

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: P636384

Luminaire Tested: GWS-SA3F-760-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636384  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3F-760-U-SL3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

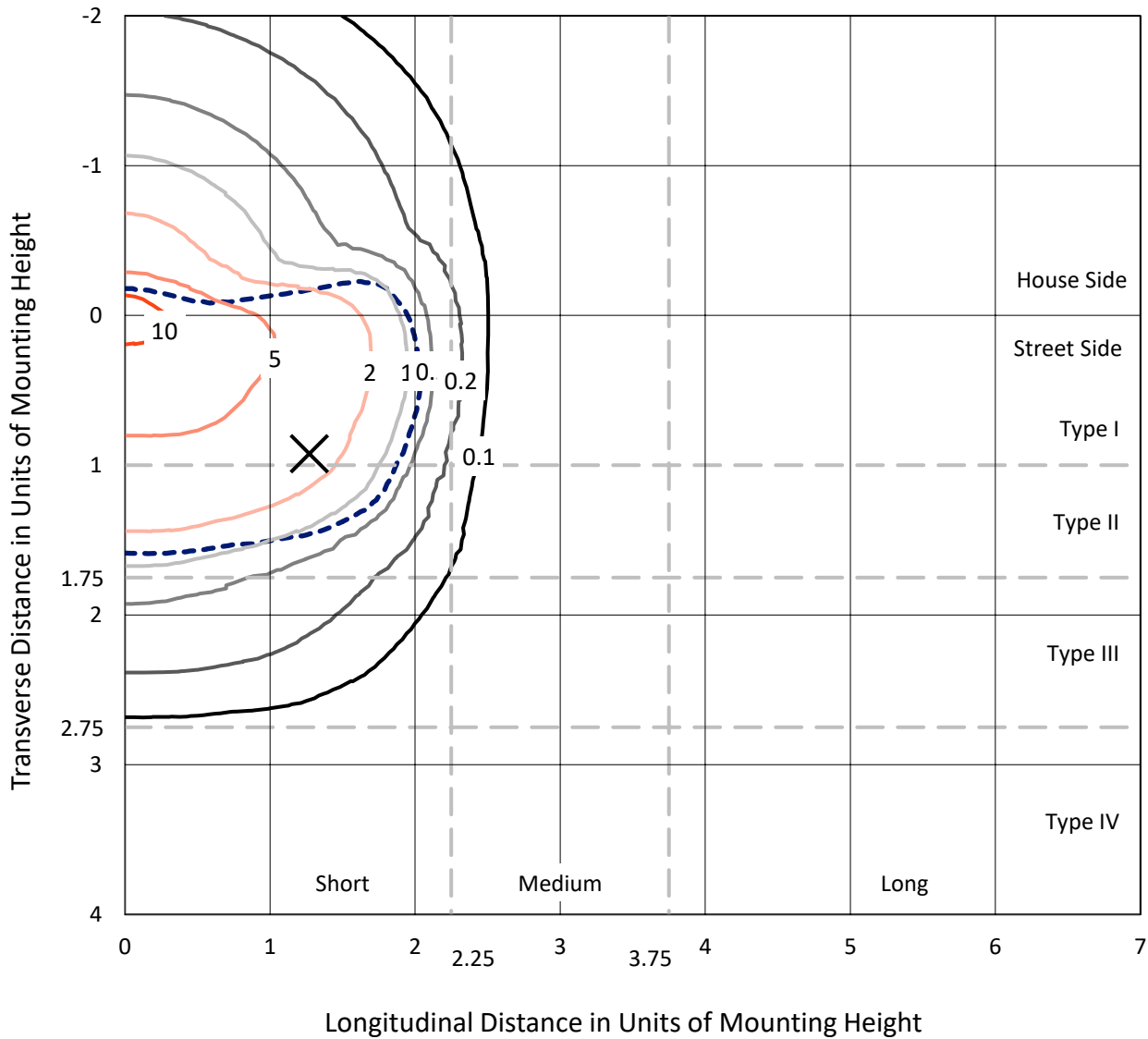
Lumens per Lamp: N/A  
Luminaire Lumens: 20658.3 lumens  
Efficiency: N/A  
Efficacy: 112.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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

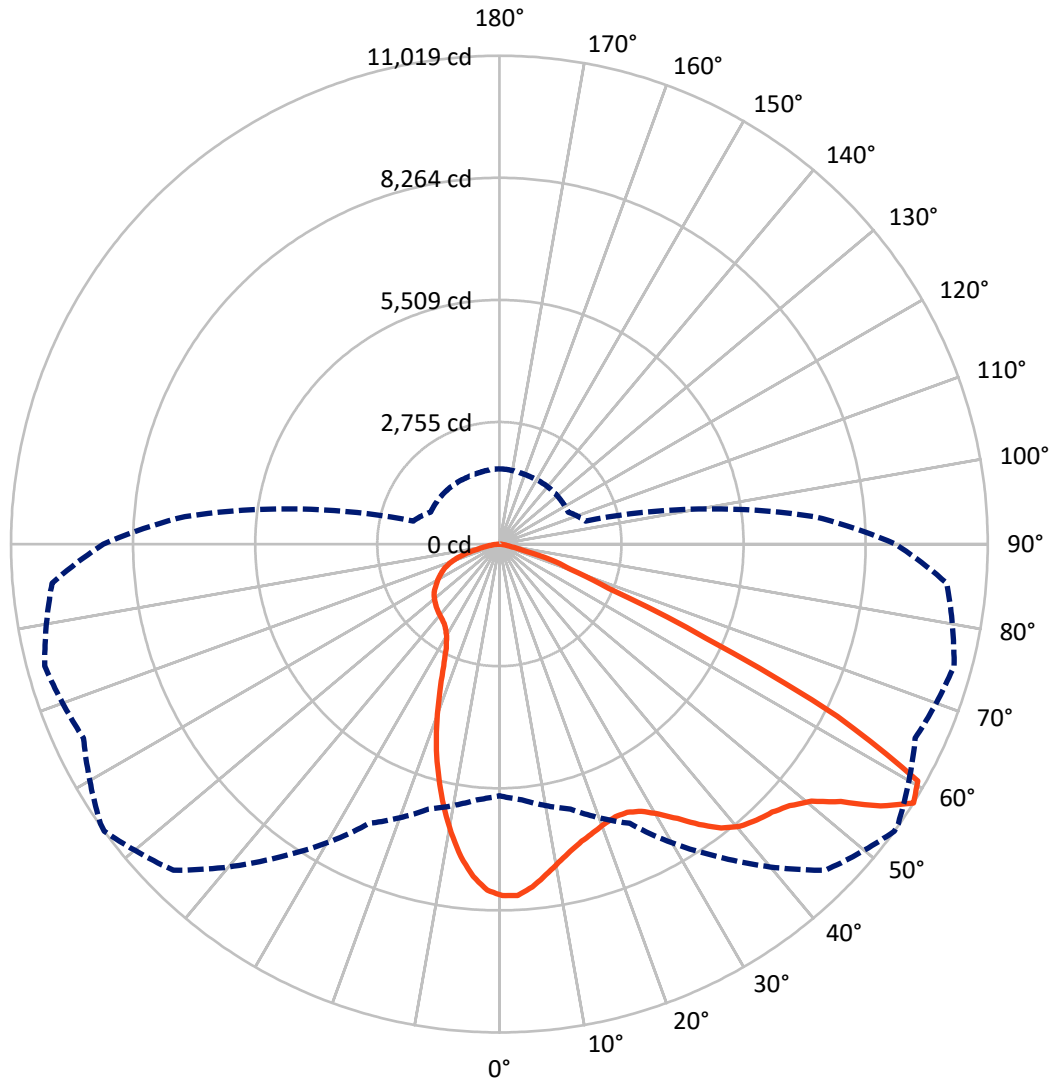
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6005.6	0.0	6005.6
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	14652.7	0.0	14652.7
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	20658.3	0.0	20658.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	697.1	3.4
10°-20°	1663.5	8.1
20°-30°	2302.0	11.1
30°-40°	3198.6	15.5
40°-50°	4224.4	20.4
50°-60°	5020.1	24.3
60°-70°	2781.2	13.5
70°-80°	692.6	3.4
80°-90°	78.8	0.4
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°	20658.3	100.0
0°-180°	20658.3	100.0

**Coefficient of Utilization**



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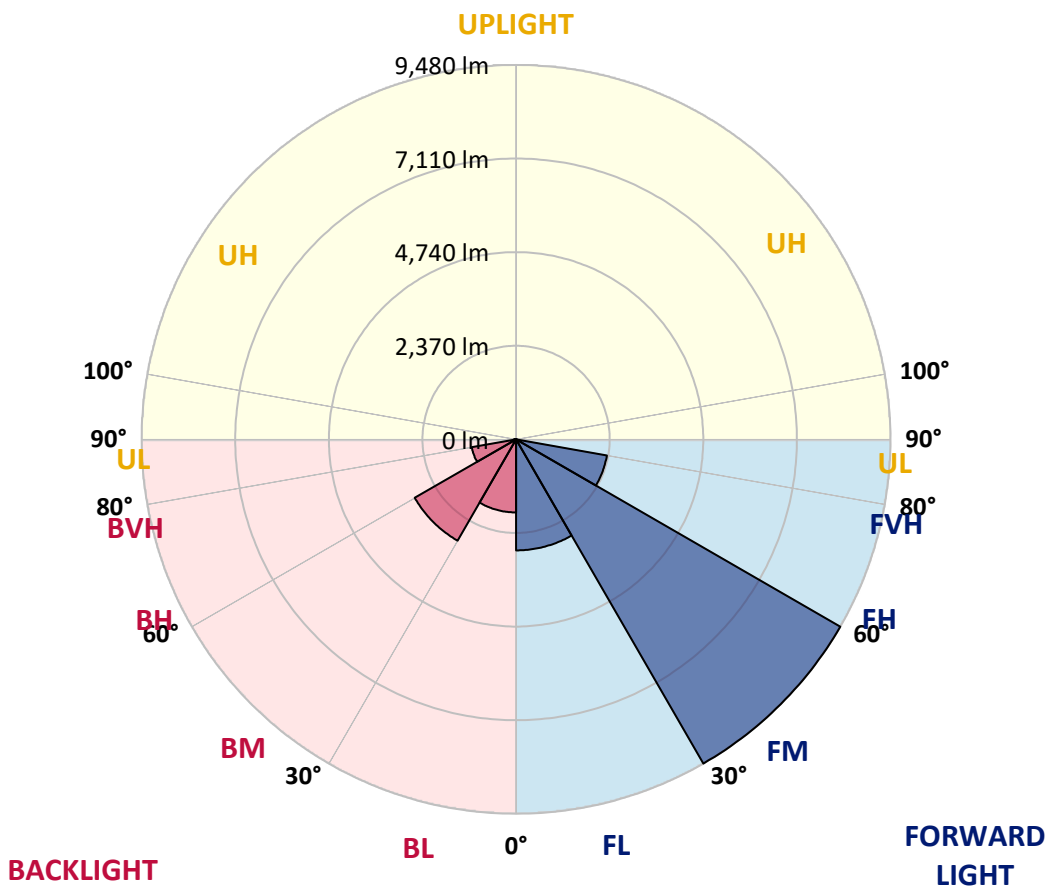
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2811.9	13.6			
FM (30°-60°)	9480.4	45.9			
FH (60°-80°)	2335.7	11.3			G2/5000
FVH (80°-90°)	24.6	0.1			G1/100
BL (0°-30°)	1850.7	9.0	B3/2500		
BM (30°-60°)	2962.7	14.3	B3/5000		
BH (60°-80°)	1138.1	5.5	B3/2500		G3/2500
BVH (80°-90°)	54.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	7931.2	7931.2	7931.2	7931.2	7931.2	7931.2	7931.2	7931.2	7931.2	7931.2	7931.2
2.5°	7782.6	7798.6	7809.2	7846.3	7878.1	7906.4	7936.5	7936.5	7934.7	7929.4	7918.8
5°	7474.9	7492.6	7517.4	7568.7	7637.6	7687.2	7768.5	7775.6	7810.9	7825.1	7818.0
7.5°	7117.7	7123.0	7154.9	7222.1	7331.7	7420.1	7536.8	7551.0	7635.9	7685.4	7676.5
10°	6726.9	6709.2	6765.8	6864.9	7008.1	7156.6	7307.0	7319.3	7455.5	7549.2	7542.1
12.5°	6369.7	6371.5	6428.1	6548.3	6726.9	6910.8	7112.4	7140.7	7308.7	7429.0	7416.6
15°	6070.9	6077.9	6146.9	6283.1	6486.4	6705.7	6956.8	6983.3	7195.5	7354.7	7319.3
17.5°	5832.1	5839.2	5899.3	6054.9	6272.4	6537.7	6843.6	6870.2	7133.7	7322.9	7250.4
20°	5667.7	5664.1	5722.5	5871.0	6095.6	6383.9	6744.6	6783.5	7114.2	7335.2	7204.4
22.5°	5600.5	5598.7	5641.1	5763.2	5973.6	6265.4	6684.5	6737.5	7135.4	7390.1	7176.1
25°	5634.1	5627.0	5664.1	5754.3	5922.3	6219.4	6702.2	6758.8	7225.6	7503.2	7181.4
27.5°	5738.4	5729.6	5761.4	5842.7	5970.1	6267.1	6826.0	6891.4	7416.6	7710.1	7252.1
30°	5897.6	5892.2	5924.1	6001.9	6113.3	6426.3	7062.9	7137.2	7711.9	8032.0	7406.0
32.5°	6083.2	6074.4	6131.0	6221.2	6350.3	6716.3	7381.2	7478.5	8062.1	8445.8	7664.2
35°	6291.9	6284.8	6362.6	6493.5	6679.2	7119.5	7766.7	7872.8	8419.3	8914.4	8007.2
37.5°	6495.3	6495.3	6645.6	6840.1	7073.5	7558.1	8129.2	8196.4	8666.8	9330.0	8375.1
40°	6675.6	6686.3	6912.6	7204.4	7501.5	7954.2	8368.0	8424.6	8776.5	9616.5	8695.1
42.5°	6875.5	6884.3	7147.8	7529.8	7883.4	8274.3	8513.0	8541.3	8797.7	9759.7	8921.5
45°	7034.6	7047.0	7374.2	7782.6	8215.9	8514.8	8627.9	8652.7	8827.8	9837.5	9085.9
47.5°	7117.7	7135.4	7510.3	7986.0	8440.5	8730.5	8817.1	8827.8	8951.5	9973.7	9284.0
50°	7103.6	7139.0	7561.6	8086.8	8606.7	8948.0	9121.3	9139.0	9204.4	10173.5	9515.7
52.5°	7229.1	7245.1	7671.2	8207.1	8843.7	9349.4	9650.1	9674.8	9644.8	10323.8	9653.6
55°	7020.5	7096.5	7535.1	8189.4	9204.4	9970.1	10433.5	10421.1	10044.4	10491.8	9883.5
57.5°	5678.3	5789.7	6191.1	6951.5	8610.2	10405.2	11018.8	10988.7	10353.9	10620.9	10132.8
60°	3931.1	3948.8	4311.3	4850.7	6645.6	9192.0	10847.3	10912.7	10410.5	10458.2	9671.3
62.5°	3144.2	3138.9	3172.5	3186.6	4226.4	6461.7	8562.5	8801.2	8649.2	8148.7	6854.2
65°	2684.4	2703.9	2802.9	2751.6	2758.7	3639.3	5115.9	5149.5	5043.4	4863.0	3625.2
67.5°	2100.8	2134.4	2309.5	2509.3	2445.7	2343.1	2654.3	2638.4	2079.6	1609.2	1329.8
70°	1315.7	1336.9	1524.3	1970.0	2129.1	1924.0	1706.5	1699.4	1114.1	916.0	1004.4
72.5°	767.5	771.0	824.1	1098.2	1412.9	1315.7	1255.6	1209.6	716.2	730.3	801.1
75°	422.6	422.6	420.9	473.9	557.0	493.4	477.5	465.1	479.2	542.9	595.9
77.5°	88.4	90.2	95.5	125.6	162.7	198.1	249.3	251.1	313.0	362.5	405.0
80°	40.7	42.4	53.1	67.2	86.7	114.9	152.1	153.8	189.2	228.1	256.4
82.5°	21.2	23.0	28.3	35.4	46.0	60.1	84.9	84.9	113.2	134.4	152.1
85°	7.1	7.1	10.6	14.1	19.5	24.8	33.6	33.6	49.5	65.4	76.0
87.5°	0.0	0.0	0.0	0.0	1.8	3.5	7.1	7.1	8.8	10.6	17.7
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°	7931.2	7931.2	7931.2	7931.2	7931.2	7931.2	7931.2	7931.2	7931.2	7931.2	7931.2
2.5°	7895.8	7841.0	7842.8	7853.4	7819.8	7768.5	7734.9	7692.5	7665.9	7660.6	7680.1
5°	7782.6	7719.0	7674.8	7628.8	7533.3	7420.1	7331.7	7259.2	7211.5	7193.8	7172.6
7.5°	7627.0	7543.9	7432.5	7303.4	7130.1	6928.5	6787.0	6654.4	6562.5	6535.9	6523.6
10°	7471.4	7351.2	7153.1	6912.6	6624.4	6352.0	6095.6	5899.3	5743.7	5655.3	5683.6
12.5°	7310.5	7161.9	6852.5	6482.9	6081.5	5671.2	5335.2	5009.8	4758.7	4633.2	4596.0
15°	7169.0	6967.4	6535.9	6035.5	5501.4	4985.1	4498.8	4010.7	3692.4	3519.1	3471.3
17.5°	7048.8	6787.0	6201.7	5579.2	4940.9	4205.2	3607.5	3154.8	2937.3	2841.8	2834.7
20°	6930.3	6610.2	5871.0	5087.6	4293.6	3469.6	2935.5	2723.3	2645.5	2611.9	2610.1
22.5°	6824.2	6424.5	5522.7	4596.0	3649.9	2916.1	2622.5	2530.6	2509.3	2509.3	2505.8
25°	6734.0	6238.8	5165.4	4074.4	3068.1	2596.0	2459.8	2420.9	2429.8	2445.7	2447.4
27.5°	6696.9	6093.8	4820.6	3538.5	2666.7	2410.3	2348.4	2343.1	2367.9	2392.6	2396.2
30°	6735.8	5994.8	4466.9	3025.7	2426.2	2297.1	2268.8	2279.4	2309.5	2334.3	2334.3
32.5°	6856.0	5945.3	4106.2	2650.8	2286.5	2217.6	2208.7	2219.3	2242.3	2256.5	2258.2
35°	7059.4	5964.8	3733.1	2397.9	2196.3	2159.2	2157.4	2164.5	2173.3	2182.2	2184.0
37.5°	7315.8	6051.4	3333.4	2251.1	2138.0	2116.8	2113.2	2111.4	2113.2	2113.2	2115.0
40°	7566.9	6182.3	2976.2	2164.5	2097.3	2079.6	2070.8	2058.4	2056.6	2053.1	2051.3
42.5°	7752.6	6283.1	2691.5	2102.6	2060.2	2038.9	2028.3	2008.9	2007.1	2005.3	2003.6
45°	7892.3	6367.9	2454.5	2042.5	2021.3	2001.8	1978.8	1961.1	1964.7	1968.2	1968.2
47.5°	8049.7	6442.2	2281.2	1985.9	1973.5	1954.1	1925.8	1913.4	1925.8	1938.1	1938.1
50°	8240.7	6546.5	2139.7	1929.3	1924.0	1901.0	1876.3	1870.9	1885.1	1902.8	1902.8
52.5°	8380.4	6636.7	2038.9	1872.7	1872.7	1842.7	1821.4	1819.7	1835.6	1853.3	1855.0
55°	8642.1	6847.2	2003.6	1807.3	1800.2	1777.2	1761.3	1748.9	1768.4	1784.3	1784.3
57.5°	8937.4	7126.6	2012.4	1713.6	1704.7	1697.6	1685.3	1671.1	1676.4	1694.1	1695.9
60°	8311.4	6585.5	1915.2	1619.8	1614.5	1611.0	1595.1	1570.3	1577.4	1591.5	1593.3
62.5°	5805.6	4376.7	1549.1	1503.1	1520.8	1519.0	1497.8	1469.5	1471.3	1490.7	1490.7
65°	3013.3	2367.9	1359.9	1397.0	1423.5	1412.9	1377.6	1352.8	1349.3	1374.0	1368.7
67.5°	1299.8	1292.7	1237.9	1285.6	1313.9	1290.9	1253.8	1213.1	1216.6	1225.5	1218.4
70°	1046.9	1078.7	1101.7	1153.0	1176.0	1133.5	1092.9	1069.9	1050.4	1048.7	1036.3
72.5°	836.4	880.7	931.9	985.0	992.1	949.6	898.3	877.1	847.1	845.3	832.9
75°	629.5	666.7	707.4	749.8	749.8	709.1	675.5	664.9	629.5	618.9	608.3
77.5°	429.7	452.7	484.5	495.1	505.8	489.8	456.2	438.6	397.9	387.3	373.1
80°	270.6	286.5	305.9	313.0	323.6	304.2	277.6	258.2	229.9	221.0	214.0
82.5°	162.7	173.3	185.7	189.2	198.1	183.9	159.2	145.0	129.1	122.0	116.7
85°	83.1	88.4	95.5	97.3	95.5	81.3	72.5	65.4	54.8	53.1	49.5
87.5°	21.2	24.8	26.5	24.8	23.0	17.7	12.4	8.8	3.5	3.5	1.8
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)