

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: P640534

Luminaire Tested: GWS-SA5E-722-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640534
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5E-722-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27671.1 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

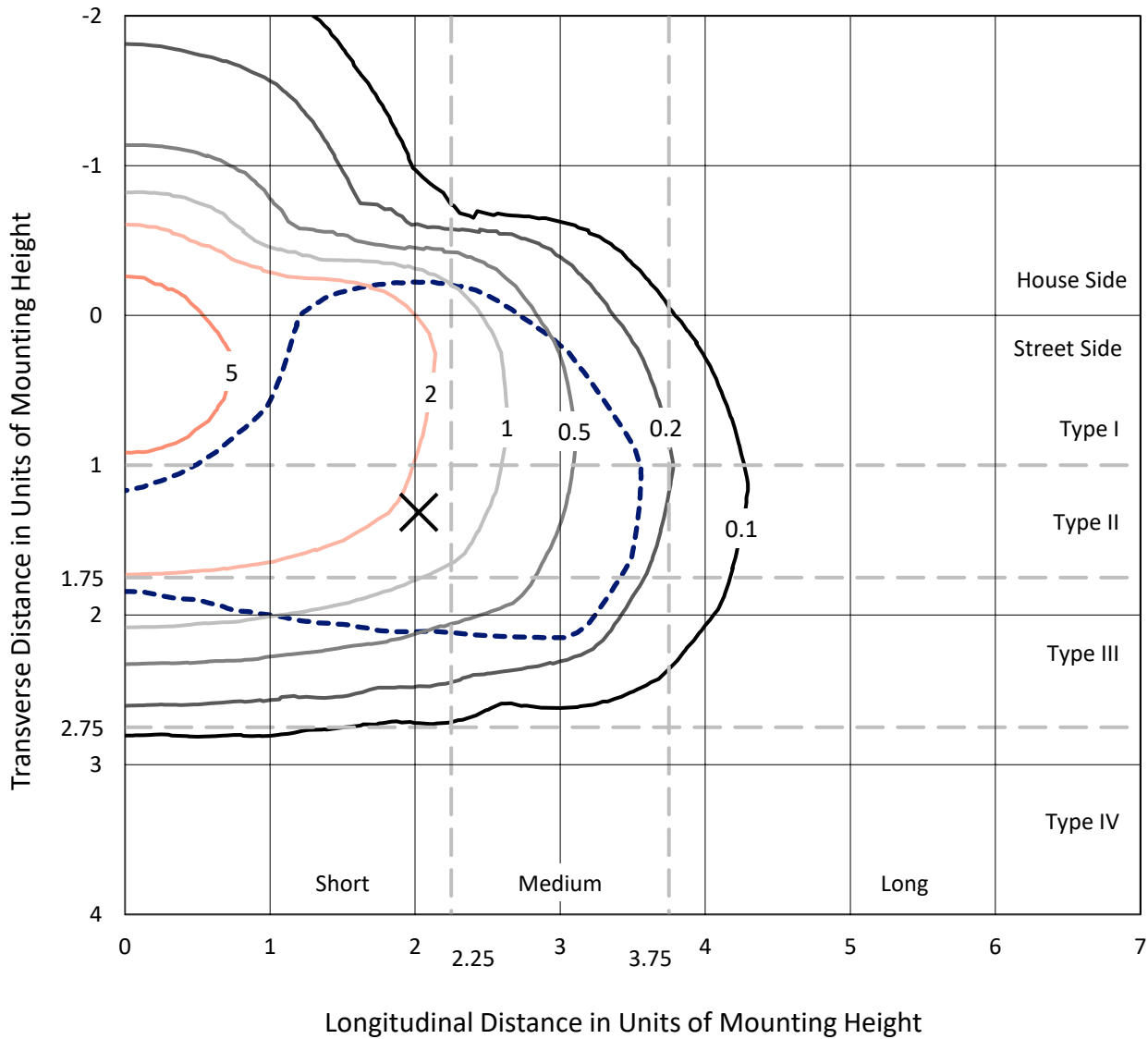
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640534
 CATALOG NUMBER: GWS-SA5E-722-U-T3-W

Iso-Footcandle Lines of Horizontal Illumination

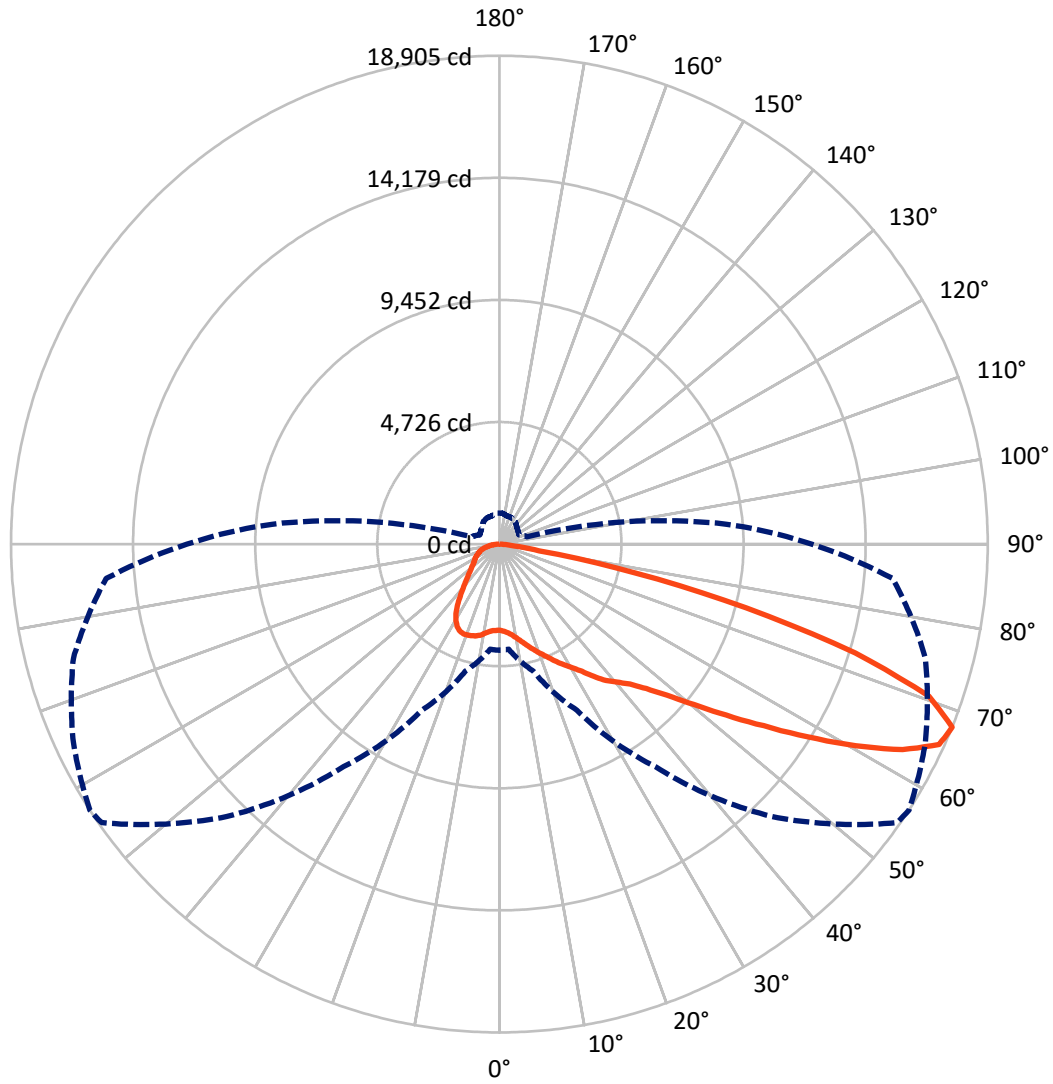
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type III - Short - N/A

REPORT NUMBER: P640534
CATALOG NUMBER: GWS-SA5E-722-U-T3-W

Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P640534

CATALOG NUMBER: GWS-SA5E-722-U-T3-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6083.8	0.0	6083.8
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	21587.3	0.0	21587.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	27671.1	0.0	27671.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.7	1.2
10°-20°	1094.7	4.0
20°-30°	1951.7	7.1
30°-40°	2837.5	10.3
40°-50°	4106.8	14.8
50°-60°	6427.0	23.2
60°-70°	7497.5	27.1
70°-80°	3129.8	11.3
80°-90°	295.4	1.1
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°	27671.1	100.0
0°-180°	27671.1	100.0

Coefficient of Utilization



REPORT NUMBER: P640534

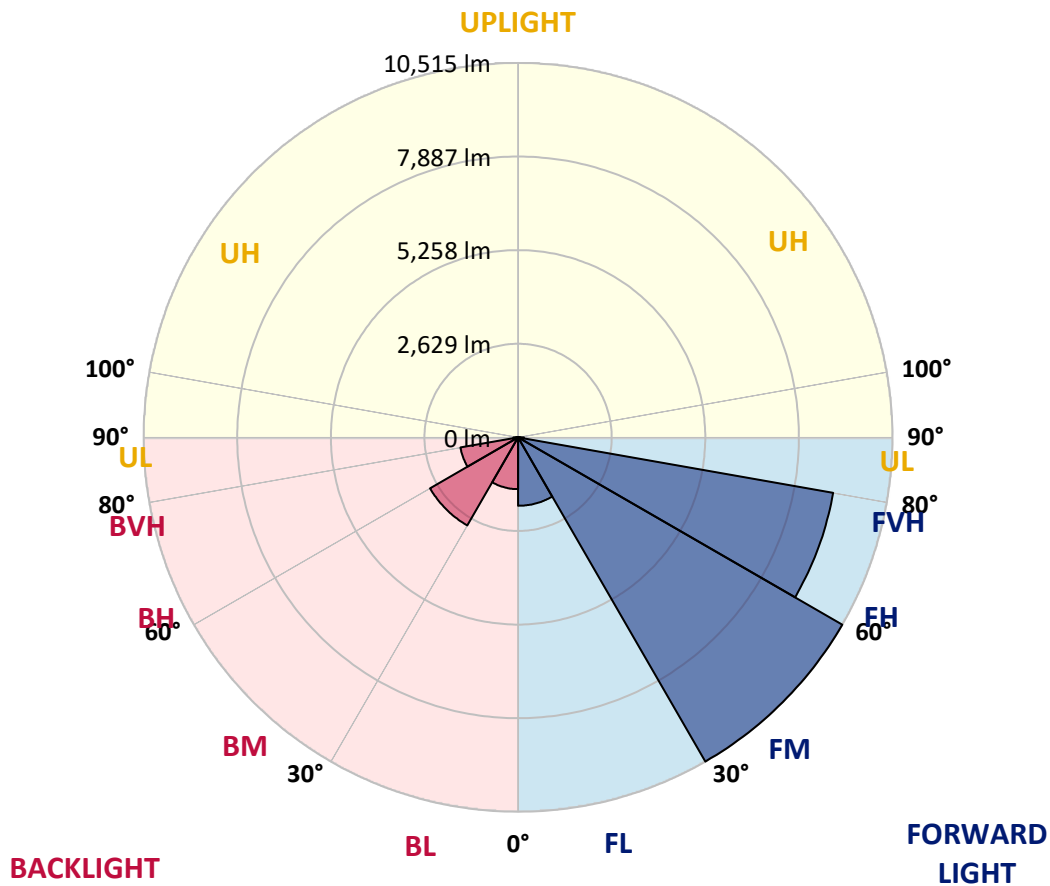
CATALOG NUMBER: GWS-SA5E-722-U-T3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1922.0	6.9			
FM (30°-60°)	10515.4	38.0			
FH (60°-80°)	8985.3	32.5			G4/12000
FVH (80°-90°)	164.6	0.6			G2/225
BL (0°-30°)	1455.1	5.3	B3/2500		
BM (30°-60°)	2855.9	10.3	B3/5000		
BH (60°-80°)	1642.0	5.9	B3/2500		G3/2500
BVH (80°-90°)	130.8	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short





REPORT NUMBER: P640534

CATALOG NUMBER: GWS-SA5E-722-U-T3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	3334.2	3334.2	3334.2	3334.2	3334.2	3334.2	3334.2	3334.2	3334.2	3334.2	3334.2
2.5°	3381.8	3377.8	3375.8	3387.7	3383.7	3381.8	3381.8	3379.8	3375.8	3359.9	3338.1
5°	3474.9	3467.0	3459.1	3469.0	3461.0	3453.1	3451.1	3447.2	3433.3	3409.5	3375.8
7.5°	3572.1	3564.1	3566.1	3572.1	3566.1	3562.1	3556.2	3552.2	3530.4	3492.8	3447.2
10°	3708.8	3708.8	3712.8	3718.7	3720.7	3714.8	3702.9	3696.9	3671.2	3623.6	3560.2
12.5°	3907.1	3903.1	3903.1	3899.1	3905.1	3899.1	3887.2	3877.3	3845.6	3784.2	3693.0
15°	4168.7	4152.9	4139.0	4113.2	4105.3	4083.5	4087.4	4081.5	4051.8	3968.5	3853.5
17.5°	4448.2	4446.2	4424.4	4372.9	4321.3	4285.7	4293.6	4291.6	4275.8	4162.8	4016.1
20°	4694.0	4703.9	4684.1	4644.5	4575.1	4507.7	4503.7	4513.6	4493.8	4380.8	4176.6
22.5°	4969.6	4961.6	4941.8	4890.3	4838.7	4767.4	4743.6	4735.6	4727.7	4598.9	4341.2
25°	5231.2	5255.0	5229.2	5181.7	5102.4	5025.1	5005.2	5013.2	4991.4	4820.9	4517.6
27.5°	5562.3	5572.2	5556.3	5490.9	5423.5	5314.5	5276.8	5276.8	5268.9	5029.0	4656.4
30°	5915.1	5942.8	5915.1	5861.6	5792.2	5635.6	5554.3	5546.4	5522.6	5243.1	4818.9
32.5°	6269.9	6289.7	6269.9	6218.4	6139.1	6002.3	5885.4	5867.5	5835.8	5477.0	4985.4
35°	6585.1	6602.9	6599.0	6610.9	6545.5	6373.0	6301.6	6293.7	6210.5	5782.3	5211.4
37.5°	6930.0	6951.8	6922.1	6945.9	6920.1	6757.6	6735.8	6696.1	6577.2	6069.7	5449.3
40°	7322.5	7342.3	7294.8	7304.7	7274.9	7183.7	7072.7	7019.2	6842.8	6380.9	5823.9
42.5°	7742.7	7788.3	7810.1	7792.3	7722.9	7671.4	7477.1	7409.7	7263.0	6941.9	6440.4
45°	8351.3	8418.7	8450.4	8404.8	8375.1	8301.7	8063.9	7982.6	7905.3	7732.8	7300.7
47.5°	9007.4	9068.9	9170.0	9189.8	9213.6	9158.1	8823.1	8743.8	8757.7	8737.8	8359.2
50°	9530.8	9582.3	9810.3	10054.1	10256.3	10272.1	9844.0	9758.7	9834.0	9897.5	9633.8
52.5°	9911.4	9956.9	10258.3	10761.7	11219.7	11558.6	11096.8	10999.6	11061.1	11203.8	11082.9
55°	10220.6	10284.0	10599.2	11372.3	12298.0	12833.2	12537.9	12415.0	12389.2	12565.6	12635.0
57.5°	10383.1	10403.0	10845.0	11850.0	13088.9	14084.0	14212.9	14074.1	13828.3	13925.5	14286.2
60°	10012.4	10046.1	10650.7	11972.9	13713.3	15324.9	15971.2	15856.2	15332.9	15386.4	15784.8
62.5°	8987.6	9035.2	9762.7	11388.1	13764.9	16153.5	17594.6	17521.3	16819.6	16530.2	16649.1
65°	7209.5	7225.4	7978.6	9941.1	12740.1	16256.6	18726.5	18708.7	17858.3	17180.3	16670.9
67.5°	4111.2	4083.5	5090.5	7090.6	10514.0	14916.6	18799.9	18904.9	18195.3	17073.3	15283.3
70°	1782.1	1786.0	2249.9	3498.7	6805.1	12056.2	17461.8	17642.2	17220.0	15291.2	12159.2
72.5°	824.6	836.5	1036.7	1514.5	2906.0	7479.1	14238.6	14401.2	14038.4	12238.5	8846.9
75°	582.8	592.7	691.8	868.2	1336.1	2913.9	9524.8	9865.8	10042.2	9154.1	5829.9
77.5°	442.0	455.9	505.5	602.6	824.6	1032.8	4557.2	5370.0	6396.8	5695.1	3003.1
80°	281.5	281.5	335.0	402.4	503.5	537.2	1316.2	1560.0	3130.0	2347.0	1179.5
82.5°	190.3	196.2	228.0	255.7	289.4	305.3	564.9	602.6	903.9	798.9	485.7
85°	101.1	105.1	118.9	117.0	138.8	120.9	237.9	235.9	331.0	362.8	184.4
87.5°	0.0	0.0	2.0	2.0	4.0	5.9	25.8	27.8	69.4	111.0	61.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P640534
 CATALOG NUMBER: GWS-SA5E-722-U-T3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3334.2	3334.2	3334.2	3334.2	3334.2	3334.2	3334.2	3334.2	3334.2	3334.2	3334.2
2.5°	3350.0	3326.3	3338.1	3334.2	3346.1	3346.1	3324.3	3318.3	3320.3	3296.5	3288.6
5°	3379.8	3352.0	3358.0	3350.0	3361.9	3371.8	3361.9	3361.9	3373.8	3356.0	3346.1
7.5°	3447.2	3415.5	3415.5	3405.5	3419.4	3427.3	3419.4	3431.3	3453.1	3435.3	3425.4
10°	3554.2	3516.5	3518.5	3506.6	3512.6	3508.6	3476.9	3467.0	3472.9	3457.1	3449.2
12.5°	3693.0	3641.4	3641.4	3617.6	3603.8	3562.1	3496.7	3472.9	3476.9	3463.0	3457.1
15°	3825.8	3778.2	3768.3	3720.7	3657.3	3580.0	3520.5	3504.7	3508.6	3494.7	3484.8
17.5°	3982.4	3920.9	3885.3	3798.0	3681.1	3601.8	3542.3	3504.7	3472.9	3441.2	3433.3
20°	4127.1	4049.8	3984.4	3849.6	3706.8	3597.8	3486.8	3393.6	3316.3	3274.7	3264.8
22.5°	4275.8	4176.6	4061.7	3885.3	3704.9	3526.5	3322.3	3181.5	3066.6	3005.1	3017.0
25°	4416.5	4291.6	4135.0	3918.9	3641.4	3367.9	3090.4	2880.2	2749.4	2701.8	2688.0
27.5°	4533.5	4378.8	4202.4	3903.1	3510.6	3139.9	2773.2	2539.3	2412.4	2358.9	2345.0
30°	4664.3	4489.8	4299.5	3829.7	3304.4	2820.8	2414.4	2224.1	2132.9	2081.4	2083.4
32.5°	4814.9	4632.6	4436.3	3689.0	3040.8	2475.9	2119.0	1988.2	1914.9	1863.3	1855.4
35°	5017.1	4836.7	4527.5	3476.9	2705.8	2158.7	1916.9	1809.8	1718.6	1651.2	1637.4
37.5°	5266.9	5144.0	4537.4	3193.4	2347.0	1940.6	1772.1	1657.2	1546.2	1457.0	1447.1
40°	5695.1	5554.3	4456.1	2838.6	2041.7	1799.9	1651.2	1518.4	1389.6	1290.5	1276.6
42.5°	6305.6	6016.2	4281.7	2438.2	1811.8	1688.9	1536.3	1367.8	1236.9	1167.6	1157.6
45°	7082.7	6531.6	4020.0	2061.6	1641.3	1579.9	1415.3	1238.9	1169.5	1120.0	1110.1
47.5°	8034.1	7132.2	3718.7	1768.2	1508.5	1480.8	1292.4	1195.3	1133.9	1092.2	1082.3
50°	9172.0	7897.4	3471.0	1538.2	1389.6	1365.8	1252.8	1169.5	1120.0	1086.3	1078.4
52.5°	10470.4	8747.8	3350.0	1373.7	1286.5	1262.7	1238.9	1163.6	1122.0	1096.2	1086.3
55°	11818.3	9643.7	3237.0	1246.8	1199.3	1213.1	1240.9	1183.4	1151.7	1118.0	1108.1
57.5°	13120.6	10484.2	2959.5	1147.7	1135.8	1189.4	1250.8	1203.2	1165.6	1131.9	1120.0
60°	14018.6	10944.1	2489.7	1068.4	1088.3	1159.6	1225.0	1173.5	1125.9	1112.1	1106.1
62.5°	14260.5	10888.6	1932.7	987.2	1030.8	1094.2	1157.6	1123.9	1074.4	1096.2	1098.2
65°	13695.5	10293.9	1451.0	907.9	955.5	1009.0	1088.3	1074.4	1056.6	1116.0	1118.0
67.5°	12095.8	8833.0	1106.1	838.5	878.1	943.6	1066.5	1123.9	1127.9	1203.2	1195.3
70°	9152.1	6599.0	866.3	773.1	818.7	943.6	1135.8	1161.6	1114.0	1183.4	1167.6
72.5°	6327.4	4355.0	737.4	715.6	745.3	900.0	1133.9	1133.9	1082.3	1082.3	1052.6
75°	3930.8	2561.1	642.3	642.3	642.3	787.0	1102.1	1044.7	953.5	911.8	888.1
77.5°	1940.6	1244.9	539.2	559.0	537.2	658.1	900.0	854.4	798.9	755.2	739.4
80°	828.6	622.4	436.1	457.9	432.1	495.6	713.6	703.7	650.2	592.7	574.9
82.5°	380.6	321.1	348.9	358.8	315.2	372.7	521.3	521.3	491.6	412.3	382.6
85°	162.5	170.5	241.8	241.8	198.2	210.1	279.5	265.6	237.9	194.3	178.4
87.5°	55.5	83.3	122.9	107.0	41.6	17.8	9.9	4.0	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)