

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: P640320

Luminaire Tested: GWS-SA5D-750-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640320
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-750-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29681.8 lumens
Efficiency: N/A
Efficacy: 145.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

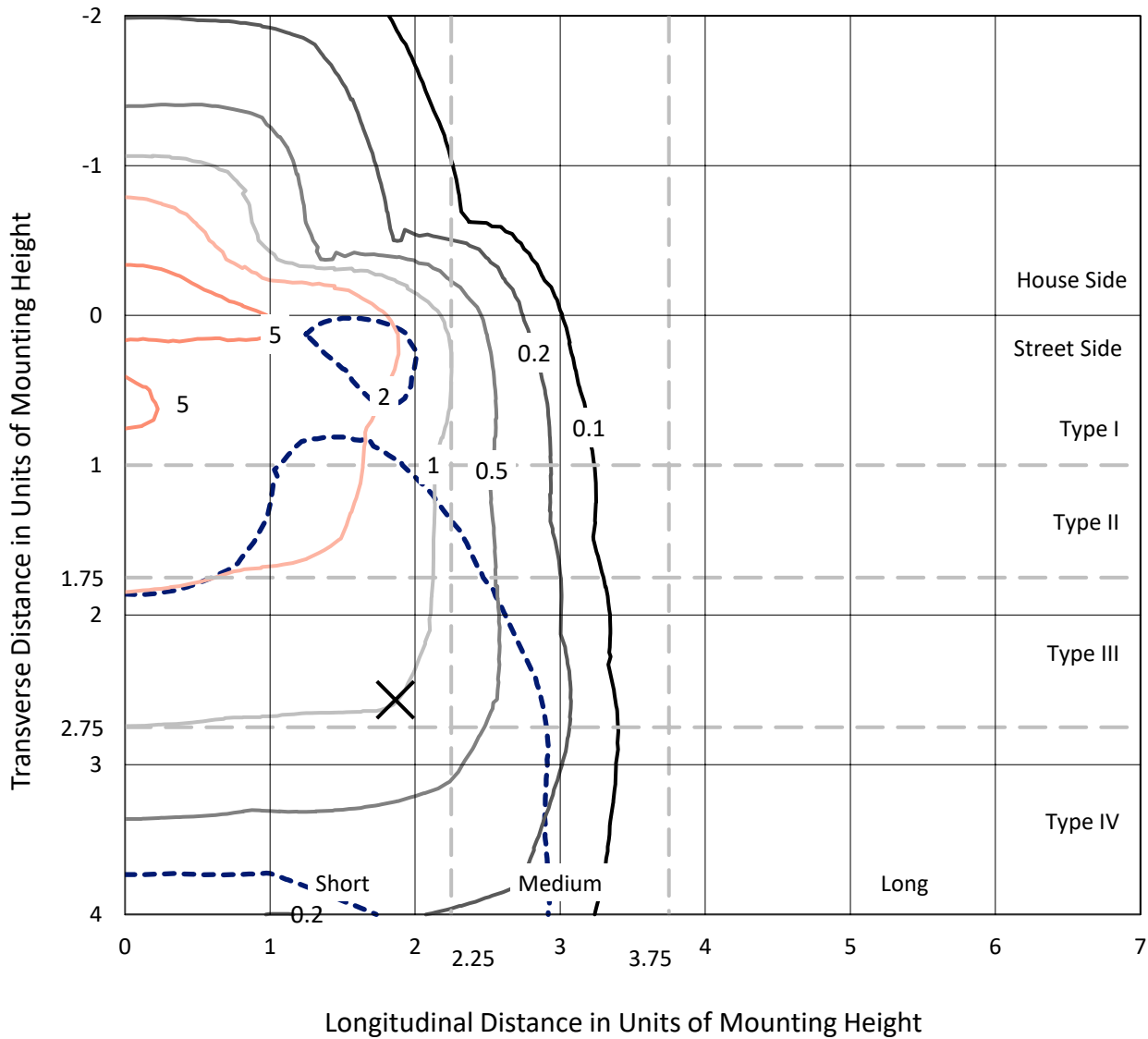
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

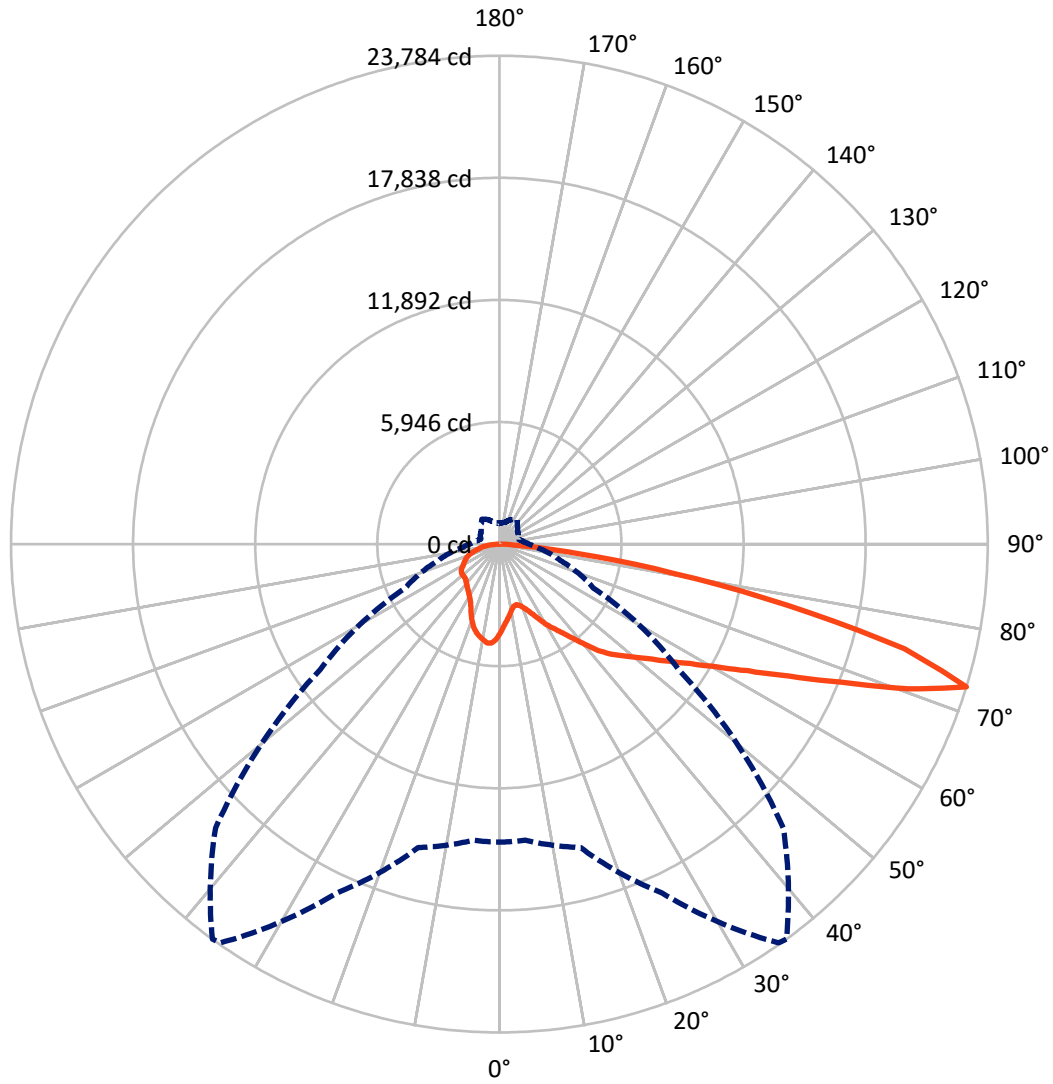
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6842.9	0.0	6842.9
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	22838.9	0.0	22838.9
	% Fixture	76.9	0.0	76.9
Total	Lumens	29681.8	0.0	29681.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	406.0	1.4
10°-20°	1145.6	3.9
20°-30°	1897.3	6.4
30°-40°	2841.4	9.6
40°-50°	4145.3	14.0
50°-60°	5900.1	19.9
60°-70°	7454.3	25.1
70°-80°	5311.8	17.9
80°-90°	579.9	2.0
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°	29681.8	100.0
0°-180°	29681.8	100.0

Coefficient of Utilization



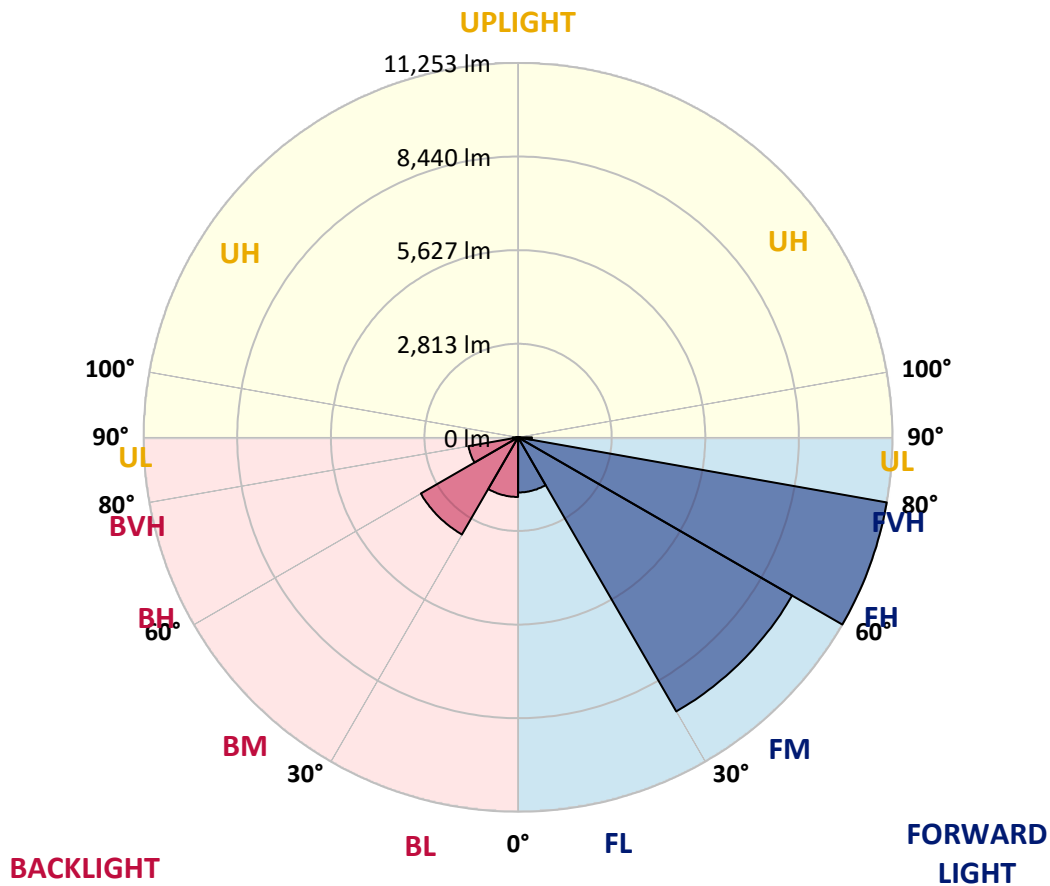
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1657.0	5.6			
FM (30°-60°)	9512.3	32.0			
FH (60°-80°)	11253.3	37.9			G4/12000
FVH (80°-90°)	416.2	1.4			G3/500
BL (0°-30°)	1791.9	6.0	B3/2500		
BM (30°-60°)	3374.5	11.4	B3/5000		
BH (60°-80°)	1512.8	5.1	B3/2500		G3/2500
BVH (80°-90°)	163.7	0.6			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	4344.1	4344.1	4344.1	4344.1	4344.1	4344.1	4344.1	4344.1	4344.1	4344.1	4344.1
2.5°	3963.0	3956.4	3943.1	3982.8	4022.4	4018.0	4073.1	4126.0	4183.3	4242.7	4322.0
5°	3645.8	3641.3	3630.3	3689.8	3749.3	3747.1	3837.4	3923.3	4040.1	4167.8	4326.4
7.5°	3328.5	3317.5	3332.9	3407.8	3491.6	3500.4	3623.7	3764.7	3934.3	4126.0	4350.7
10°	3048.8	3046.6	3053.2	3136.9	3262.5	3271.3	3429.9	3625.9	3850.6	4106.2	4405.7
12.5°	2976.1	2971.7	2954.1	2995.9	3090.6	3103.8	3277.9	3518.0	3793.3	4117.2	4480.6
15°	3095.0	3084.0	3022.3	3002.5	3048.8	3059.8	3207.4	3454.1	3760.3	4137.0	4575.4
17.5°	3299.9	3293.3	3176.5	3095.0	3125.9	3134.7	3244.8	3443.1	3751.5	4176.6	4692.1
20°	3599.5	3570.9	3388.0	3264.7	3264.7	3277.9	3344.0	3491.6	3762.5	4225.1	4824.3
22.5°	3996.0	3938.7	3681.0	3513.6	3469.5	3487.1	3515.8	3612.7	3808.8	4306.6	4989.5
25°	4441.0	4388.1	4081.9	3846.2	3784.5	3791.1	3766.9	3784.5	3910.1	4419.0	5194.4
27.5°	4914.6	4879.4	4553.3	4253.7	4156.8	4156.8	4070.9	4029.1	4051.1	4546.7	5423.5
30°	5337.6	5289.1	5013.7	4685.5	4557.7	4557.7	4394.7	4304.4	4251.5	4703.1	5729.7
32.5°	5560.0	5531.4	5348.6	5097.4	4941.0	4916.8	4775.8	4670.1	4546.7	4934.4	6143.8
35°	5850.8	5844.2	5734.1	5538.0	5339.8	5304.5	5207.6	5123.9	4910.2	5223.0	6694.5
37.5°	6216.5	6205.5	6187.9	6071.1	5833.2	5826.6	5740.7	5639.4	5361.8	5639.4	7362.0
40°	6626.2	6606.4	6584.4	6582.2	6439.0	6414.8	6408.2	6293.6	5905.9	6141.6	8058.1
42.5°	7190.2	7121.9	6914.8	7007.3	7113.1	7091.0	7174.8	7002.9	6584.4	6738.6	8716.8
45°	7884.1	7716.7	7306.9	7333.4	7599.9	7644.0	7934.7	7892.9	7331.2	7428.1	9410.7
47.5°	8300.4	8155.0	7773.9	7751.9	8084.5	8139.6	8771.8	8851.1	8135.2	8258.6	10267.6
50°	8641.9	8540.5	8227.7	8258.6	8611.0	8666.1	9602.3	9771.9	8893.0	9108.9	11263.3
52.5°	9053.8	8908.4	8666.1	8811.5	9243.3	9309.3	10525.3	10708.2	9575.9	10042.9	12294.2
55°	9285.1	9225.6	9230.0	9452.5	9994.4	10084.7	11492.4	11461.5	10201.5	10842.5	13069.6
57.5°	9818.2	9796.2	9998.8	10082.5	10871.2	10987.9	12459.4	12195.1	10769.8	11461.5	13441.9
60°	10758.8	10703.8	10880.0	11007.8	11955.0	12120.2	13538.9	12913.2	11155.3	11921.9	13316.4
62.5°	12080.6	12012.3	12018.9	12221.5	13406.7	13580.7	14739.4	13512.4	11274.3	11992.4	12521.1
65°	13723.9	13624.8	13512.4	13787.8	15334.2	15479.6	16045.7	13948.6	10990.1	11314.0	10860.2
67.5°	15457.6	15376.0	15243.9	15821.0	17830.0	17918.2	17510.6	13911.1	10089.2	9498.8	7617.5
70°	15558.9	15578.7	16204.3	18292.7	21088.1	21110.1	18896.2	13157.8	8170.5	6157.0	3795.5
72.5°	14514.7	14481.7	15296.7	18744.2	23709.5	23784.4	19550.5	10659.7	5049.0	3070.8	1779.9
75°	11789.8	11847.0	12704.0	16400.4	20321.5	20387.6	15937.8	6284.8	2398.9	1502.4	1138.9
77.5°	5075.4	5394.8	7084.4	11554.1	14554.4	14349.5	8214.5	2546.5	1279.9	1070.6	872.3
80°	1464.9	1590.5	2524.5	5494.0	8721.2	8567.0	3251.4	953.8	892.2	804.0	625.6
82.5°	473.6	524.3	925.2	2187.5	3907.9	3903.5	1233.6	563.9	583.8	546.3	403.1
85°	132.2	152.0	284.2	663.1	1209.4	1185.1	356.9	266.5	310.6	315.0	200.5
87.5°	0.0	0.0	2.2	4.4	4.4	4.4	8.8	39.7	90.3	114.5	81.5
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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CATALOG NUMBER: GWS-SA5D-750-U-T4FT-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4344.1	4344.1	4344.1	4344.1	4344.1	4344.1	4344.1	4344.1	4344.1	4344.1	4344.1
2.5°	4370.5	4363.9	4454.2	4524.7	4590.8	4634.8	4648.1	4656.9	4674.5	4683.3	4674.5
5°	4401.3	4434.4	4584.2	4694.3	4782.4	4835.3	4837.5	4833.1	4846.3	4835.3	4828.7
7.5°	4467.4	4531.3	4720.8	4837.5	4894.8	4897.0	4844.1	4782.4	4751.6	4725.2	4716.3
10°	4555.5	4650.3	4857.3	4934.4	4916.8	4835.3	4718.6	4621.6	4566.6	4526.9	4518.1
12.5°	4676.7	4782.4	4978.5	4976.3	4866.1	4720.8	4584.2	4467.4	4388.1	4341.9	4326.4
15°	4791.2	4925.6	5066.6	4963.1	4789.0	4612.8	4436.6	4280.2	4174.4	4101.7	4088.5
17.5°	4932.2	5075.4	5130.5	4921.2	4692.1	4465.2	4229.5	4024.6	3881.5	3795.5	3788.9
20°	5095.2	5223.0	5161.3	4848.5	4566.6	4269.2	3949.8	3720.7	3566.5	3482.7	3489.3
22.5°	5284.7	5377.2	5170.1	4749.4	4392.5	3991.6	3634.7	3414.5	3310.9	3266.9	3269.1
25°	5487.4	5546.8	5154.7	4615.0	4126.0	3652.4	3310.9	3209.6	3200.8	3189.8	3194.2
27.5°	5727.5	5714.3	5108.5	4425.6	3766.9	3258.0	3084.0	3110.5	3145.7	3141.3	3145.7
30°	6049.1	5923.5	5049.0	4163.4	3339.6	2927.6	2949.6	3024.5	3070.8	3075.2	3088.4
32.5°	6417.0	6154.8	4954.3	3806.6	2932.0	2742.6	2824.1	2914.4	2969.5	2980.5	2998.1
35°	6855.3	6419.2	4786.8	3361.6	2639.0	2632.4	2707.3	2769.0	2828.5	2832.9	2832.9
37.5°	7359.8	6683.5	4520.3	2870.3	2458.4	2537.7	2608.2	2621.4	2636.8	2623.6	2630.2
40°	7822.4	6939.0	4141.4	2423.2	2310.8	2454.0	2513.5	2469.4	2421.0	2387.9	2394.5
42.5°	8210.1	7113.1	3639.1	2110.4	2161.0	2379.1	2425.4	2335.0	2240.3	2178.6	2187.5
45°	8646.3	7273.9	3048.8	1898.9	2033.3	2326.2	2357.1	2240.3	2119.2	2026.6	2013.4
47.5°	9247.7	7602.1	2524.5	1751.3	1942.9	2297.6	2348.3	2189.7	2031.0	1892.3	1876.8
50°	9990.0	8066.9	2086.1	1654.4	1901.1	2282.2	2346.1	2134.6	1945.1	1782.1	1771.1
52.5°	10800.7	8520.7	1762.3	1579.5	1859.2	2235.9	2335.0	2072.9	1854.8	1678.6	1665.4
55°	11340.4	8699.1	1544.2	1509.0	1790.9	2163.2	2291.0	2013.4	1718.2	1557.4	1537.6
57.5°	11499.0	8470.0	1392.2	1445.1	1702.8	2061.9	2207.3	1887.9	1634.5	1506.8	1491.3
60°	11225.8	7892.9	1297.5	1392.2	1605.9	1931.9	2061.9	1815.2	1568.4	1453.9	1442.9
62.5°	10454.8	7002.9	1224.8	1337.1	1506.8	1795.3	1969.4	1727.1	1495.8	1405.4	1390.0
65°	8904.0	5742.9	1165.3	1279.9	1412.0	1665.4	1868.0	1638.9	1416.4	1348.2	1330.5
67.5°	6227.5	4033.5	1101.4	1211.6	1317.3	1539.8	1762.3	1557.4	1334.9	1284.3	1266.7
70°	3044.4	2139.0	1024.3	1132.3	1216.0	1412.0	1656.6	1458.3	1227.0	1198.4	1174.1
72.5°	1449.5	1196.2	934.0	1024.3	1077.2	1242.4	1480.3	1315.1	1099.2	1037.6	995.7
75°	971.5	850.3	815.1	896.6	909.8	1042.0	1268.9	1134.5	969.3	898.8	863.5
77.5°	735.8	649.8	685.1	757.8	731.4	856.9	1044.2	1011.1	874.5	810.7	793.0
80°	517.7	473.6	544.1	588.2	568.3	729.2	940.6	865.7	720.3	649.8	636.6
82.5°	326.0	317.2	400.9	407.5	414.1	577.2	773.2	680.7	559.5	460.4	427.4
85°	163.0	180.6	240.1	240.1	237.9	297.4	440.6	383.3	301.8	240.1	233.5
87.5°	55.1	77.1	103.5	83.7	63.9	50.7	57.3	70.5	74.9	72.7	72.7
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)