

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: P640304

Luminaire Tested: GWS-SA5D-750-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-750-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25619.7 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

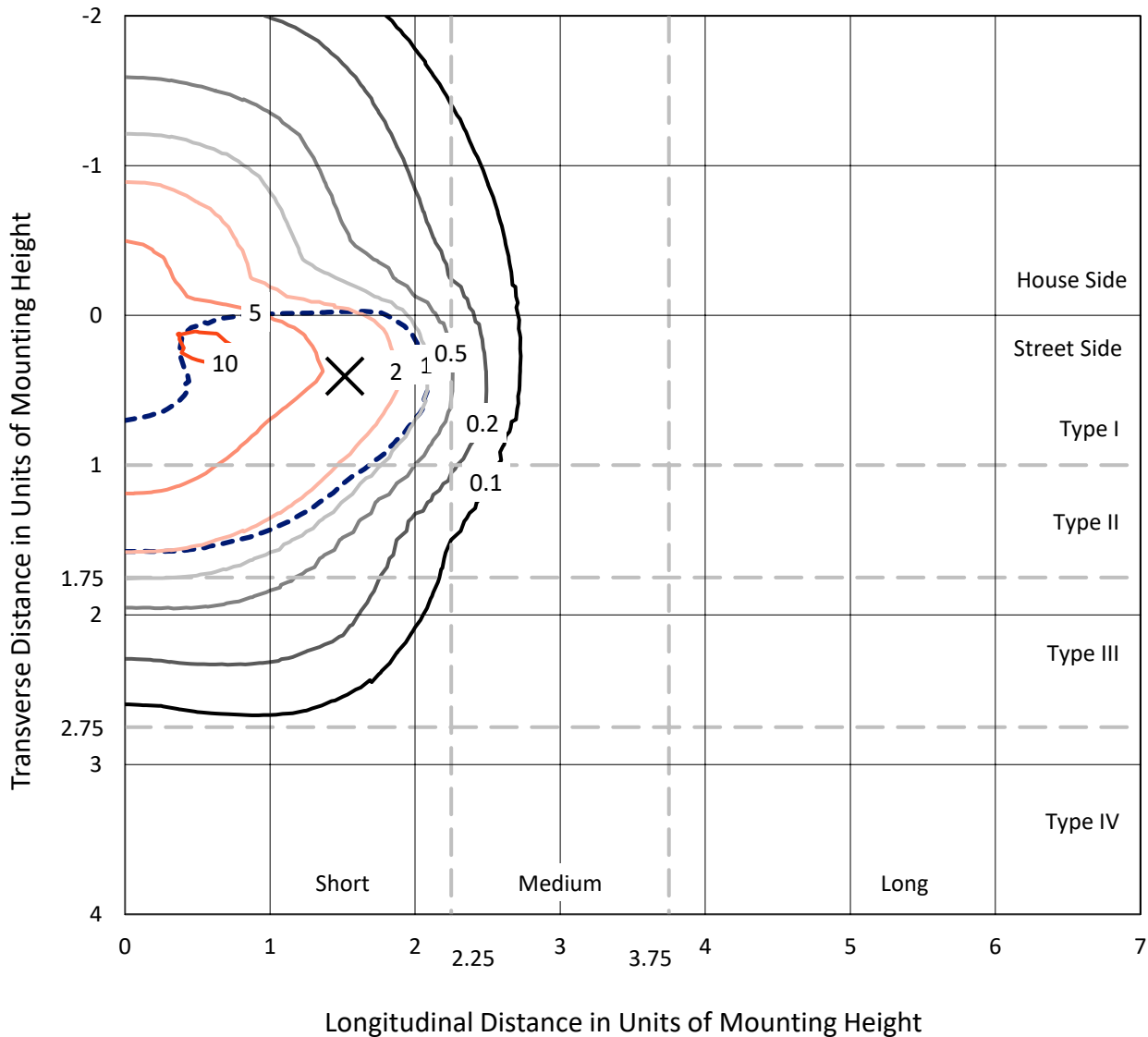
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

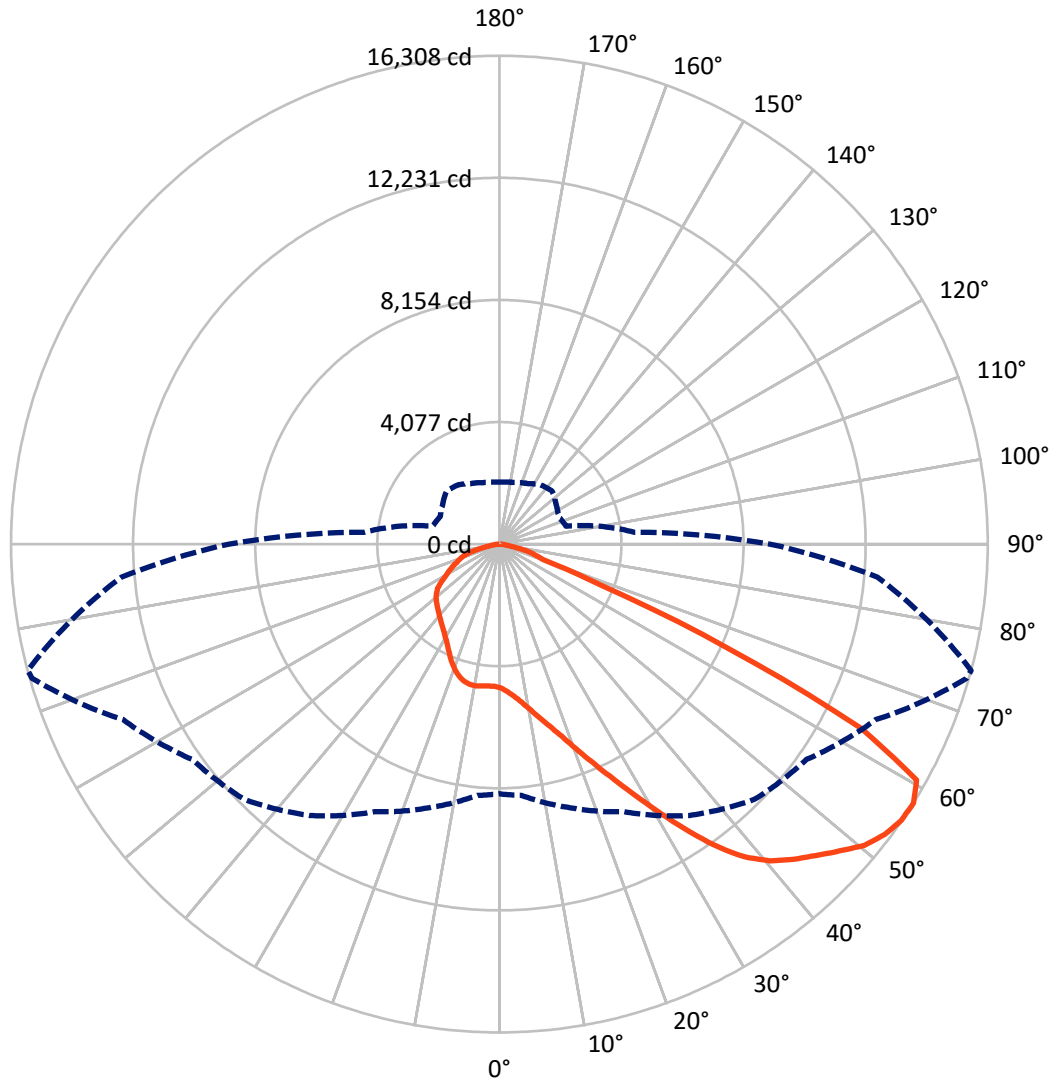
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6930.6	0.0	6930.6
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	18689.0	0.0	18689.0
	% Fixture	72.9	0.0	72.9
Total	Lumens	25619.7	0.0	25619.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	480.1	1.9
10°-20°	1528.6	6.0
20°-30°	2711.0	10.6
30°-40°	4150.1	16.2
40°-50°	5778.6	22.6
50°-60°	6621.2	25.8
60°-70°	3402.1	13.3
70°-80°	856.5	3.3
80°-90°	91.6	0.4
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°	25619.7	100.0
0°-180°	25619.7	100.0

Coefficient of Utilization

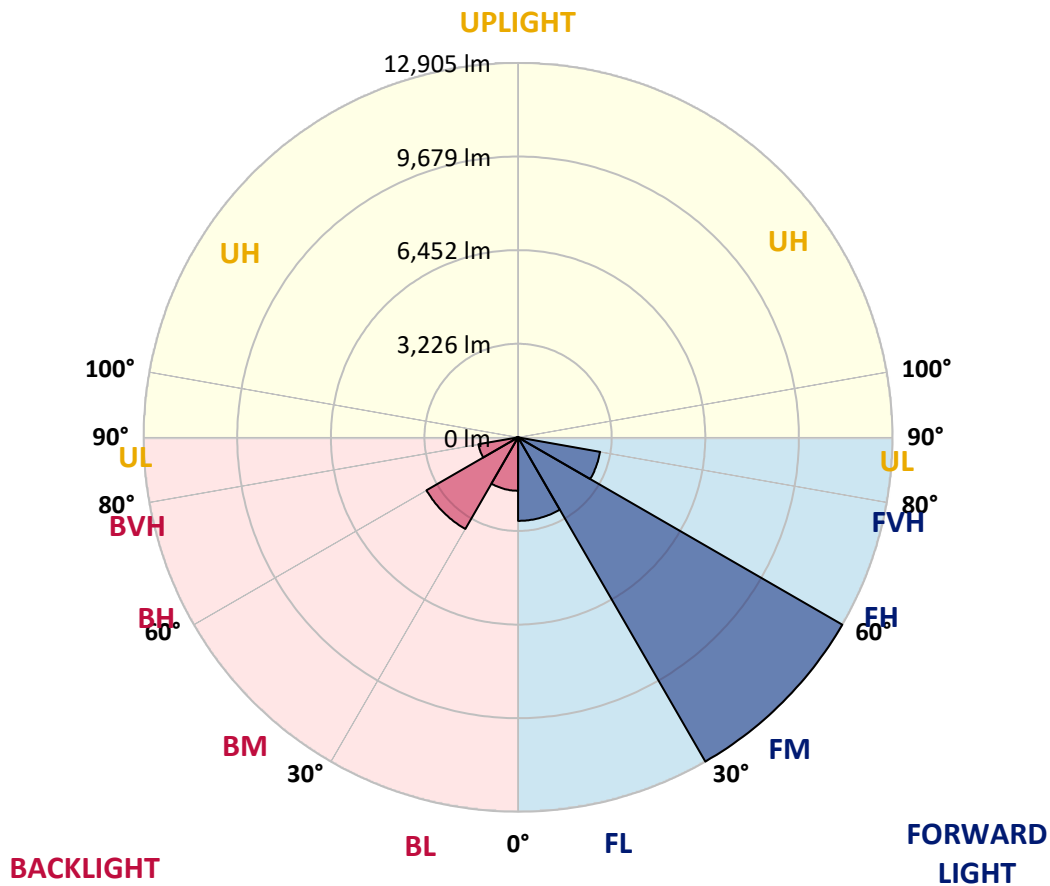


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2878.5	11.2			
FM (30°-60°)	12904.9	50.4			
FH (60°-80°)	2871.7	11.2			G2/5000
FVH (80°-90°)	33.9	0.1			G1/100
BL (0°-30°)	1841.2	7.2	B3/2500		
BM (30°-60°)	3644.9	14.2	B3/5000		
BH (60°-80°)	1386.9	5.4	B3/2500		G3/2500
BVH (80°-90°)	57.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	4798.0	4798.0	4798.0	4798.0	4798.0	4798.0	4798.0	4798.0	4798.0	4798.0	4798.0
2.5°	5154.8	5168.0	5154.8	5176.9	5132.8	5113.0	5064.5	4991.8	4934.5	4925.7	4861.8
5°	5555.8	5584.4	5566.8	5558.0	5498.5	5454.4	5381.7	5236.3	5117.4	5099.8	4974.2
7.5°	5813.5	5833.3	5833.3	5839.9	5817.9	5767.2	5690.1	5518.3	5350.9	5324.5	5135.0
10°	5899.4	5914.8	5943.5	5998.5	6042.6	6058.0	6007.4	5842.1	5637.3	5610.8	5346.5
12.5°	5919.2	5936.9	5980.9	6082.3	6203.4	6313.6	6322.4	6201.2	5972.1	5943.5	5591.0
15°	5956.7	5974.3	6033.8	6159.4	6337.8	6549.3	6679.2	6595.5	6342.2	6311.4	5868.6
17.5°	5952.3	5972.1	6060.2	6227.6	6467.8	6774.0	7025.1	7060.4	6798.2	6745.3	6183.6
20°	5941.3	5958.9	6053.6	6258.5	6555.9	6976.6	7430.4	7613.3	7331.3	7282.8	6551.5
22.5°	6029.4	6049.2	6121.9	6291.5	6602.1	7133.0	7804.9	8245.5	7963.5	7895.3	6974.4
25°	6227.6	6256.3	6300.3	6417.1	6685.9	7271.8	8188.2	8961.5	8672.9	8591.4	7434.8
27.5°	6533.9	6569.1	6630.8	6685.9	6873.1	7448.1	8569.3	9763.3	9474.7	9388.8	7921.7
30°	6908.3	6954.6	7033.9	7071.4	7199.1	7708.0	8983.5	10589.4	10422.0	10303.0	8470.2
32.5°	7426.0	7489.9	7564.8	7575.8	7652.9	8102.3	9393.2	11408.9	11406.7	11323.0	9093.6
35°	8100.1	8168.4	8183.8	8199.3	8236.7	8644.2	9888.9	12155.7	12444.3	12347.4	9772.1
37.5°	8835.9	8935.0	8959.3	8891.0	8943.8	9296.3	10446.2	12754.9	13347.5	13243.9	10428.6
40°	9622.3	9662.0	9728.1	9620.1	9686.2	10043.1	10992.6	13138.2	14021.6	13911.4	10946.3
42.5°	10186.3	10259.0	10358.1	10318.5	10355.9	10681.9	11375.9	13323.2	14501.8	14391.7	11318.6
45°	10798.7	10820.7	10884.6	10875.8	10897.8	11201.8	11651.2	13404.8	14931.4	14832.2	11635.8
47.5°	11331.8	11364.9	11406.7	11358.2	11309.8	11508.0	11875.9	13475.2	15427.0	15308.1	11968.5
50°	11845.1	11873.7	11924.4	11783.4	11602.8	11653.4	11986.1	13572.2	15891.8	15808.1	12230.6
52.5°	11939.8	11970.7	12208.6	12237.2	12005.9	11827.5	12179.9	13785.9	16165.0	16112.1	12325.3
55°	10748.0	10803.1	11276.7	11820.9	12391.4	12334.1	12490.5	13898.2	16273.0	16286.2	12494.9
57.5°	8342.4	8421.8	9113.5	9860.3	11060.8	12054.4	12530.2	13869.6	16235.5	16308.2	12669.0
60°	5472.0	5518.3	6337.8	7174.9	8419.6	9794.2	11215.1	13354.1	15902.9	16006.4	12624.9
62.5°	3304.4	3357.2	4015.9	4650.4	5383.9	6302.5	7606.7	10732.6	13329.9	13561.2	10111.4
65°	2306.5	2376.9	2954.1	3476.2	3729.5	3540.1	3852.9	5994.1	8305.0	8401.9	6179.2
67.5°	1672.0	1720.5	2194.1	2815.3	3095.1	2500.3	1905.5	2654.5	3617.2	3652.4	2548.8
70°	1094.9	1149.9	1579.5	2143.4	2526.7	2026.7	1425.3	1436.3	1522.2	1539.8	1480.4
72.5°	601.4	634.4	975.9	1423.1	1493.6	1211.6	1112.5	1194.0	1253.5	1253.5	1268.9
75°	310.6	339.2	398.7	469.2	566.1	663.1	801.9	923.0	986.9	991.3	984.7
77.5°	158.6	169.6	213.7	231.3	253.3	295.2	383.3	491.3	548.5	570.6	566.1
80°	74.9	79.3	90.3	105.7	130.0	165.2	207.1	246.7	282.0	286.4	310.6
82.5°	39.7	44.1	48.5	57.3	70.5	88.1	121.2	145.4	167.4	171.8	191.7
85°	15.4	17.6	19.8	22.0	30.8	37.4	50.7	68.3	83.7	83.7	99.1
87.5°	0.0	0.0	0.0	0.0	2.2	4.4	8.8	11.0	15.4	15.4	26.4
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°	4798.0	4798.0	4798.0	4798.0	4798.0	4798.0	4798.0	4798.0	4798.0	4798.0	4798.0
2.5°	4846.4	4782.5	4753.9	4707.6	4670.2	4628.3	4595.3	4571.1	4555.6	4546.8	4538.0
5°	4925.7	4828.8	4751.7	4659.2	4595.3	4533.6	4482.9	4447.7	4430.1	4416.8	4408.0
7.5°	5049.1	4919.1	4773.7	4630.5	4518.2	4419.1	4355.2	4317.7	4293.5	4284.7	4278.1
10°	5218.7	5038.1	4798.0	4571.1	4403.6	4295.7	4251.6	4234.0	4236.2	4231.8	4229.6
12.5°	5410.4	5163.6	4791.3	4465.3	4280.3	4216.4	4218.6	4247.2	4280.3	4289.1	4291.3
15°	5617.4	5287.0	4727.5	4328.7	4183.3	4189.9	4247.2	4315.5	4377.2	4401.4	4405.8
17.5°	5842.1	5390.5	4610.7	4178.9	4104.0	4174.5	4280.3	4392.6	4482.9	4522.6	4533.6
20°	6093.3	5478.7	4445.5	4031.3	4029.1	4145.9	4300.1	4447.7	4562.2	4615.1	4623.9
22.5°	6359.8	5533.7	4242.8	3894.8	3952.0	4108.4	4284.7	4438.9	4560.0	4612.9	4623.9
25°	6628.6	5551.4	4020.3	3769.2	3872.7	4049.0	4209.8	4333.1	4447.7	4494.0	4502.8
27.5°	6879.7	5500.7	3808.8	3661.2	3800.0	3960.8	4068.8	4134.9	4214.2	4249.4	4256.0
30°	7135.3	5399.4	3630.4	3575.3	3718.5	3839.7	3888.1	3892.6	3923.4	3923.4	3927.8
32.5°	7393.0	5249.6	3474.0	3491.6	3617.2	3696.5	3703.1	3652.4	3615.0	3553.3	3551.1
35°	7690.4	5097.6	3346.2	3396.9	3498.2	3546.7	3526.9	3429.9	3339.6	3238.3	3233.9
37.5°	7965.8	4941.1	3238.3	3300.0	3363.9	3399.1	3352.8	3236.1	3161.2	3057.6	3042.2
40°	8192.7	4800.2	3134.8	3198.6	3229.5	3260.3	3185.4	3090.7	3101.7	3044.4	3042.2
42.5°	8324.8	4663.6	3037.8	3086.3	3106.1	3128.1	3062.1	2991.6	3051.0	3007.0	3009.2
45°	8421.8	4544.6	2949.7	2967.3	3015.8	3048.8	2987.2	2907.9	2921.1	2751.4	2711.8
47.5°	8531.9	4478.5	2866.0	2848.4	2934.3	2991.6	2896.8	2782.3	2703.0	2535.6	2520.1
50°	8648.7	4454.3	2777.9	2729.4	2833.0	2888.0	2777.9	2634.7	2531.2	2440.8	2432.0
52.5°	8688.3	4452.1	2667.7	2586.2	2689.8	2766.9	2674.3	2528.9	2405.6	2317.5	2313.1
55°	8844.7	4516.0	2526.7	2390.2	2487.1	2645.7	2577.4	2368.1	2269.0	2229.4	2224.9
57.5°	9027.6	4527.0	2304.3	2176.5	2310.9	2498.1	2412.2	2231.6	2123.6	2075.1	2070.7
60°	8952.7	4256.0	2066.3	2013.5	2161.1	2359.3	2280.0	2123.6	1998.0	1951.8	1947.4
62.5°	6822.4	3004.8	1892.3	1872.5	2000.2	2158.9	2143.4	1980.4	1861.5	1828.4	1824.0
65°	4104.0	2110.4	1724.9	1722.7	1813.0	1965.0	1984.8	1852.7	1727.1	1680.8	1680.8
67.5°	2028.9	1614.7	1535.4	1524.4	1581.7	1689.6	1773.3	1665.4	1559.7	1515.6	1509.0
70°	1434.1	1423.1	1396.6	1365.8	1376.8	1420.9	1456.1	1365.8	1253.5	1209.4	1200.6
72.5°	1240.2	1242.4	1224.8	1200.6	1191.8	1160.9	1130.1	1064.0	995.7	949.5	953.9
75°	962.7	967.1	978.1	969.3	945.1	912.0	879.0	795.3	740.2	696.1	687.3
77.5°	561.7	583.8	619.0	610.2	614.6	568.4	555.1	473.6	423.0	392.1	385.5
80°	317.2	330.4	345.9	356.9	343.7	323.8	295.2	251.1	235.7	213.7	209.3
82.5°	191.7	204.9	211.5	220.3	215.9	189.5	167.4	138.8	125.6	114.6	112.3
85°	96.9	105.7	112.3	116.8	103.5	85.9	77.1	61.7	52.9	46.3	46.3
87.5°	24.2	26.4	30.8	26.4	24.2	11.0	8.8	2.2	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)