

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: P642821

Luminaire Tested: GWS-SA6D-760-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642821
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-760-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35411 lumens
Efficiency: N/A
Efficacy: 144.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 245.7
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

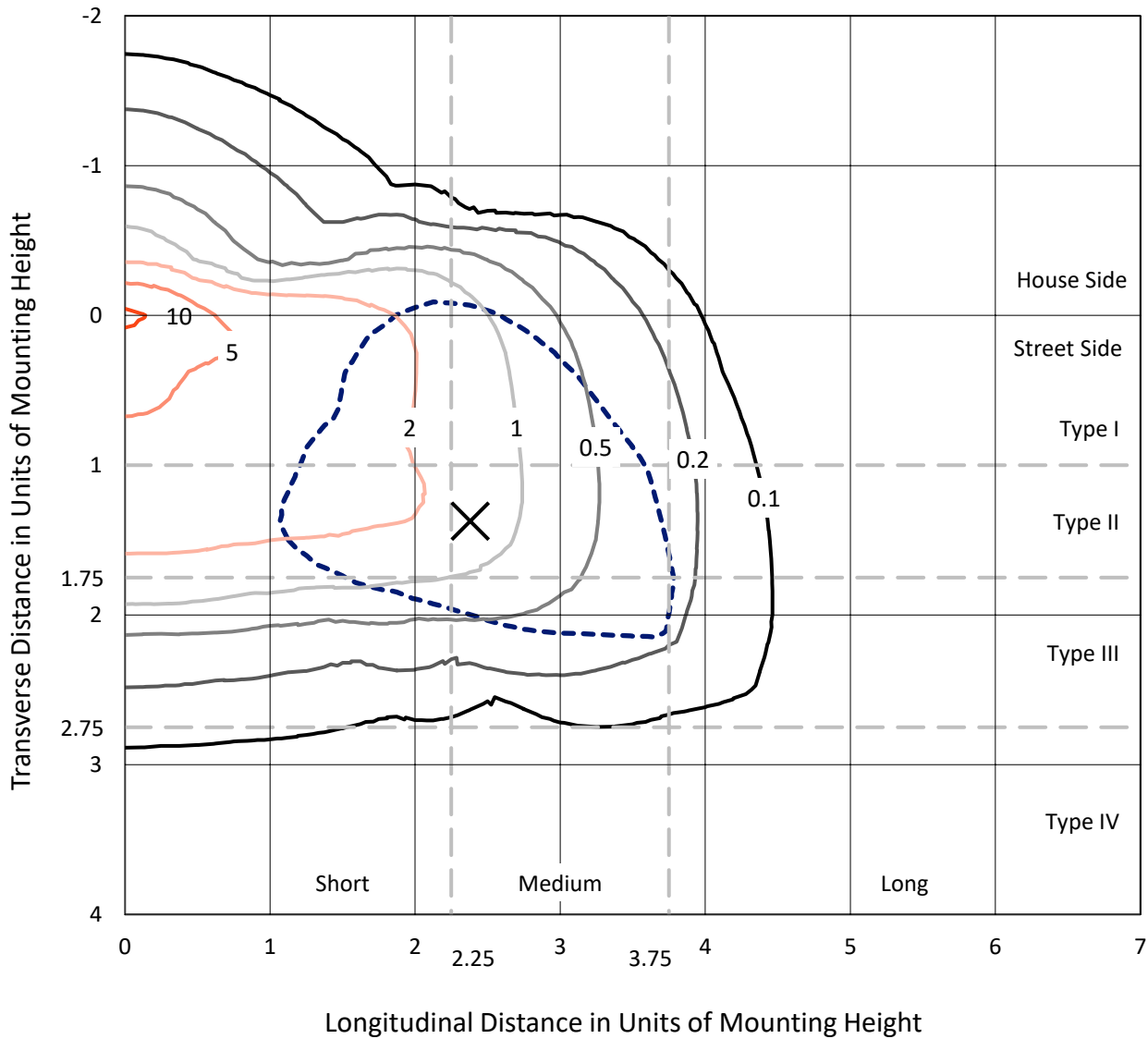


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Iso-Footcandle Lines of Horizontal Illumination

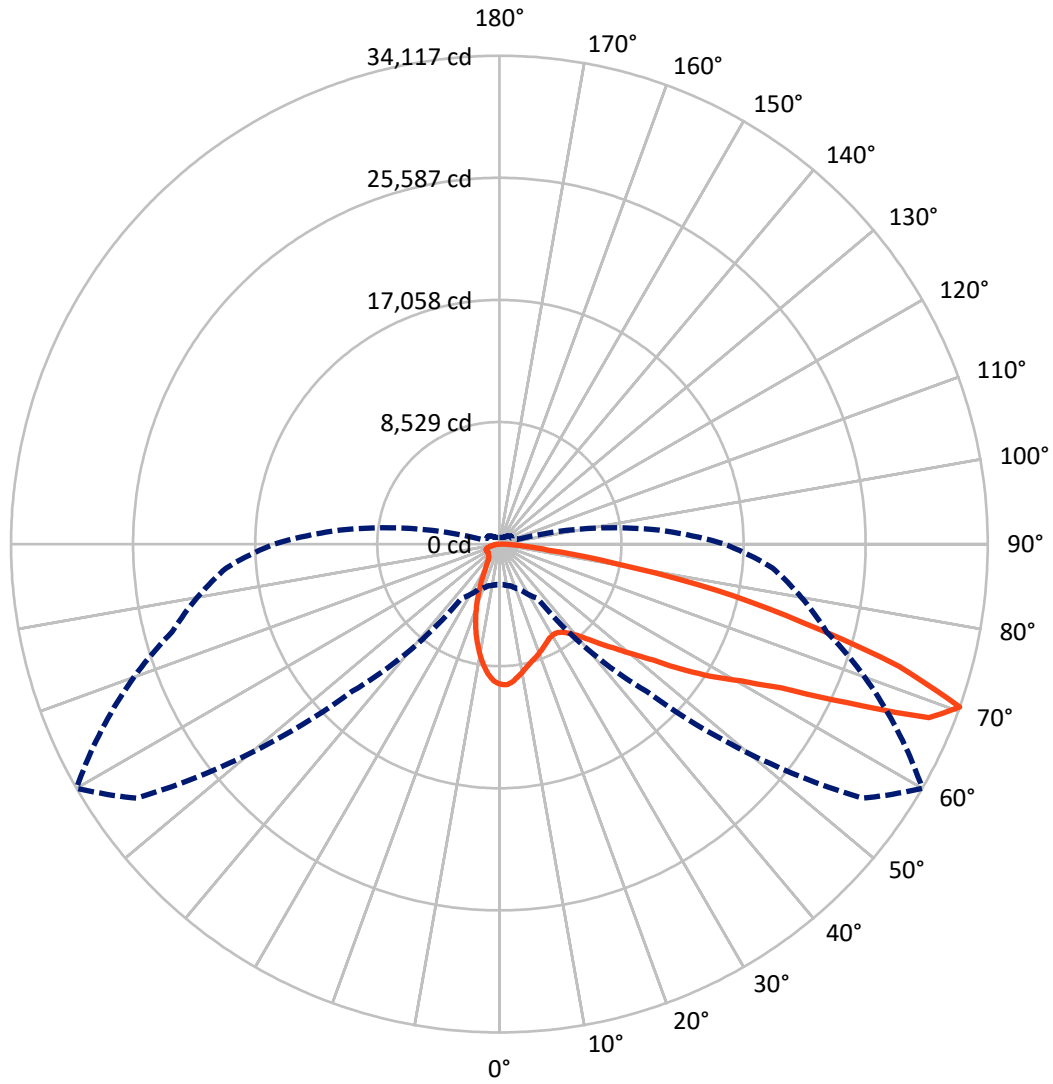
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6056.1	0.0	6056.1
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	29354.9	0.0	29354.9
	% Fixture	82.9	0.0	82.9
Total	Lumens	35411.0	0.0	35411.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	844.6	2.4
10°-20°	1892.2	5.3
20°-30°	2423.3	6.8
30°-40°	3184.8	9.0
40°-50°	4620.6	13.0
50°-60°	7209.2	20.4
60°-70°	9438.2	26.7
70°-80°	5219.0	14.7
80°-90°	579.2	1.6
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°	35411.0	100.0
0°-180°	35411.0	100.0

Coefficient of Utilization



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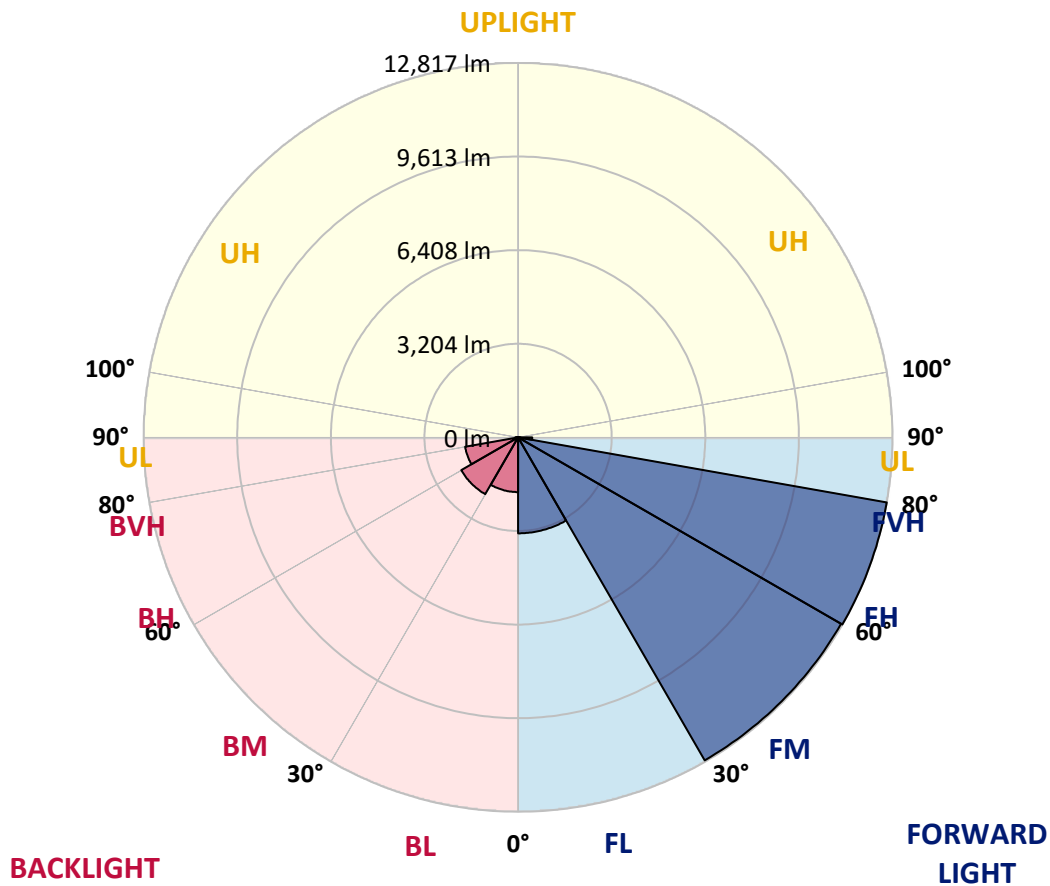
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3286.4	9.3			
FM (30°-60°)	12769.1	36.1			
FH (60°-80°)	12816.8	36.2			G5
FVH (80°-90°)	482.6	1.4			G3/500
BL (0°-30°)	1873.7	5.3	B3/2500		
BM (30°-60°)	2245.4	6.3	B2/2500		
BH (60°-80°)	1840.4	5.2	B3/2500		G3/2500
BVH (80°-90°)	96.6	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-G5

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	9798.7	9798.7	9798.7	9798.7	9798.7	9798.7	9798.7	9798.7	9798.7	9798.7	9798.7
2.5°	9661.4	9671.7	9700.2	9741.7	9783.1	9803.9	9855.7	9840.1	9829.8	9809.0	9783.1
5°	9233.9	9254.6	9280.5	9360.8	9451.5	9524.0	9640.6	9653.6	9658.8	9669.1	9627.7
7.5°	8689.8	8695.0	8757.2	8863.4	8982.6	9106.9	9301.2	9355.6	9402.3	9454.1	9420.4
10°	8088.7	8101.7	8148.3	8301.2	8505.8	8689.8	8951.5	9042.1	9140.6	9254.6	9208.0
12.5°	7596.4	7599.0	7674.2	7837.4	8060.2	8308.9	8635.4	8744.2	8873.7	9052.5	9011.1
15°	7205.2	7205.2	7275.2	7415.1	7671.6	7964.3	8353.0	8492.9	8669.1	8910.0	8837.5
17.5°	6894.3	6896.9	6940.9	7088.6	7316.6	7640.5	8101.7	8290.8	8485.1	8803.8	8695.0
20°	6731.1	6718.1	6725.9	6816.6	7010.9	7324.4	7850.3	8070.6	8332.2	8731.2	8565.4
22.5°	6723.3	6700.0	6666.3	6674.1	6788.1	7047.2	7580.9	7847.8	8176.8	8671.7	8433.3
25°	6855.5	6829.5	6770.0	6702.6	6692.2	6847.7	7327.0	7630.1	8016.2	8645.7	8306.3
27.5°	7078.3	7060.1	6982.4	6881.4	6775.1	6770.0	7135.3	7451.4	7899.6	8671.7	8215.7
30°	7373.6	7342.5	7293.3	7163.8	7003.1	6837.3	7060.1	7355.5	7821.8	8754.6	8176.8
32.5°	7707.8	7689.7	7643.1	7513.5	7342.5	7078.3	7119.7	7376.2	7821.8	8899.6	8184.6
35°	8062.8	8060.2	8060.2	7974.7	7785.6	7456.5	7355.5	7552.4	7941.0	9132.8	8267.5
37.5°	8407.4	8404.8	8487.7	8518.8	8303.7	7948.8	7757.1	7904.8	8202.7	9477.4	8472.2
40°	8687.2	8697.6	8878.9	9034.4	8915.2	8586.2	8316.7	8391.8	8627.6	9967.1	8829.7
42.5°	8969.6	8998.1	9270.1	9544.8	9591.4	9306.4	9034.4	9078.4	9236.5	10614.8	9363.4
45°	9277.9	9290.9	9671.7	10055.2	10280.6	10112.2	9889.4	9949.0	9985.2	11415.4	10158.8
47.5°	9575.9	9609.5	10101.8	10627.8	11055.3	11039.7	10915.3	10897.2	10905.0	12389.6	11099.3
50°	9982.6	10031.9	10609.6	11244.4	11871.4	12159.0	12195.2	12057.9	12000.9	13472.5	12270.4
52.5°	10754.7	10754.7	11272.9	11897.3	12739.3	13451.8	13695.4	13469.9	13288.6	14617.7	13514.0
55°	11721.1	11762.6	12174.5	12679.7	13747.2	14812.0	15635.9	15387.2	14874.2	15863.9	14817.2
57.5°	12151.2	12203.0	12855.9	13640.9	15065.9	16358.8	17501.3	17413.3	16664.5	17159.4	16169.6
60°	11373.9	11482.7	12381.8	13697.9	16260.3	18853.8	19659.5	19403.0	18333.0	18519.6	17636.1
62.5°	9487.8	9607.0	10604.4	12441.4	16094.5	21550.9	23061.4	22115.7	20416.1	20237.3	19589.6
65°	5661.1	5655.9	6855.5	9290.9	14050.3	22299.6	28445.2	26680.8	23633.9	22595.0	21600.1
67.5°	3598.7	3591.0	3842.3	4922.7	9350.5	20465.3	31906.6	32365.2	28004.7	24328.3	21765.9
70°	2839.6	2837.0	3018.4	3510.6	4624.7	14563.3	30942.8	34116.6	30644.8	23667.6	19164.7
72.5°	2070.1	2075.3	2355.1	2940.6	3567.6	7311.4	25056.3	29191.4	28186.1	20892.8	15558.2
75°	1487.2	1494.9	1663.3	2251.5	3290.4	3997.7	16661.9	21949.9	21444.7	16747.4	10702.9
77.5°	945.7	956.0	1103.7	1577.8	2658.2	3228.2	10101.8	15496.0	14267.9	9436.0	3806.0
80°	577.8	611.4	735.8	1176.3	2124.5	2422.5	5049.6	8163.8	7145.6	2588.3	1279.9
82.5°	298.0	323.9	443.0	728.0	1463.8	2127.1	2857.7	3430.3	2212.6	1083.0	681.4
85°	93.3	108.8	155.5	295.4	696.9	1318.8	1891.3	1704.8	1015.6	510.4	316.1
87.5°	23.3	23.3	25.9	25.9	28.5	59.6	365.3	386.0	269.5	160.6	129.5
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°	9798.7	9798.7	9798.7	9798.7	9798.7	9798.7	9798.7	9798.7	9798.7	9798.7	9798.7
2.5°	9731.3	9669.1	9643.2	9640.6	9575.9	9482.6	9420.4	9376.4	9350.5	9345.3	9345.3
5°	9557.7	9477.4	9371.2	9290.9	9117.3	8941.1	8793.4	8710.5	8614.7	8601.7	8599.1
7.5°	9327.1	9210.6	9008.5	8783.1	8479.9	8187.2	7938.4	7770.0	7601.6	7570.5	7560.2
10°	9078.4	8920.4	8575.8	8179.4	7726.0	7288.1	6907.3	6609.3	6412.4	6272.5	6246.6
12.5°	8832.3	8622.4	8117.2	7526.5	6904.7	6306.2	5733.6	5246.5	4894.2	4689.5	4653.2
15°	8601.7	8308.9	7617.2	6863.2	6054.9	5236.2	4425.2	3793.0	3298.2	3122.0	3080.5
17.5°	8391.8	8026.5	7132.7	6176.6	5168.8	4098.8	3176.4	2614.2	2324.0	2235.9	2215.2
20°	8182.0	7736.3	6640.4	5453.8	4228.3	3028.7	2321.4	2057.2	1948.3	1914.7	1904.3
22.5°	7956.6	7417.7	6104.1	4741.3	3277.5	2267.0	1899.1	1782.5	1748.8	1751.4	1748.8
25°	7731.2	7093.8	5541.9	3966.6	2440.6	1839.5	1658.2	1614.1	1621.9	1645.2	1650.4
27.5°	7544.6	6806.2	4990.0	3116.8	1906.9	1583.0	1497.5	1494.9	1523.4	1554.5	1559.7
30°	7409.9	6549.7	4445.9	2396.6	1570.1	1406.8	1373.2	1388.7	1422.4	1445.7	1453.5
32.5°	7314.0	6329.5	3865.6	1883.6	1375.8	1282.5	1266.9	1282.5	1303.2	1326.5	1331.7
35°	7280.4	6168.9	3295.6	1536.4	1243.6	1191.8	1181.4	1189.2	1199.6	1212.5	1217.7
37.5°	7355.5	6088.6	2699.7	1336.9	1163.3	1132.2	1116.7	1111.5	1114.1	1119.3	1121.8
40°	7578.3	6124.8	2212.6	1220.3	1111.5	1083.0	1057.1	1046.7	1044.1	1049.3	1046.7
42.5°	7961.8	6277.7	1860.2	1152.9	1070.0	1028.6	1000.1	989.7	989.7	1002.7	1002.7
45°	8524.0	6578.2	1606.3	1103.7	1033.8	981.9	950.9	945.7	956.0	976.8	979.4
47.5°	9347.9	7018.7	1453.5	1067.4	1000.1	940.5	909.4	906.8	927.5	961.2	963.8
50°	10324.6	7653.4	1370.6	1041.5	976.8	906.8	875.7	878.3	901.6	937.9	945.7
52.5°	11500.9	8518.8	1375.8	1031.2	963.8	886.1	855.0	849.8	873.1	909.4	917.2
55°	12716.0	9570.7	1476.8	1033.8	945.7	875.7	834.3	816.1	836.9	862.8	865.4
57.5°	14052.9	10757.3	1728.1	1028.6	922.4	865.4	816.1	774.7	787.6	803.2	810.9
60°	15560.8	12153.8	2269.6	1038.9	912.0	842.0	779.9	725.4	722.9	733.2	735.8
62.5°	17576.5	14052.9	2878.5	1057.1	935.3	813.5	725.4	668.4	658.1	663.3	665.9
65°	19118.1	14959.7	2686.7	1041.5	984.5	792.8	673.6	614.0	593.3	588.1	588.1
67.5°	18491.1	13760.1	1870.6	1000.1	1007.8	795.4	632.2	557.0	531.1	518.2	515.6
70°	15734.4	11177.0	1300.6	958.6	981.9	790.2	588.1	510.4	476.7	458.6	456.0
72.5°	12431.0	8534.3	1051.9	875.7	891.3	712.5	523.4	458.6	430.1	406.8	406.8
75°	8000.6	5207.7	878.3	779.9	728.0	554.4	453.4	409.4	380.9	357.5	357.5
77.5°	2691.9	1932.8	681.4	660.7	544.1	417.1	380.9	352.4	329.0	308.3	305.7
80°	1093.3	917.2	500.0	500.0	380.9	318.7	298.0	285.0	269.5	243.5	243.5
82.5°	634.8	557.0	349.8	303.1	253.9	220.2	207.3	194.3	194.3	176.2	176.2
85°	305.7	308.3	209.9	186.5	145.1	127.0	121.8	114.0	111.4	101.0	98.5
87.5°	165.8	168.4	106.2	82.9	57.0	49.2	41.5	38.9	36.3	33.7	33.7
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)