

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: P640369

Luminaire Tested: GWS-SA5D-760-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640369
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-SA5D-760-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30328.8 lumens
Efficiency: N/A
Efficacy: 148.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

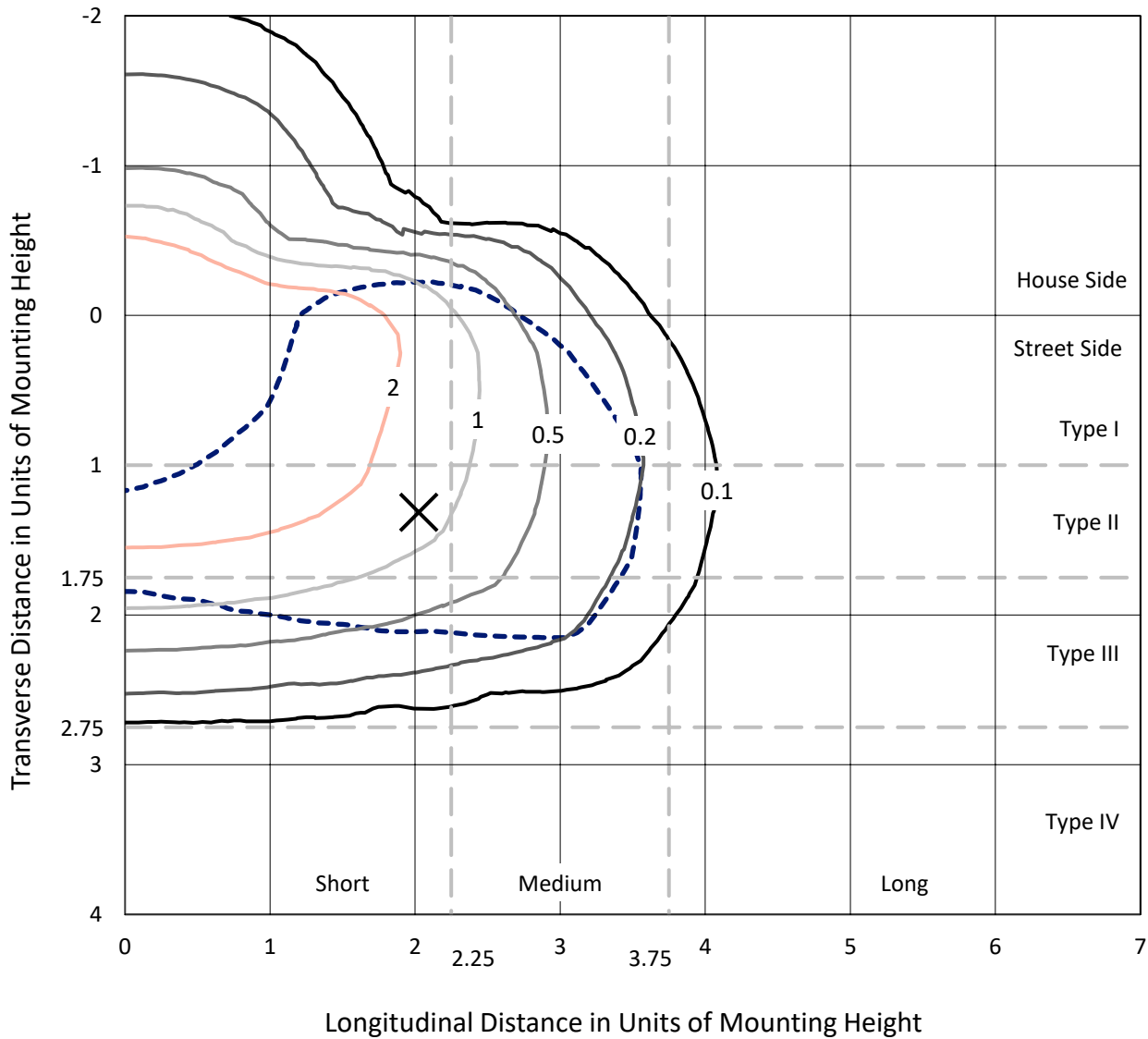
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640369
 CATALOG NUMBER: GWS-SA5D-760-U-T3-W

Iso-Footcandle Lines of Horizontal Illumination

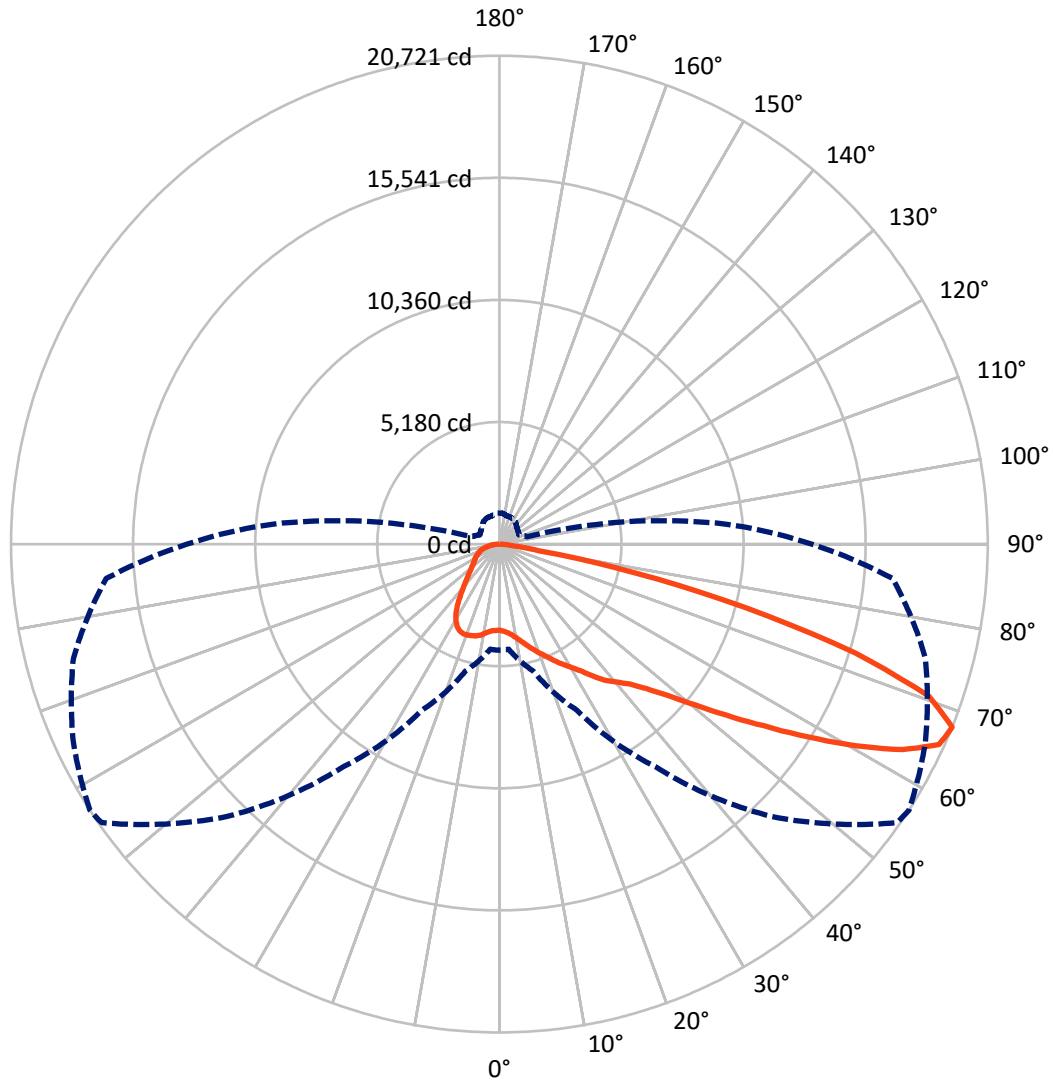
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.8 fc
 Type III - Short - N/A

REPORT NUMBER: P640369
CATALOG NUMBER: GWS-SA5D-760-U-T3-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P640369

CATALOG NUMBER: GWS-SA5D-760-U-T3-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6668.2	0.0	6668.2
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	23660.6	0.0	23660.6
	% Fixture	78.0	0.0	78.0
Total	Lumens	30328.8	0.0	30328.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.4	1.2
10°-20°	1199.9	4.0
20°-30°	2139.1	7.1
30°-40°	3110.0	10.3
40°-50°	4501.3	14.8
50°-60°	7044.3	23.2
60°-70°	8217.6	27.1
70°-80°	3430.4	11.3
80°-90°	323.7	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°	30328.8	100.0
0°-180°	30328.8	100.0

Coefficient of Utilization



REPORT NUMBER: P640369

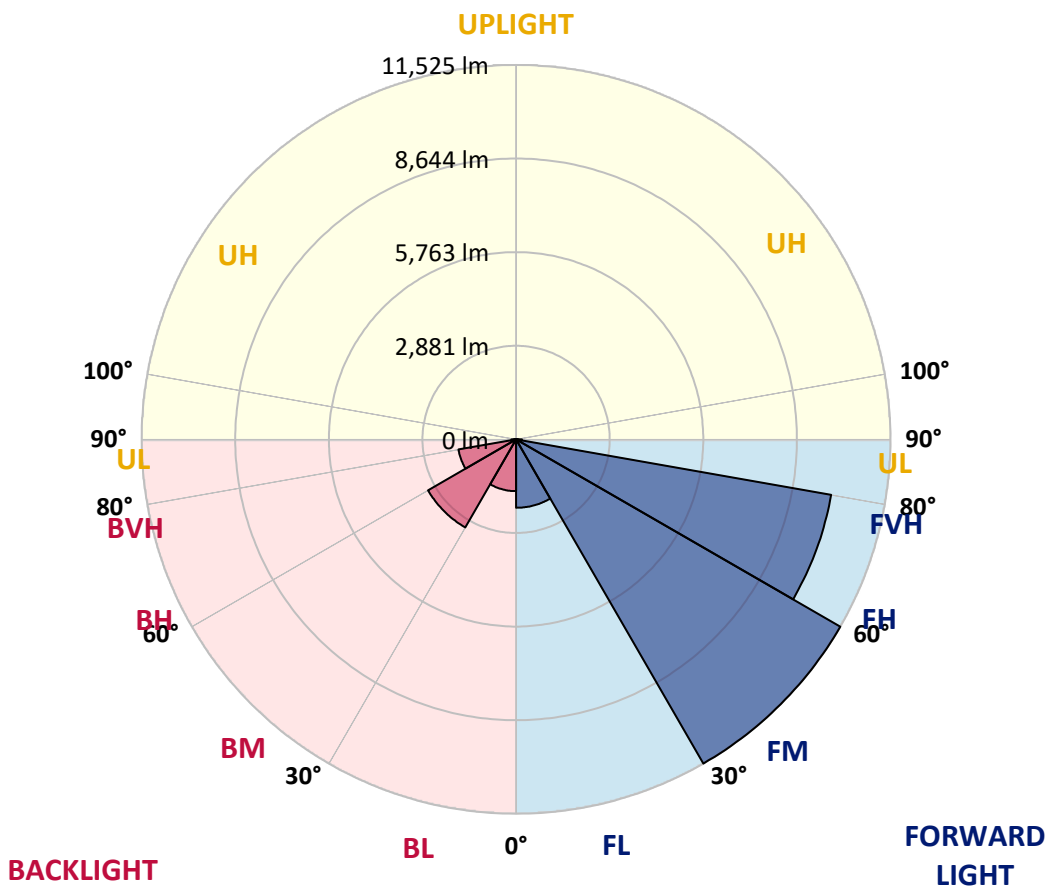
CATALOG NUMBER: GWS-SA5D-760-U-T3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2106.6	6.9			
FM (30°-60°)	11525.4	38.0			
FH (60°-80°)	9848.3	32.5			G4/12000
FVH (80°-90°)	180.4	0.6			G2/225
BL (0°-30°)	1594.8	5.3	B3/2500		
BM (30°-60°)	3130.2	10.3	B3/5000		
BH (60°-80°)	1799.8	5.9	B3/2500		G3/2500
BVH (80°-90°)	143.4	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: P640369

CATALOG NUMBER: GWS-SA5D-760-U-T3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	3654.4	3654.4	3654.4	3654.4	3654.4	3654.4	3654.4	3654.4	3654.4	3654.4	3654.4
2.5°	3706.6	3702.2	3700.0	3713.1	3708.7	3706.6	3706.6	3704.4	3700.0	3682.7	3658.8
5°	3808.7	3800.0	3791.3	3802.2	3793.5	3784.8	3782.6	3778.3	3763.0	3737.0	3700.0
7.5°	3915.1	3906.4	3908.6	3915.1	3908.6	3904.3	3897.8	3893.4	3869.5	3828.2	3778.3
10°	4065.0	4065.0	4069.4	4075.9	4078.1	4071.6	4058.5	4052.0	4023.8	3971.6	3902.1
12.5°	4282.3	4278.0	4278.0	4273.6	4280.1	4273.6	4260.6	4249.7	4215.0	4147.6	4047.7
15°	4569.1	4551.7	4536.5	4508.3	4499.6	4475.7	4480.0	4473.5	4440.9	4349.7	4223.7
17.5°	4875.4	4873.3	4849.4	4792.9	4736.4	4697.3	4706.0	4703.8	4686.4	4562.6	4401.8
20°	5144.9	5155.7	5134.0	5090.5	5014.5	4940.6	4936.3	4947.1	4925.4	4801.6	4577.8
22.5°	5446.9	5438.2	5416.4	5360.0	5303.5	5225.2	5199.2	5190.5	5181.8	5040.6	4758.1
25°	5733.6	5759.7	5731.5	5679.3	5592.4	5507.7	5486.0	5494.7	5470.8	5283.9	4951.5
27.5°	6096.5	6107.3	6090.0	6018.3	5944.4	5824.9	5783.6	5783.6	5774.9	5512.0	5103.6
30°	6483.2	6513.6	6483.2	6424.6	6348.5	6176.9	6087.8	6079.1	6053.0	5746.7	5281.7
32.5°	6872.1	6893.8	6872.1	6815.6	6728.7	6578.8	6450.6	6431.1	6396.3	6003.1	5464.2
35°	7217.6	7237.1	7232.8	7245.8	7174.1	6985.1	6906.9	6898.2	6806.9	6337.6	5711.9
37.5°	7595.6	7619.5	7586.9	7613.0	7584.8	7406.6	7382.7	7339.2	7208.9	6652.7	5972.6
40°	8025.8	8047.5	7995.4	8006.3	7973.7	7873.7	7752.1	7693.4	7500.0	6993.8	6383.3
42.5°	8486.4	8536.4	8560.3	8540.7	8464.7	8408.2	8195.3	8121.4	7960.6	7608.7	7059.0
45°	9153.4	9227.3	9262.0	9212.1	9179.5	9099.1	8838.4	8749.3	8664.6	8475.5	8001.9
47.5°	9872.6	9939.9	10050.7	10072.5	10098.5	10037.7	9670.5	9583.6	9598.8	9577.1	9162.1
50°	10446.1	10502.6	10752.5	11019.7	11241.3	11258.7	10789.4	10696.0	10778.6	10848.1	10559.1
52.5°	10863.3	10913.3	11243.5	11795.4	12297.3	12668.8	12162.5	12056.1	12123.4	12279.9	12147.3
55°	11202.2	11271.8	11617.2	12464.5	13479.2	14065.8	13742.1	13607.4	13579.1	13772.5	13848.5
57.5°	11380.4	11402.1	11886.6	12988.2	14346.1	15436.7	15578.0	15425.9	15156.5	15262.9	15658.4
60°	10974.1	11011.0	11673.7	13122.9	15030.5	16796.8	17505.1	17379.1	16805.5	16864.2	17300.9
62.5°	9850.8	9903.0	10700.3	12481.9	15087.0	17705.0	19284.5	19204.1	18435.0	18117.8	18248.2
65°	7902.0	7919.3	8745.0	10895.9	13963.7	17818.0	20525.1	20505.6	19573.5	18830.4	18272.1
67.5°	4506.1	4475.7	5579.4	7771.6	11523.8	16349.3	20605.5	20720.7	19942.8	18713.1	16751.2
70°	1953.2	1957.6	2466.0	3834.7	7458.7	13214.1	19139.0	19336.7	18873.9	16759.9	13327.1
72.5°	903.8	916.9	1136.3	1659.9	3185.1	8197.4	15606.2	15784.4	15386.8	13414.0	9696.6
75°	638.8	649.6	758.3	951.6	1464.4	3193.8	10439.6	10813.3	11006.7	10033.3	6389.8
77.5°	484.5	499.7	554.0	660.5	903.8	1132.0	4994.9	5885.7	7011.2	6242.1	3291.6
80°	308.5	308.5	367.2	441.0	551.9	588.8	1442.6	1709.9	3430.6	2572.4	1292.7
82.5°	208.6	215.1	249.9	280.3	317.2	334.6	619.2	660.5	990.7	875.6	532.3
85°	110.8	115.2	130.4	128.2	152.1	132.5	260.7	258.5	362.8	397.6	202.1
87.5°	0.0	0.0	2.2	2.2	4.3	6.5	28.2	30.4	76.0	121.7	67.4
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: P640369
 CATALOG NUMBER: GWS-SA5D-760-U-T3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3654.4	3654.4	3654.4	3654.4	3654.4	3654.4	3654.4	3654.4	3654.4	3654.4	3654.4
2.5°	3671.8	3645.7	3658.8	3654.4	3667.4	3667.4	3643.6	3637.0	3639.2	3613.1	3604.4
5°	3704.4	3674.0	3680.5	3671.8	3684.8	3695.7	3684.8	3684.8	3697.9	3678.3	3667.4
7.5°	3778.3	3743.5	3743.5	3732.6	3747.8	3756.5	3747.8	3760.9	3784.8	3765.2	3754.4
10°	3895.6	3854.3	3856.5	3843.4	3850.0	3845.6	3810.8	3800.0	3806.5	3789.1	3780.4
12.5°	4047.7	3991.2	3991.2	3965.1	3949.9	3904.3	3832.6	3806.5	3810.8	3795.6	3789.1
15°	4193.2	4141.1	4130.2	4078.1	4008.6	3923.8	3858.6	3841.3	3845.6	3830.4	3819.5
17.5°	4364.9	4297.5	4258.4	4162.8	4034.6	3947.7	3882.5	3841.3	3806.5	3771.7	3763.0
20°	4523.5	4438.7	4367.0	4219.3	4062.9	3943.4	3821.7	3719.6	3634.9	3589.2	3578.4
22.5°	4686.4	4577.8	4451.8	4258.4	4060.7	3865.2	3641.4	3487.1	3361.1	3293.8	3306.8
25°	4840.7	4703.8	4532.2	4295.3	3991.2	3691.3	3387.2	3156.9	3013.5	2961.3	2946.1
27.5°	4968.9	4799.4	4606.0	4278.0	3847.8	3441.5	3039.6	2783.2	2644.1	2585.5	2570.3
30°	5112.3	4921.1	4712.5	4197.6	3621.8	3091.7	2646.3	2437.7	2337.8	2281.3	2283.5
32.5°	5277.4	5077.5	4862.4	4043.3	3332.9	2713.7	2322.6	2179.2	2098.8	2042.3	2033.6
35°	5499.0	5301.3	4962.4	3810.8	2965.7	2366.0	2101.0	1983.6	1883.7	1809.8	1794.6
37.5°	5772.8	5638.1	4973.2	3500.2	2572.4	2127.0	1942.4	1816.3	1694.7	1596.9	1586.0
40°	6242.1	6087.8	4884.1	3111.2	2237.8	1972.8	1809.8	1664.3	1523.0	1414.4	1399.2
42.5°	6911.2	6594.0	4692.9	2672.4	1985.8	1851.1	1683.8	1499.1	1355.7	1279.7	1268.8
45°	7762.9	7158.9	4406.2	2259.6	1799.0	1731.6	1551.3	1357.9	1281.9	1227.6	1216.7
47.5°	8805.8	7817.2	4075.9	1938.0	1653.4	1623.0	1416.6	1310.1	1242.8	1197.1	1186.3
50°	10052.9	8655.9	3804.3	1686.0	1523.0	1497.0	1373.1	1281.9	1227.6	1190.6	1181.9
52.5°	11476.0	9587.9	3671.8	1505.7	1410.1	1384.0	1357.9	1275.4	1229.7	1201.5	1190.6
55°	12953.4	10570.0	3548.0	1366.6	1314.5	1329.7	1360.1	1297.1	1262.3	1225.4	1214.5
57.5°	14380.8	11491.2	3243.8	1258.0	1244.9	1303.6	1370.9	1318.8	1277.5	1240.6	1227.6
60°	15365.1	11995.3	2728.9	1171.1	1192.8	1271.0	1342.7	1286.2	1234.1	1218.9	1212.3
62.5°	15630.1	11934.4	2118.3	1082.0	1129.8	1199.3	1268.8	1231.9	1177.6	1201.5	1203.7
65°	15010.9	11282.6	1590.4	995.1	1047.2	1105.9	1192.8	1177.6	1158.0	1223.2	1225.4
67.5°	13257.6	9681.4	1212.3	919.0	962.5	1034.2	1168.9	1231.9	1236.2	1318.8	1310.1
70°	10031.2	7232.8	949.5	847.3	897.3	1034.2	1244.9	1273.2	1221.0	1297.1	1279.7
72.5°	6935.1	4773.3	808.2	784.3	816.9	986.4	1242.8	1242.8	1186.3	1186.3	1153.7
75°	4308.4	2807.1	703.9	703.9	703.9	862.5	1208.0	1145.0	1045.0	999.4	973.4
77.5°	2127.0	1364.4	591.0	612.7	588.8	721.3	986.4	936.4	875.6	827.8	810.4
80°	908.2	682.2	478.0	501.9	473.6	543.2	782.2	771.3	712.6	649.6	630.1
82.5°	417.2	352.0	382.4	393.3	345.5	408.5	571.4	571.4	538.8	451.9	419.3
85°	178.2	186.8	265.1	265.1	217.3	230.3	306.3	291.1	260.7	212.9	195.5
87.5°	60.8	91.3	134.7	117.3	45.6	19.6	10.9	4.3	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)