

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: P635064

Luminaire Tested: GWS-SA3D-722-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635064
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-722-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10855.6 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

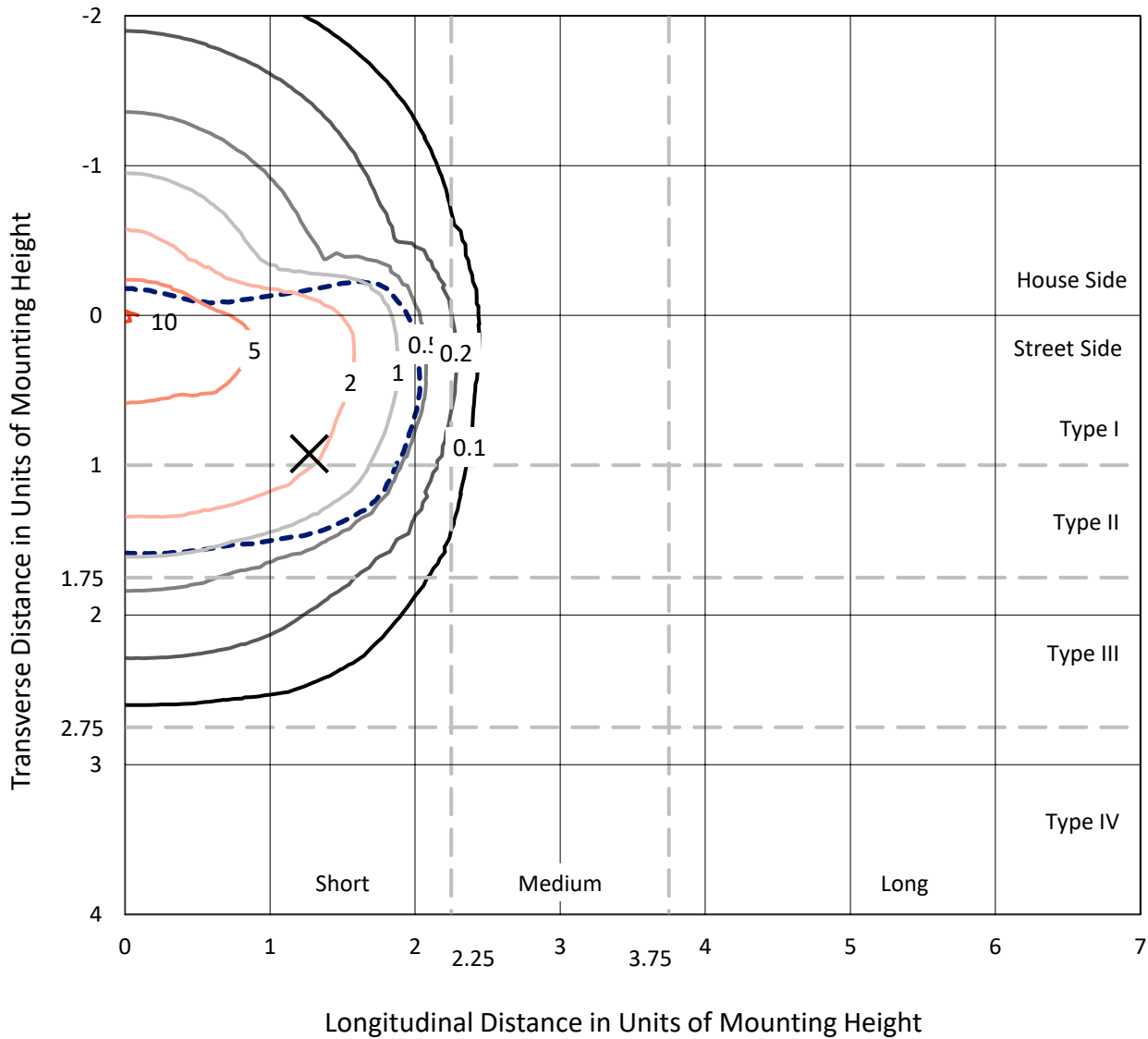
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

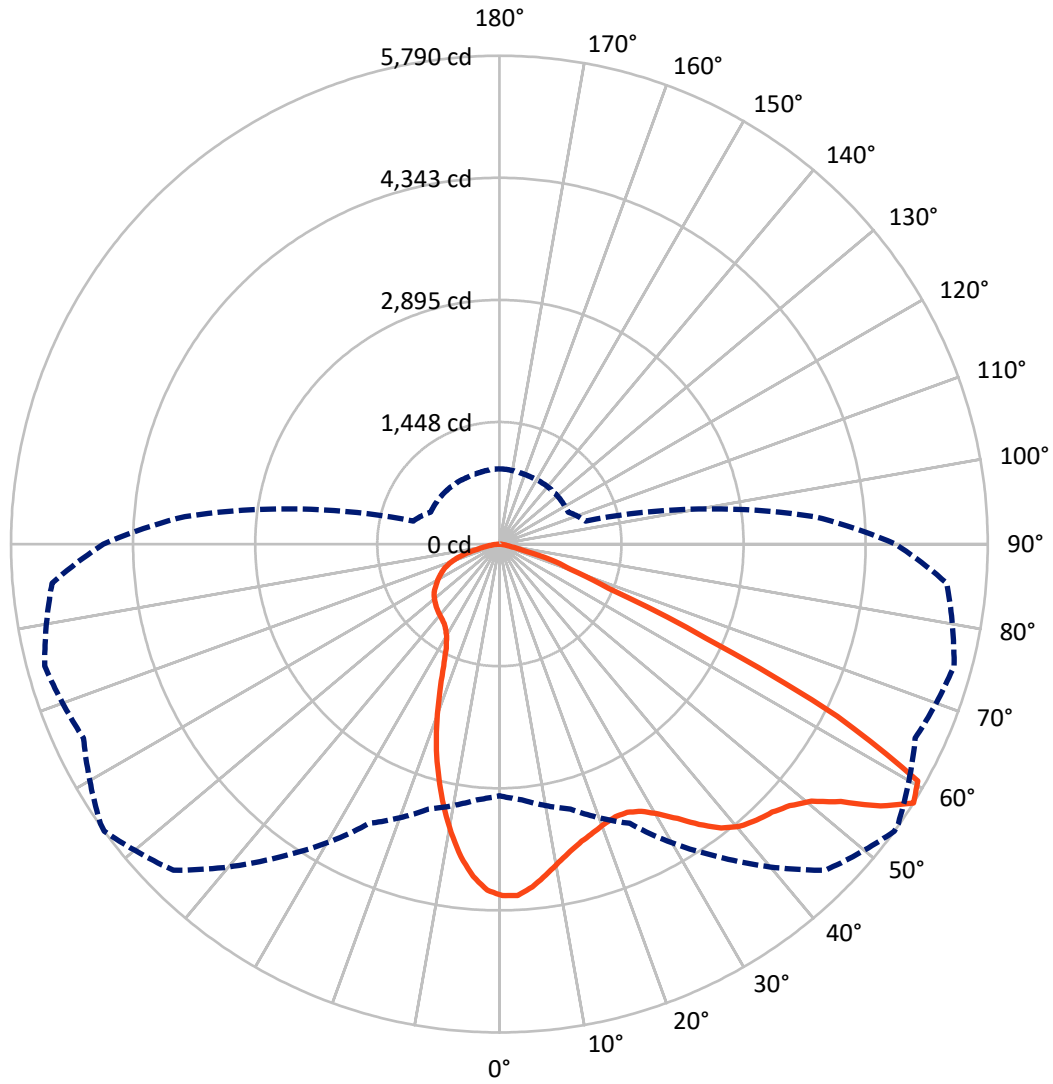
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3155.9	0.0	3155.9
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	7699.8	0.0	7699.8
	% Fixture	70.9	0.0	70.9
Total	Lumens	10855.6	0.0	10855.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	366.3	3.4
10°-20°	874.1	8.1
20°-30°	1209.7	11.1
30°-40°	1680.8	15.5
40°-50°	2219.9	20.4
50°-60°	2638.0	24.3
60°-70°	1461.5	13.5
70°-80°	363.9	3.4
80°-90°	41.4	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°	10855.6	100.0
0°-180°	10855.6	100.0

Coefficient of Utilization



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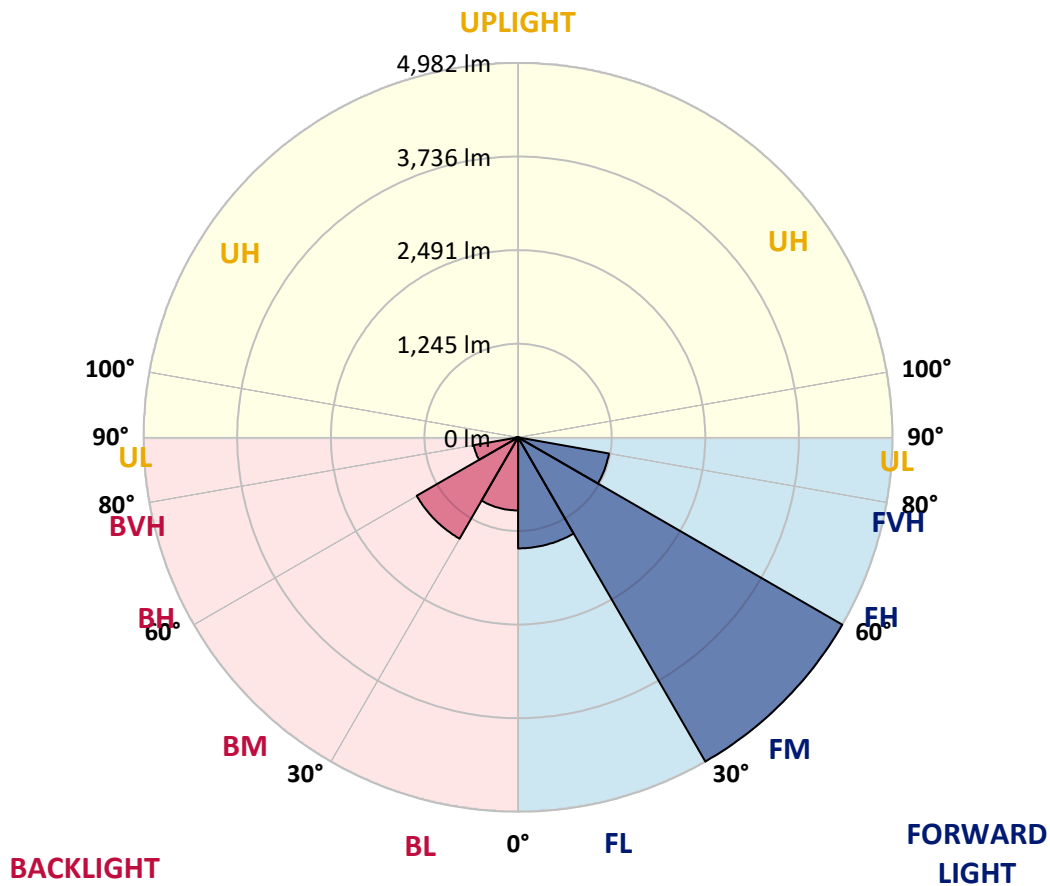
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1477.6	13.6			
FM (30°-60°)	4981.8	45.9			
FH (60°-80°)	1227.4	11.3			G1/1800
FVH (80°-90°)	12.9	0.1			G1/100
BL (0°-30°)	972.5	9.0	B2/1000		
BM (30°-60°)	1556.9	14.3	B2/2500		
BH (60°-80°)	598.1	5.5	B2/1000		G2/1000
BVH (80°-90°)	28.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	4167.7	4167.7	4167.7	4167.7	4167.7	4167.7	4167.7	4167.7	4167.7	4167.7	4167.7
2.5°	4089.7	4098.0	4103.6	4123.1	4139.8	4154.7	4170.5	4170.5	4169.6	4166.8	4161.2
5°	3928.0	3937.3	3950.3	3977.2	4013.5	4039.5	4082.2	4085.9	4104.5	4112.0	4108.2
7.5°	3740.3	3743.0	3759.8	3795.1	3852.7	3899.2	3960.5	3967.9	4012.5	4038.5	4033.9
10°	3534.9	3525.6	3555.3	3607.4	3682.6	3760.7	3839.7	3846.2	3917.7	3967.0	3963.3
12.5°	3347.2	3348.1	3377.8	3441.0	3534.9	3631.5	3737.5	3752.3	3840.6	3903.8	3897.3
15°	3190.1	3193.9	3230.1	3301.6	3408.5	3523.7	3655.7	3669.6	3781.1	3864.8	3846.2
17.5°	3064.7	3068.4	3100.0	3181.8	3296.1	3435.5	3596.2	3610.2	3748.6	3848.0	3809.9
20°	2978.3	2976.4	3007.1	3085.1	3203.1	3354.6	3544.2	3564.6	3738.4	3854.6	3785.8
22.5°	2943.0	2942.0	2964.3	3028.4	3139.0	3292.4	3512.6	3540.5	3749.5	3883.4	3770.9
25°	2960.6	2956.9	2976.4	3023.8	3112.1	3268.2	3521.9	3551.6	3796.9	3942.8	3773.7
27.5°	3015.4	3010.8	3027.5	3070.3	3137.2	3293.3	3586.9	3621.3	3897.3	4051.6	3810.9
30°	3099.1	3096.3	3113.0	3153.9	3212.4	3376.9	3711.4	3750.5	4052.5	4220.7	3891.7
32.5°	3196.6	3192.0	3221.7	3269.1	3337.0	3529.3	3878.7	3929.8	4236.5	4438.1	4027.4
35°	3306.3	3302.6	3343.5	3412.2	3509.8	3741.2	4081.3	4137.0	4424.2	4684.4	4207.7
37.5°	3413.2	3413.2	3492.1	3594.4	3717.0	3971.6	4271.8	4307.1	4554.3	4902.8	4401.0
40°	3507.9	3513.5	3632.5	3785.8	3941.9	4179.8	4397.2	4427.0	4611.9	5053.3	4569.1
42.5°	3612.9	3617.6	3756.1	3956.8	4142.6	4348.0	4473.4	4488.3	4623.0	5128.6	4688.1
45°	3696.6	3703.1	3875.0	4089.7	4317.3	4474.4	4533.8	4546.8	4638.8	5169.4	4774.5
47.5°	3740.3	3749.5	3946.5	4196.5	4435.3	4587.7	4633.3	4638.8	4703.9	5241.0	4878.6
50°	3732.8	3751.4	3973.5	4249.5	4522.7	4702.0	4793.1	4802.4	4836.8	5346.0	5000.3
52.5°	3798.8	3807.2	4031.1	4312.7	4647.2	4913.0	5070.9	5084.0	5068.2	5425.0	5072.8
55°	3689.1	3729.1	3959.6	4303.4	4836.8	5239.1	5482.6	5476.1	5278.2	5513.3	5193.6
57.5°	2983.8	3042.4	3253.3	3652.9	4524.5	5467.7	5790.2	5774.4	5440.8	5581.1	5324.6
60°	2065.7	2075.0	2265.5	2548.9	3492.1	4830.3	5700.1	5734.4	5470.5	5495.6	5082.1
62.5°	1652.2	1649.4	1667.1	1674.5	2220.9	3395.5	4499.5	4624.9	4545.0	4282.0	3601.8
65°	1410.6	1420.8	1472.9	1445.9	1449.6	1912.4	2688.3	2706.0	2650.2	2555.5	1905.0
67.5°	1104.0	1121.6	1213.6	1318.6	1285.2	1231.3	1394.8	1386.4	1092.8	845.6	698.8
70°	691.4	702.5	801.0	1035.2	1118.8	1011.0	896.7	893.0	585.4	481.4	527.8
72.5°	403.3	405.2	433.0	577.1	742.5	691.4	659.8	635.6	376.3	383.8	421.0
75°	222.1	222.1	221.2	249.0	292.7	259.3	250.9	244.4	251.8	285.3	313.2
77.5°	46.5	47.4	50.2	66.0	85.5	104.1	131.0	132.0	164.5	190.5	212.8
80°	21.4	22.3	27.9	35.3	45.5	60.4	79.9	80.8	99.4	119.9	134.7
82.5°	11.2	12.1	14.9	18.6	24.2	31.6	44.6	44.6	59.5	70.6	79.9
85°	3.7	3.7	5.6	7.4	10.2	13.0	17.7	17.7	26.0	34.4	40.0
87.5°	0.0	0.0	0.0	0.0	0.9	1.9	3.7	3.7	4.6	5.6	9.3
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°	4167.7	4167.7	4167.7	4167.7	4167.7	4167.7	4167.7	4167.7	4167.7	4167.7	4167.7
2.5°	4149.1	4120.3	4121.2	4126.8	4109.2	4082.2	4064.6	4042.3	4028.3	4025.5	4035.8
5°	4089.7	4056.2	4033.0	4008.8	3958.6	3899.2	3852.7	3814.6	3789.5	3780.2	3769.1
7.5°	4007.9	3964.2	3905.7	3837.8	3746.8	3640.8	3566.5	3496.8	3448.5	3434.5	3428.0
10°	3926.1	3862.9	3758.8	3632.5	3481.0	3337.9	3203.1	3100.0	3018.2	2971.8	2986.6
12.5°	3841.5	3763.5	3600.9	3406.7	3195.7	2980.1	2803.6	2632.6	2500.6	2434.6	2415.1
15°	3767.2	3661.3	3434.5	3171.5	2890.9	2619.6	2364.0	2107.6	1940.3	1849.2	1824.1
17.5°	3704.0	3566.5	3258.9	2931.8	2596.3	2209.8	1895.7	1657.8	1543.5	1493.3	1489.6
20°	3641.8	3473.6	3085.1	2673.5	2256.2	1823.2	1542.6	1431.1	1390.2	1372.5	1371.6
22.5°	3586.0	3376.0	2902.1	2415.1	1918.0	1532.3	1378.1	1329.8	1318.6	1318.6	1316.8
25°	3538.6	3278.4	2714.4	2141.0	1612.3	1364.1	1292.6	1272.2	1276.8	1285.2	1286.1
27.5°	3519.1	3202.2	2533.2	1859.4	1401.3	1266.6	1234.1	1231.3	1244.3	1257.3	1259.1
30°	3539.5	3150.2	2347.3	1590.0	1274.9	1207.1	1192.2	1197.8	1213.6	1226.6	1226.6
32.5°	3602.7	3124.2	2157.7	1393.0	1201.5	1165.3	1160.6	1166.2	1178.3	1185.7	1186.7
35°	3709.6	3134.4	1961.7	1260.1	1154.1	1134.6	1133.7	1137.4	1142.1	1146.7	1147.6
37.5°	3844.3	3179.9	1751.6	1182.9	1123.5	1112.3	1110.5	1109.5	1110.5	1110.5	1111.4
40°	3976.3	3248.7	1563.9	1137.4	1102.1	1092.8	1088.2	1081.7	1080.7	1078.9	1077.9
42.5°	4073.9	3301.6	1414.3	1104.9	1082.6	1071.4	1065.9	1055.6	1054.7	1053.8	1052.8
45°	4147.3	3346.2	1289.8	1073.3	1062.1	1051.9	1039.8	1030.5	1032.4	1034.3	1034.3
47.5°	4230.0	3385.3	1198.7	1043.6	1037.0	1026.8	1012.0	1005.5	1012.0	1018.5	1018.5
50°	4330.3	3440.1	1124.4	1013.8	1011.0	998.9	985.9	983.2	990.6	999.9	999.9
52.5°	4403.7	3487.5	1071.4	984.1	984.1	968.3	957.1	956.2	964.6	973.9	974.8
55°	4541.3	3598.1	1052.8	949.7	946.0	933.9	925.5	919.0	929.3	937.6	937.6
57.5°	4696.5	3744.9	1057.5	900.4	895.8	892.1	885.6	878.1	880.9	890.2	891.2
60°	4367.5	3460.5	1006.4	851.2	848.4	846.6	838.2	825.2	828.9	836.3	837.3
62.5°	3050.7	2299.9	814.0	789.9	799.2	798.2	787.1	772.2	773.1	783.4	783.4
65°	1583.5	1244.3	714.6	734.1	748.1	742.5	723.9	710.9	709.0	722.0	719.2
67.5°	683.0	679.3	650.5	675.6	690.4	678.4	658.8	637.5	639.3	644.0	640.3
70°	550.1	566.8	578.9	605.9	618.0	595.7	574.3	562.2	552.0	551.0	544.5
72.5°	439.5	462.8	489.7	517.6	521.3	499.0	472.1	460.9	445.1	444.2	437.7
75°	330.8	350.3	371.7	394.0	394.0	372.6	355.0	349.4	330.8	325.2	319.7
77.5°	225.8	237.9	254.6	260.2	265.8	257.4	239.7	230.5	209.1	203.5	196.1
80°	142.2	150.5	160.8	164.5	170.1	159.8	145.9	135.7	120.8	116.2	112.4
82.5°	85.5	91.1	97.6	99.4	104.1	96.6	83.6	76.2	67.8	64.1	61.3
85°	43.7	46.5	50.2	51.1	50.2	42.7	38.1	34.4	28.8	27.9	26.0
87.5°	11.2	13.0	13.9	13.0	12.1	9.3	6.5	4.6	1.9	1.9	0.9
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)