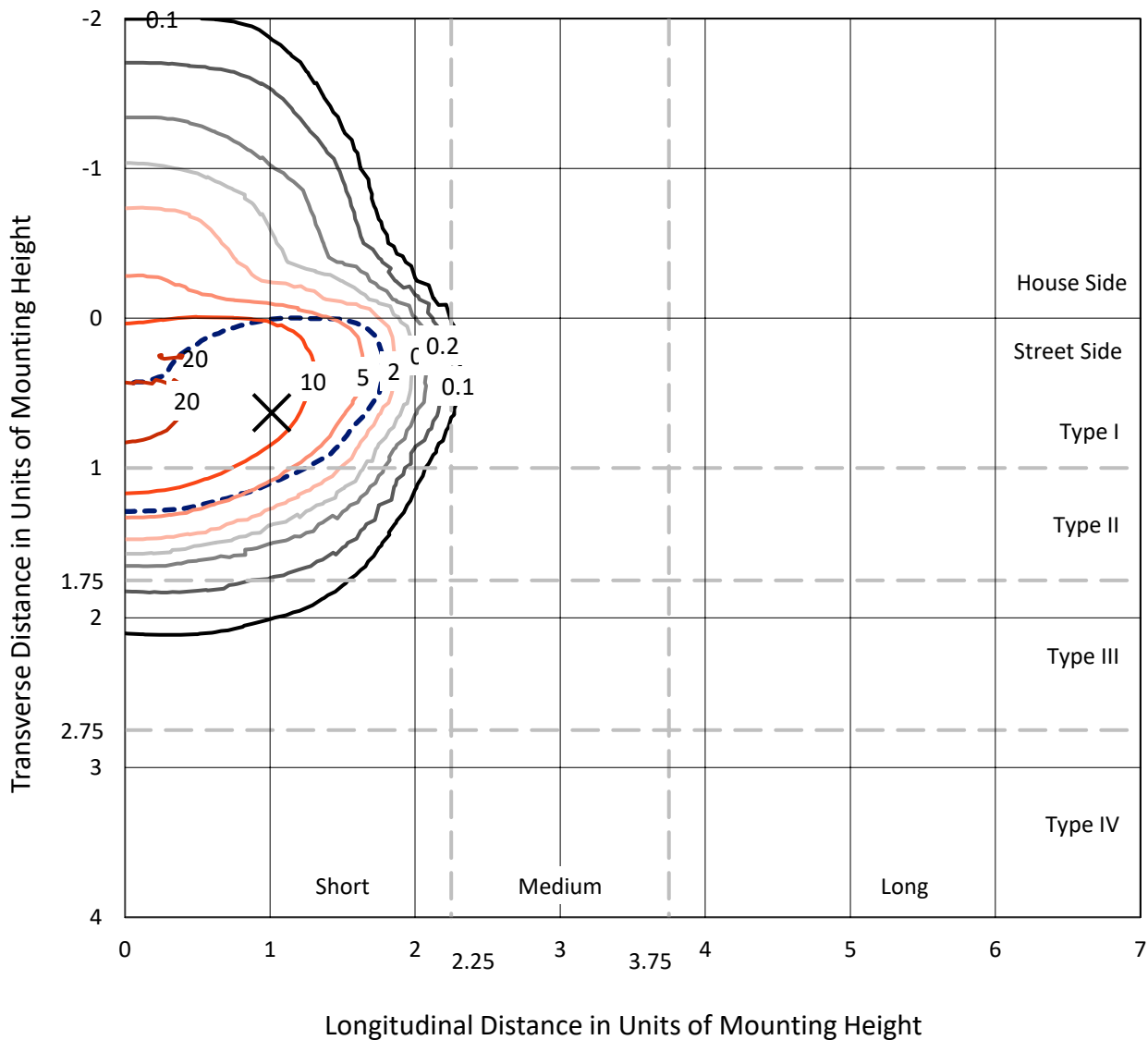
Lumens per Lamp: N/A  
Luminaire Lumens: 6259.4 lumens  
Efficiency: N/A  
Efficacy: 99.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

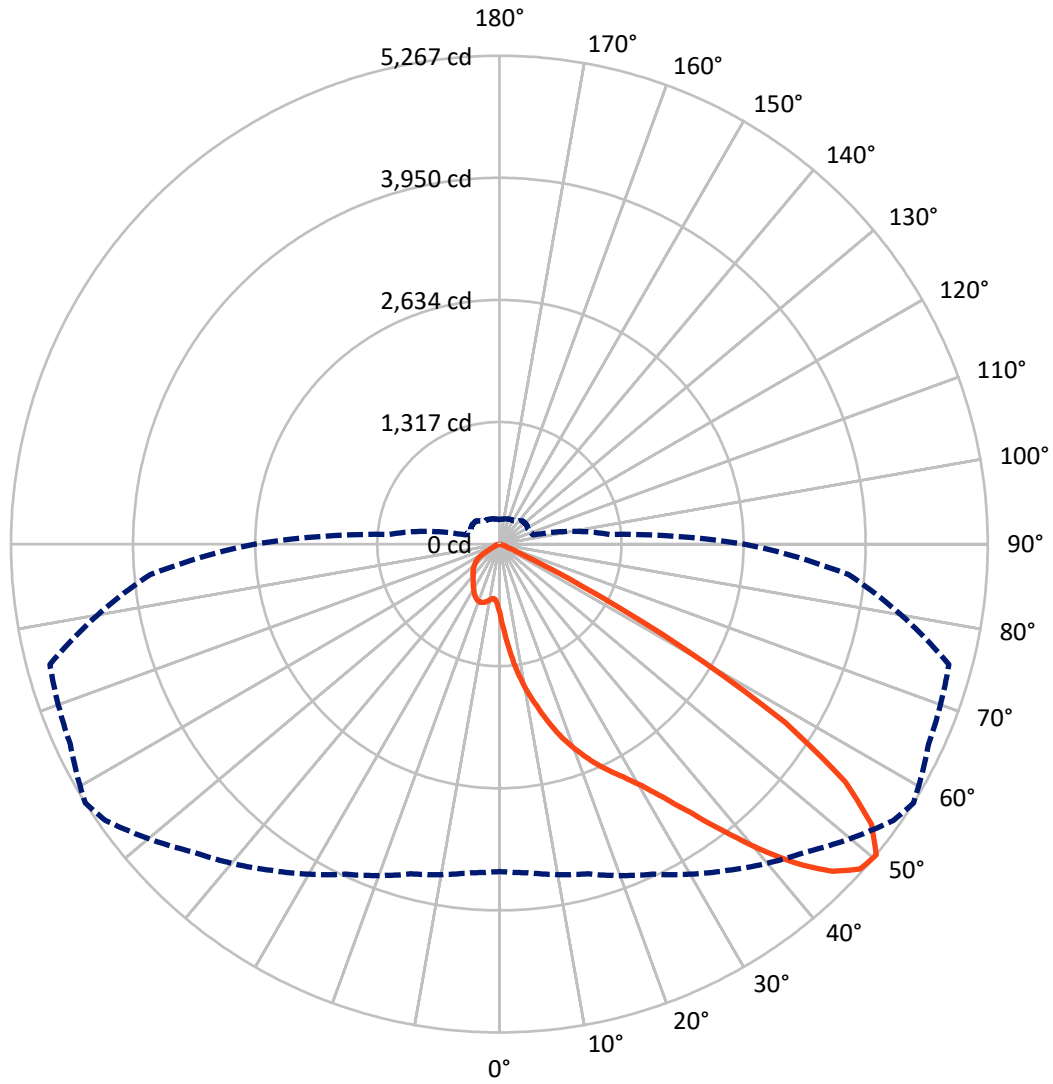
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

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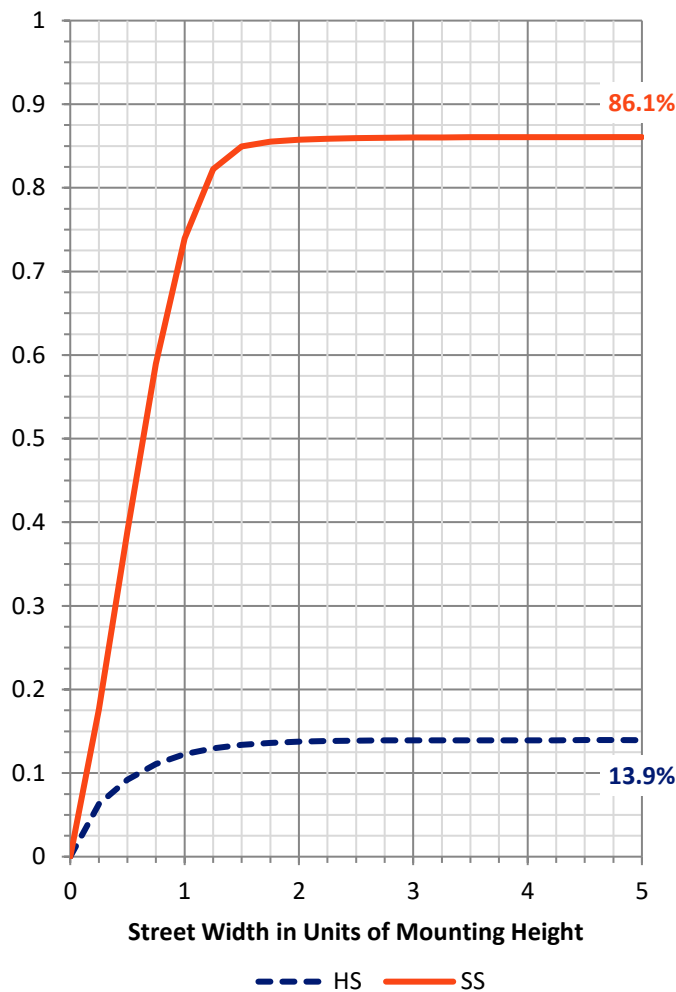
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	876.7	0.0	876.7
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	5382.7	0.0	5382.7
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	6259.4	0.0	6259.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.6	1.5
10°-20°	366.7	5.9
20°-30°	742.0	11.9
30°-40°	1312.7	21.0
40°-50°	1913.6	30.6
50°-60°	1533.8	24.5
60°-70°	276.3	4.4
70°-80°	21.8	0.3
80°-90°	0.0	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°	6259.4	100.0
0°-180°	6259.4	100.0

**Coefficient of Utilization**



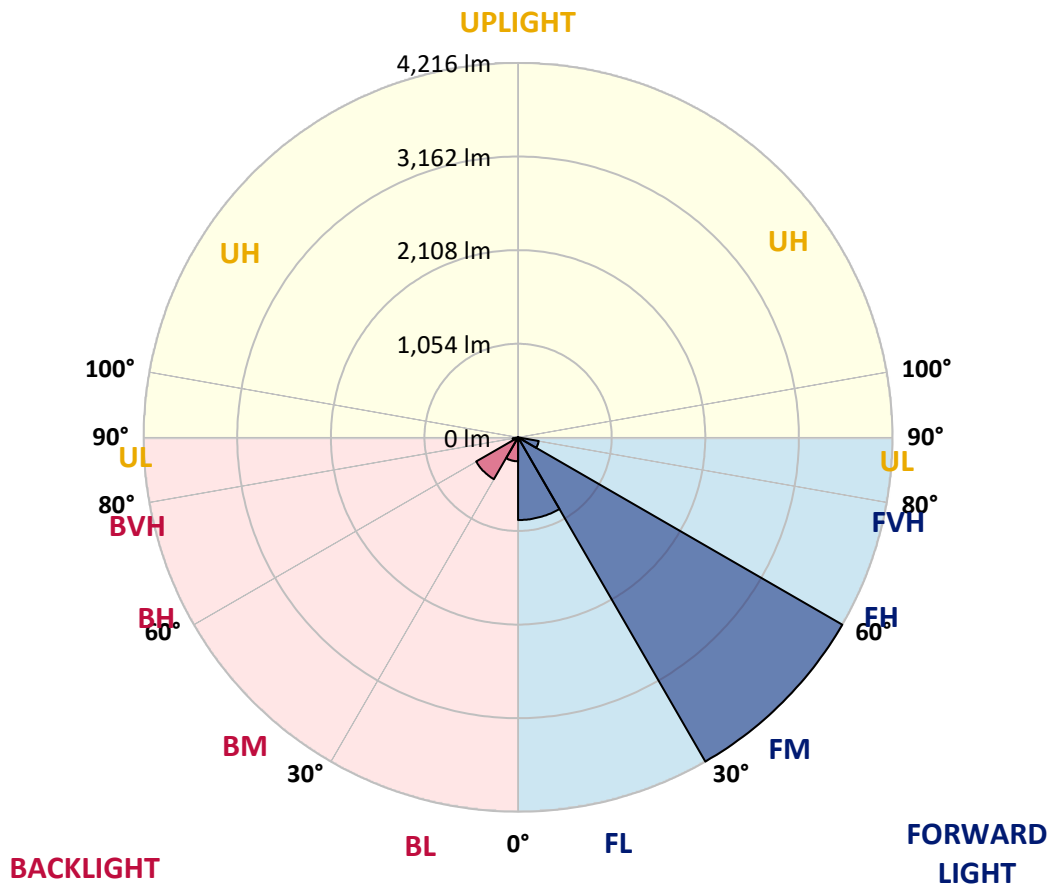
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	931.4	14.9			
FM (30°-60°)	4215.5	67.3			
FH (60°-80°)	235.8	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	269.9	4.3	B1/500		
BM (30°-60°)	544.5	8.7	B1/1000		
BH (60°-80°)	62.3	1.0	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	747.7	747.7	747.7	747.7	747.7	747.7	747.7	747.7	747.7	747.7	747.7
2.5°	1106.5	1089.0	1079.0	1071.0	1035.5	979.3	942.5	923.0	890.9	836.7	789.8
5°	1443.8	1431.1	1407.7	1391.6	1346.1	1266.4	1184.1	1151.3	1078.3	955.8	846.1
7.5°	1667.4	1658.0	1649.3	1627.9	1585.0	1512.8	1421.7	1387.6	1275.1	1101.1	921.0
10°	1839.4	1832.0	1822.0	1821.3	1787.9	1722.9	1633.9	1598.4	1476.6	1259.1	1009.4
12.5°	1990.7	1984.7	1982.6	2001.4	1980.0	1931.8	1835.4	1791.2	1662.0	1420.4	1107.1
15°	2094.4	2093.1	2101.8	2138.6	2150.7	2128.6	2047.6	2000.0	1851.4	1582.4	1214.9
17.5°	2142.0	2146.0	2162.7	2226.3	2279.8	2298.6	2236.3	2196.2	2039.5	1746.4	1330.0
20°	2222.9	2221.6	2231.6	2291.9	2357.5	2424.4	2405.7	2371.5	2229.6	1919.7	1457.9
22.5°	2451.2	2431.8	2410.4	2419.7	2443.2	2521.5	2556.3	2538.9	2425.8	2097.8	1589.7
25°	2801.9	2781.9	2712.9	2646.0	2601.8	2637.3	2684.8	2693.5	2620.5	2280.5	1727.6
27.5°	3174.1	3156.0	3078.4	2978.0	2851.5	2789.9	2825.4	2842.8	2812.0	2498.0	1874.2
30°	3522.8	3498.7	3413.7	3289.2	3142.6	3048.3	3008.1	3020.2	3038.2	2755.8	2046.2
32.5°	3825.4	3807.3	3705.6	3574.4	3433.1	3334.7	3241.0	3261.1	3305.3	3071.0	2266.5
35°	4081.8	4072.4	3964.6	3834.1	3684.8	3634.6	3554.3	3558.3	3602.5	3451.9	2534.9
37.5°	4304.7	4288.6	4190.9	4069.7	3951.2	3943.2	3921.1	3923.1	3945.9	3895.7	2843.4
40°	4445.2	4430.5	4360.9	4285.9	4201.6	4202.9	4317.4	4326.1	4300.0	4331.4	3169.4
42.5°	4498.1	4487.4	4449.9	4450.6	4441.9	4481.4	4696.2	4712.3	4618.6	4673.5	3447.9
45°	4406.4	4401.7	4404.4	4500.8	4605.2	4727.0	5006.1	5034.3	4901.7	4900.4	3665.4
47.5°	4110.5	4101.2	4179.5	4343.5	4585.1	4822.1	5193.6	5237.1	5099.9	5030.2	3802.0
50°	3530.9	3557.6	3681.5	3927.8	4295.3	4691.5	5191.6	5267.2	5107.2	5018.9	3779.2
52.5°	2557.6	2552.3	2823.4	3162.1	3609.2	4273.9	4915.8	5026.2	4928.5	4907.1	3728.3
55°	1391.6	1440.5	1623.2	2071.7	2629.9	3483.3	4285.9	4526.9	4640.0	4866.2	3820.0
57.5°	511.4	532.8	647.3	964.5	1392.3	2166.0	3273.8	3637.3	3986.7	4752.5	3804.6
60°	206.2	210.2	255.7	354.8	585.0	1102.4	1963.9	2286.5	2615.9	3638.0	2919.7
62.5°	149.9	155.3	173.4	207.5	295.9	481.9	846.7	984.6	1076.3	1801.9	1438.5
65°	121.2	125.2	139.9	155.3	195.5	259.0	273.1	263.1	261.7	465.9	330.0
67.5°	100.4	104.4	115.1	125.8	140.6	129.2	93.7	98.4	80.3	79.7	64.9
70°	73.6	78.3	89.0	100.4	84.3	34.8	54.2	80.3	60.9	50.9	49.5
72.5°	55.6	58.9	68.9	65.6	24.8	13.4	36.1	58.2	46.9	37.5	36.8
75°	41.5	43.5	34.8	10.7	2.7	3.3	13.4	24.1	26.1	21.4	21.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.0	2.7	3.3	4.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	747.7	747.7	747.7	747.7	747.7	747.7	747.7	747.7	747.7	747.7	747.7
2.5°	763.1	735.0	694.8	661.3	635.9	611.1	592.4	573.6	573.0	563.6	561.6
5°	795.2	744.3	670.7	617.8	585.7	566.3	552.9	546.2	542.9	539.5	538.2
7.5°	841.4	768.4	666.7	610.5	583.7	571.0	561.6	557.6	555.6	552.9	552.2
10°	898.3	803.2	681.4	624.5	601.1	589.0	579.0	573.0	569.6	564.9	563.6
12.5°	966.6	846.1	704.8	647.9	623.2	607.1	593.7	585.0	580.3	574.3	573.0
15°	1040.2	892.3	730.9	669.4	639.9	619.2	602.4	589.0	580.3	573.0	571.0
17.5°	1116.5	939.1	754.4	684.1	647.9	623.2	599.1	581.0	570.3	560.9	558.2
20°	1202.2	987.3	769.8	686.8	645.3	612.5	584.4	561.6	550.9	538.2	535.5
22.5°	1291.9	1032.2	776.5	680.7	630.5	592.4	562.3	538.8	523.4	510.1	506.0
25°	1378.9	1072.3	773.1	664.0	608.4	564.3	533.5	509.4	492.6	479.3	475.9
27.5°	1471.3	1105.8	761.1	639.2	578.3	533.5	504.0	483.3	467.9	453.2	449.8
30°	1575.0	1136.6	741.7	609.1	542.9	502.0	479.3	465.2	448.5	433.1	428.4
32.5°	1700.2	1164.0	713.5	573.0	511.4	474.6	461.9	451.1	431.7	415.7	412.3
35°	1843.4	1186.8	678.1	535.5	480.6	457.2	454.5	440.4	415.0	396.3	392.2
37.5°	2009.4	1208.9	635.9	498.7	457.8	449.1	449.8	425.7	394.9	372.2	369.5
40°	2188.1	1231.0	589.0	466.5	437.1	444.5	438.4	404.3	354.1	332.0	329.3
42.5°	2374.2	1255.0	541.5	436.4	419.7	426.4	417.7	361.5	325.3	313.9	312.6
45°	2542.2	1283.8	490.0	406.3	402.3	400.3	385.6	327.3	311.9	303.9	303.2
47.5°	2663.4	1279.1	435.1	377.5	383.5	376.8	332.0	311.3	298.5	287.8	285.1
50°	2641.3	1197.5	378.2	345.4	359.4	353.4	298.5	292.5	281.1	269.8	265.7
52.5°	2585.1	1086.4	328.7	311.3	333.3	319.3	275.8	269.8	259.7	245.0	240.3
55°	2615.2	982.0	289.8	283.8	306.6	264.4	250.3	241.0	230.3	214.2	212.2
57.5°	2518.1	801.2	232.9	237.0	271.1	225.6	219.5	204.8	186.8	176.0	174.7
60°	1743.0	430.4	145.9	150.6	196.1	189.4	196.8	183.4	161.3	151.3	149.3
62.5°	800.6	172.7	79.7	76.3	103.1	128.5	168.7	167.3	139.9	123.8	122.5
65°	194.1	79.0	56.9	53.5	58.2	77.0	109.8	131.9	113.1	94.4	92.4
67.5°	62.9	64.3	52.2	48.9	51.5	57.6	65.6	73.0	72.3	66.3	64.9
70°	50.2	58.2	48.2	44.2	44.2	46.2	44.2	35.5	30.8	33.5	34.8
72.5°	37.5	44.2	38.2	34.1	32.8	32.1	27.4	20.1	14.1	12.7	12.0
75°	22.1	24.8	23.4	20.1	18.7	16.7	13.4	8.7	4.7	3.3	2.0
77.5°	4.0	4.7	5.4	4.0	3.3	2.7	2.0	0.7	0.0	0.0	0.0
80°	0.0	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)