

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: P642328

Luminaire Tested: GWS-SA6C-760-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642328
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-760-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27512.7 lumens
Efficiency: N/A
Efficacy: 145.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

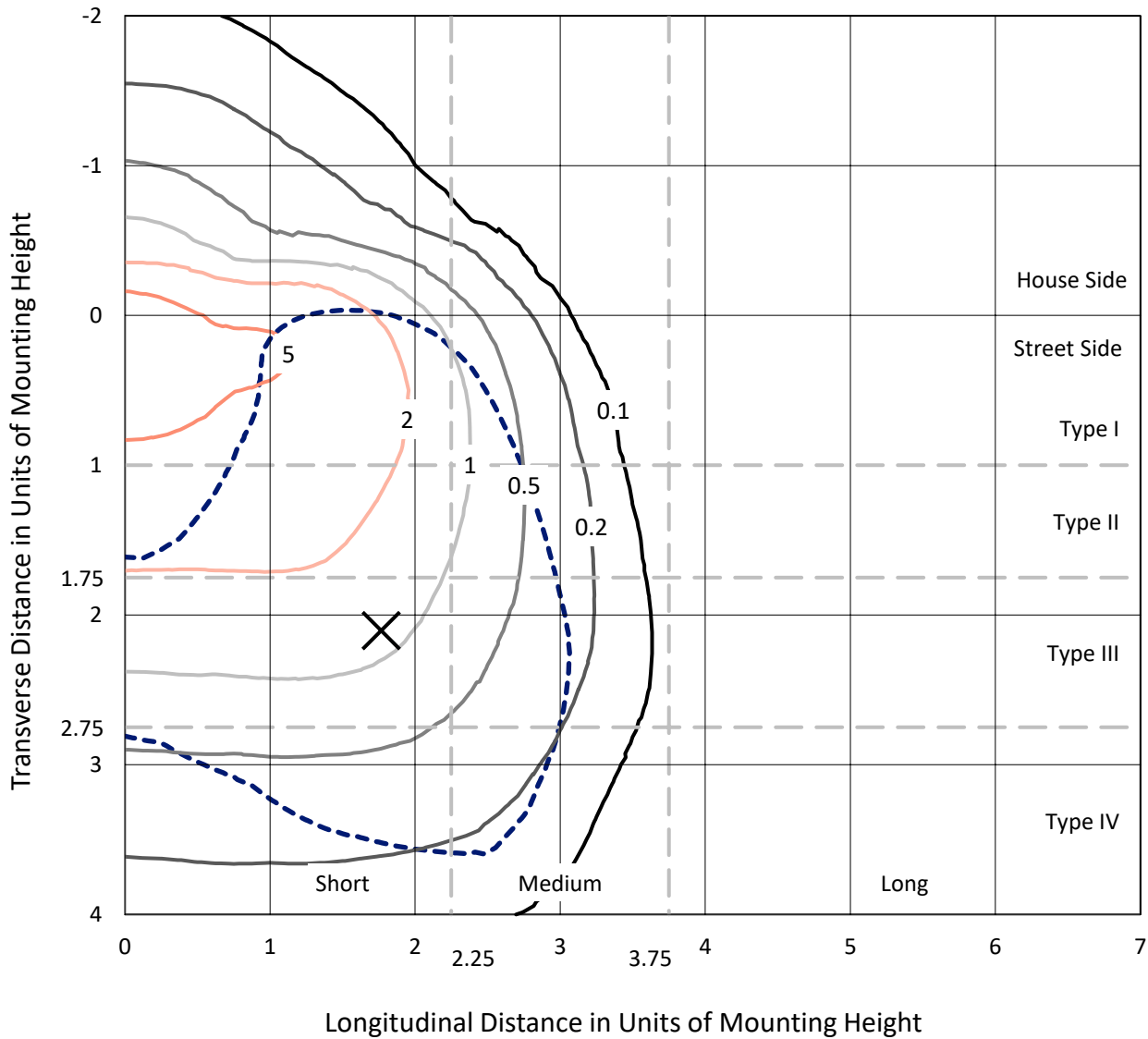
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

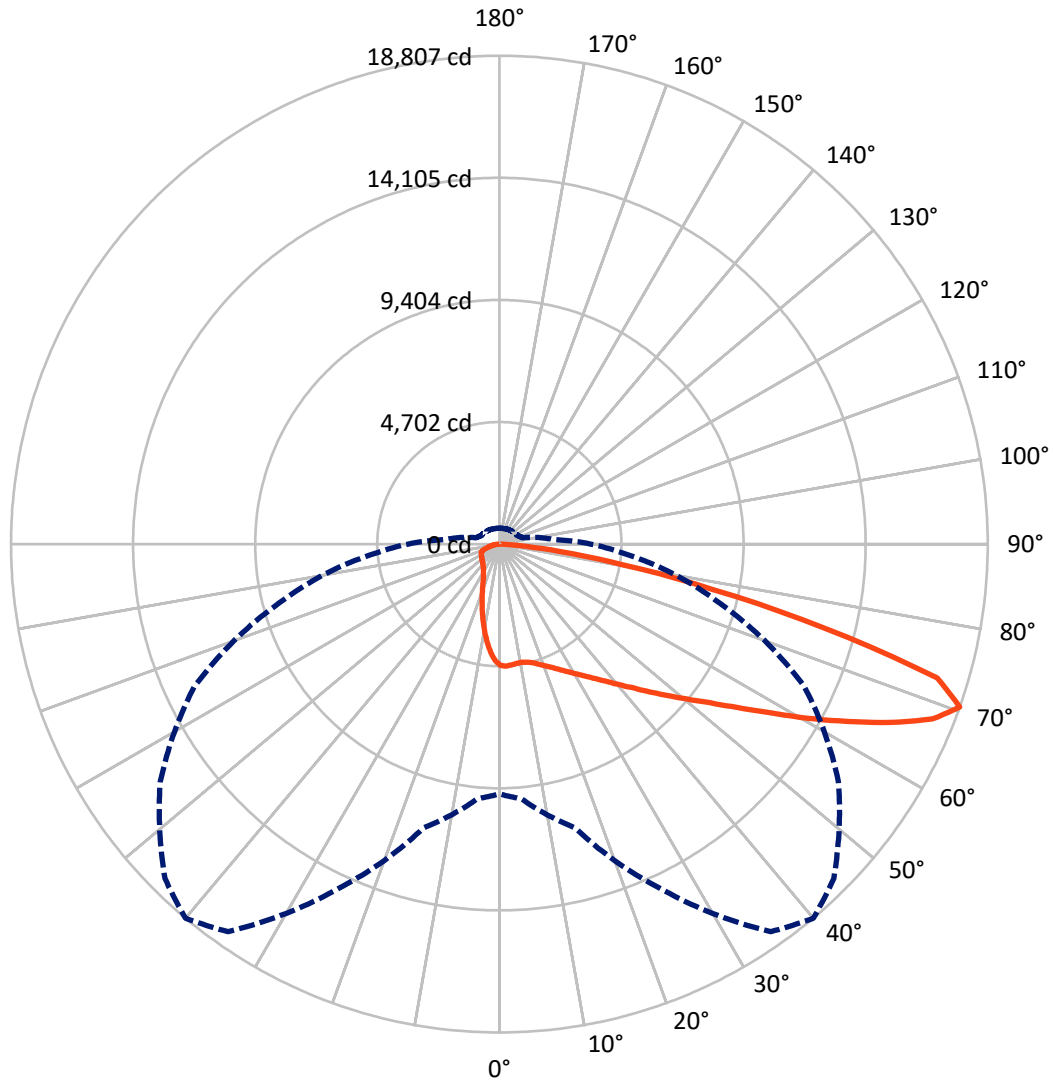
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4237.7	0.0	4237.7
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	23275.0	0.0	23275.0
	% Fixture	84.6	0.0	84.6
Total	Lumens	27512.7	0.0	27512.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.7	1.5
10°-20°	1075.8	3.9
20°-30°	1689.2	6.1
30°-40°	2539.8	9.2
40°-50°	3920.2	14.2
50°-60°	5821.9	21.2
60°-70°	7338.4	26.7
70°-80°	4243.7	15.4
80°-90°	471.0	1.7
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°	27512.7	100.0
0°-180°	27512.7	100.0

Coefficient of Utilization



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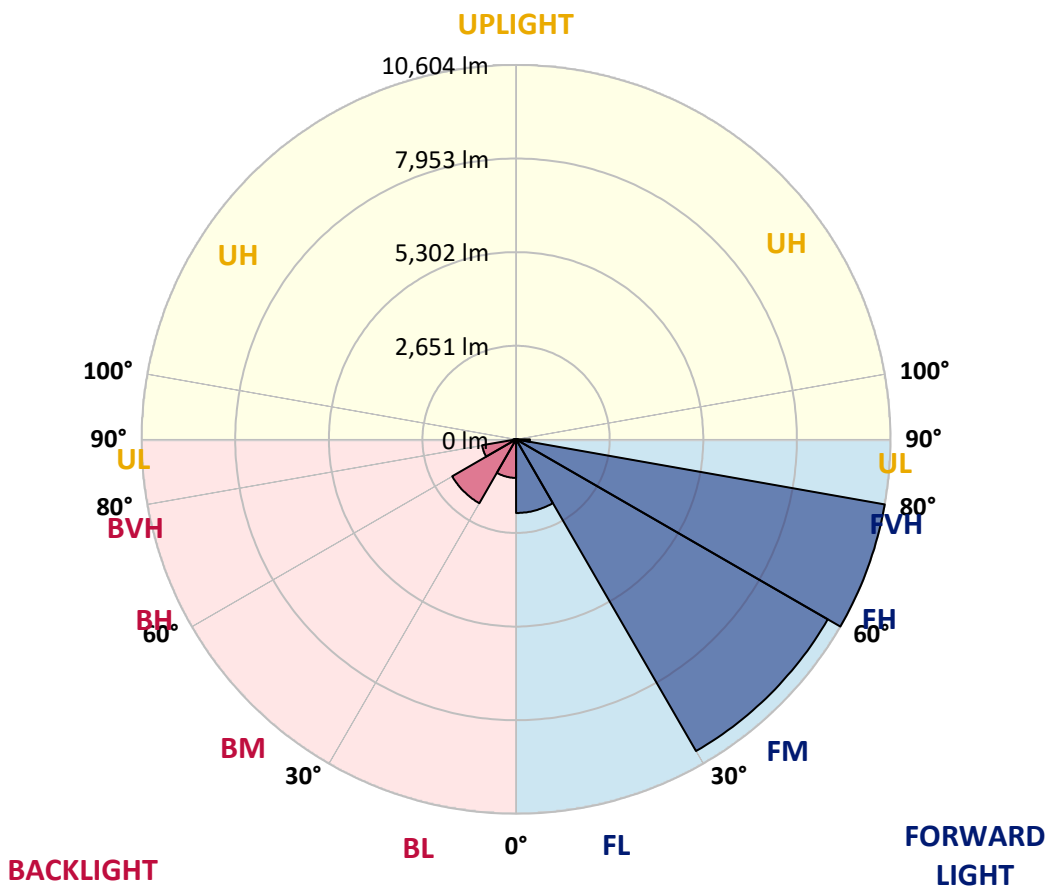
CATALOG NUMBER: GWS-SA6C-760-U-SL4-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2085.7	7.6			
FM (30°-60°)	10193.1	37.0			
FH (60°-80°)	10604.0	38.5			G4/12000
FVH (80°-90°)	392.2	1.4			G3/500
BL (0°-30°)	1092.1	4.0	B3/2500		
BM (30°-60°)	2088.8	7.6	B2/2500		
BH (60°-80°)	978.0	3.6	B2/1000		G2/1000
BVH (80°-90°)	78.7	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-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	4672.0	4672.0	4672.0	4672.0	4672.0	4672.0	4672.0	4672.0	4672.0	4672.0	4672.0
2.5°	4700.7	4708.9	4715.1	4723.3	4719.2	4706.9	4717.2	4717.2	4694.6	4669.9	4647.3
5°	4706.9	4717.2	4715.1	4713.0	4696.6	4676.1	4676.1	4663.8	4624.7	4585.7	4548.8
7.5°	4694.6	4692.5	4690.5	4684.3	4665.8	4643.2	4639.1	4614.5	4563.1	4509.7	4456.3
10°	4639.1	4637.1	4643.2	4657.6	4653.5	4633.0	4633.0	4610.4	4550.8	4485.1	4415.3
12.5°	4593.9	4593.9	4618.6	4657.6	4672.0	4663.8	4665.8	4649.4	4581.6	4503.6	4421.4
15°	4600.1	4602.1	4655.5	4719.2	4745.9	4739.7	4741.8	4723.3	4647.3	4569.3	4458.4
17.5°	4641.2	4651.4	4743.8	4832.2	4867.1	4858.9	4844.5	4813.7	4727.4	4639.1	4503.6
20°	4727.4	4743.8	4863.0	4973.9	5014.9	4996.4	4971.8	4910.2	4815.7	4719.2	4552.9
22.5°	4897.9	4908.1	5039.6	5148.4	5181.3	5158.7	5109.4	5021.1	4912.2	4811.6	4612.4
25°	5138.1	5150.5	5275.7	5376.4	5368.1	5341.5	5273.7	5164.8	5035.5	4928.7	4698.7
27.5°	5423.6	5444.1	5567.3	5647.4	5594.0	5555.0	5479.0	5347.6	5201.8	5105.3	4830.1
30°	5735.7	5744.0	5848.7	5928.8	5846.6	5793.2	5700.8	5559.1	5427.7	5355.8	5027.2
32.5°	6037.6	6045.8	6136.2	6181.4	6095.1	6056.1	5976.0	5826.1	5733.7	5694.7	5320.9
35°	6355.9	6353.9	6427.8	6466.8	6378.5	6362.1	6280.0	6164.9	6148.5	6199.9	5750.1
37.5°	6674.2	6655.8	6694.8	6746.1	6696.8	6713.3	6659.9	6620.9	6684.5	6818.0	6321.0
40°	6928.9	6928.9	6970.0	7033.6	7050.1	7121.9	7091.1	7142.5	7347.8	7666.1	7027.5
42.5°	7154.8	7156.8	7243.1	7341.7	7460.8	7571.7	7596.3	7729.8	8154.9	8653.9	7914.6
45°	7391.0	7393.0	7510.1	7653.8	7906.4	8117.9	8167.2	8467.1	9074.9	9682.8	8877.8
47.5°	7664.1	7641.5	7803.7	8044.0	8403.4	8707.3	8834.6	9259.7	10027.8	10775.3	9785.5
50°	7972.1	7924.9	8105.6	8520.4	8964.0	9380.9	9594.5	10081.2	11050.5	11783.6	10639.8
52.5°	8319.2	8292.5	8481.4	8986.6	9664.3	10144.9	10434.4	11073.1	12044.4	12787.9	11317.5
55°	8750.4	8686.8	8959.9	9602.7	10485.8	11097.7	11440.7	12054.7	13130.8	13699.7	11835.0
57.5°	9222.8	9153.0	9518.5	10372.8	11553.6	12225.2	12654.4	13159.6	14153.5	14397.9	12138.9
60°	9732.1	9709.5	10142.8	11276.4	12826.9	13607.2	13917.3	14375.3	15042.7	14802.5	12062.9
62.5°	10198.2	10190.0	10820.5	12256.0	14176.1	15034.5	15280.9	15402.1	15683.5	14775.8	11459.2
65°	10689.1	10758.9	11611.1	13391.6	15722.5	16564.5	16667.1	16359.1	15899.1	14075.5	10222.9
67.5°	10750.7	10886.2	12108.1	14455.4	17188.7	17983.5	17901.4	16722.6	15262.5	12126.6	8013.2
70°	9615.0	9851.2	11315.4	14617.6	18221.7	18807.0	18213.5	15940.2	12952.1	8785.4	5039.6
72.5°	8033.7	8237.0	9530.8	12465.4	16888.9	17634.4	16831.4	13492.2	9153.0	5039.6	2567.0
75°	6253.3	6489.4	7682.6	9908.7	12644.1	12941.9	12539.4	9409.7	5031.4	2078.3	1166.5
77.5°	3815.6	3986.1	4914.3	6713.3	8847.0	8401.3	7119.9	5275.7	2207.6	996.0	720.8
80°	1688.1	1792.8	2421.2	3606.1	5111.4	4832.2	3809.5	2252.8	1207.5	632.5	503.1
82.5°	905.6	973.4	1193.1	1427.3	2244.6	2347.3	1903.7	1297.9	648.9	361.4	287.5
85°	398.4	437.4	542.2	517.5	737.2	724.9	731.1	891.3	310.1	166.3	186.9
87.5°	0.0	0.0	0.0	0.0	2.1	2.1	22.6	119.1	30.8	49.3	43.1
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°	4672.0	4672.0	4672.0	4672.0	4672.0	4672.0	4672.0	4672.0	4672.0	4672.0	4672.0
2.5°	4622.7	4585.7	4575.5	4563.1	4540.5	4501.5	4472.8	4439.9	4425.5	4409.1	4411.2
5°	4507.7	4462.5	4419.4	4363.9	4294.1	4216.1	4162.7	4101.1	4068.2	4037.4	4045.6
7.5°	4409.1	4339.3	4251.0	4133.9	4008.7	3869.0	3756.1	3667.8	3608.2	3567.1	3587.7
10°	4347.5	4265.4	4111.3	3920.3	3708.8	3495.3	3333.0	3181.0	3086.6	3012.7	3008.5
12.5°	4335.2	4228.4	4004.5	3727.3	3421.3	3135.9	2897.6	2692.3	2567.0	2474.6	2509.5
15°	4347.5	4212.0	3912.1	3548.6	3162.6	2776.5	2480.8	2244.6	2094.7	2010.5	2004.3
17.5°	4361.9	4195.5	3807.4	3355.6	2891.5	2450.0	2107.0	1856.5	1702.4	1618.2	1620.3
20°	4374.2	4170.9	3684.2	3144.1	2616.3	2146.0	1790.8	1552.5	1414.9	1353.3	1363.6
22.5°	4394.7	4146.2	3552.8	2918.2	2335.0	1852.4	1540.2	1347.2	1265.0	1224.0	1226.0
25°	4433.8	4131.9	3417.2	2671.8	2057.7	1618.2	1367.7	1238.3	1187.0	1162.3	1160.3
27.5°	4513.8	4144.2	3275.5	2433.5	1807.2	1439.6	1256.8	1172.6	1137.7	1121.3	1119.2
30°	4647.3	4193.5	3152.3	2191.2	1591.6	1299.9	1180.8	1129.5	1109.0	1094.6	1092.5
32.5°	4850.6	4285.9	3018.8	1965.3	1417.0	1197.3	1121.3	1094.6	1080.2	1072.0	1072.0
35°	5158.7	4454.3	2887.4	1768.2	1281.5	1117.2	1074.0	1063.8	1051.5	1047.3	1051.5
37.5°	5602.3	4723.3	2768.3	1595.7	1184.9	1055.6	1022.7	1026.8	1016.5	1022.7	1028.9
40°	6164.9	5082.7	2667.6	1454.0	1113.1	1010.4	977.5	991.9	985.7	991.9	1002.2
42.5°	6877.6	5528.3	2591.7	1343.1	1061.7	973.4	942.6	957.0	952.9	961.1	971.4
45°	7672.3	6115.7	2556.7	1265.0	1024.8	946.7	913.9	924.1	920.0	926.2	936.4
47.5°	8434.2	6649.6	2587.6	1219.8	993.9	924.1	889.2	893.3	891.3	889.2	895.4
50°	9091.3	7074.7	2675.9	1205.5	973.4	901.5	868.7	870.7	864.6	852.2	856.4
52.5°	9627.3	7415.6	2729.3	1205.5	963.1	876.9	846.1	848.1	835.8	819.4	821.4
55°	9980.6	7553.2	2686.1	1203.4	959.0	856.4	823.5	825.6	813.2	792.7	794.7
57.5°	10081.2	7419.7	2505.4	1180.8	954.9	839.9	800.9	805.0	796.8	774.2	774.2
60°	9799.8	6930.9	2174.8	1129.5	944.7	829.7	784.5	790.6	786.5	763.9	763.9
62.5°	9062.6	6062.3	1780.5	1051.5	915.9	817.3	770.1	782.4	792.7	780.4	778.3
65°	7682.6	4856.8	1447.8	965.2	878.9	796.8	749.6	780.4	803.0	819.4	819.4
67.5°	5764.5	3476.8	1180.8	874.8	823.5	755.7	722.9	751.6	768.1	778.3	784.5
70°	3513.7	2045.4	930.3	770.1	743.4	694.1	669.5	640.7	618.1	614.0	616.1
72.5°	1718.9	1170.6	755.7	655.1	634.6	589.4	533.9	521.6	511.3	505.2	503.1
75°	946.7	815.3	624.3	544.2	507.2	451.8	439.5	418.9	414.8	406.6	408.7
77.5°	669.5	642.8	515.5	441.5	386.1	357.3	363.5	349.1	349.1	343.0	340.9
80°	503.1	505.2	396.3	322.4	285.5	275.2	281.3	281.3	277.2	275.2	273.1
82.5°	318.3	359.4	267.0	207.4	203.3	205.4	203.3	201.3	205.4	199.2	197.1
85°	219.7	258.8	162.2	123.2	123.2	121.2	125.3	123.2	127.3	121.2	121.2
87.5°	49.3	115.0	59.6	37.0	39.0	37.0	39.0	41.1	45.2	47.2	47.2
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)