

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: P642512

Luminaire Tested: GWS-SA6D-722-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642512
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-722-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22520.7 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

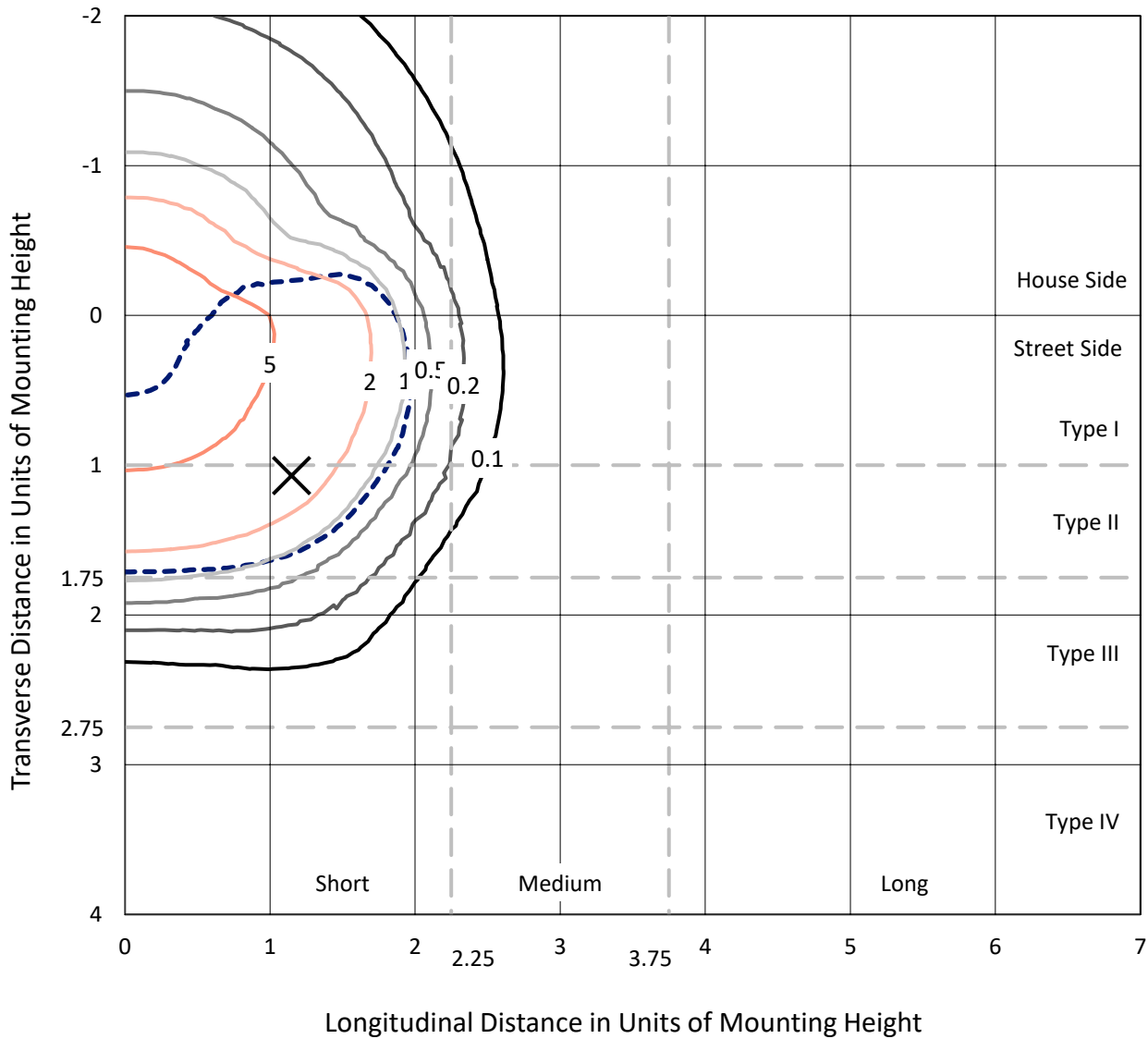
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

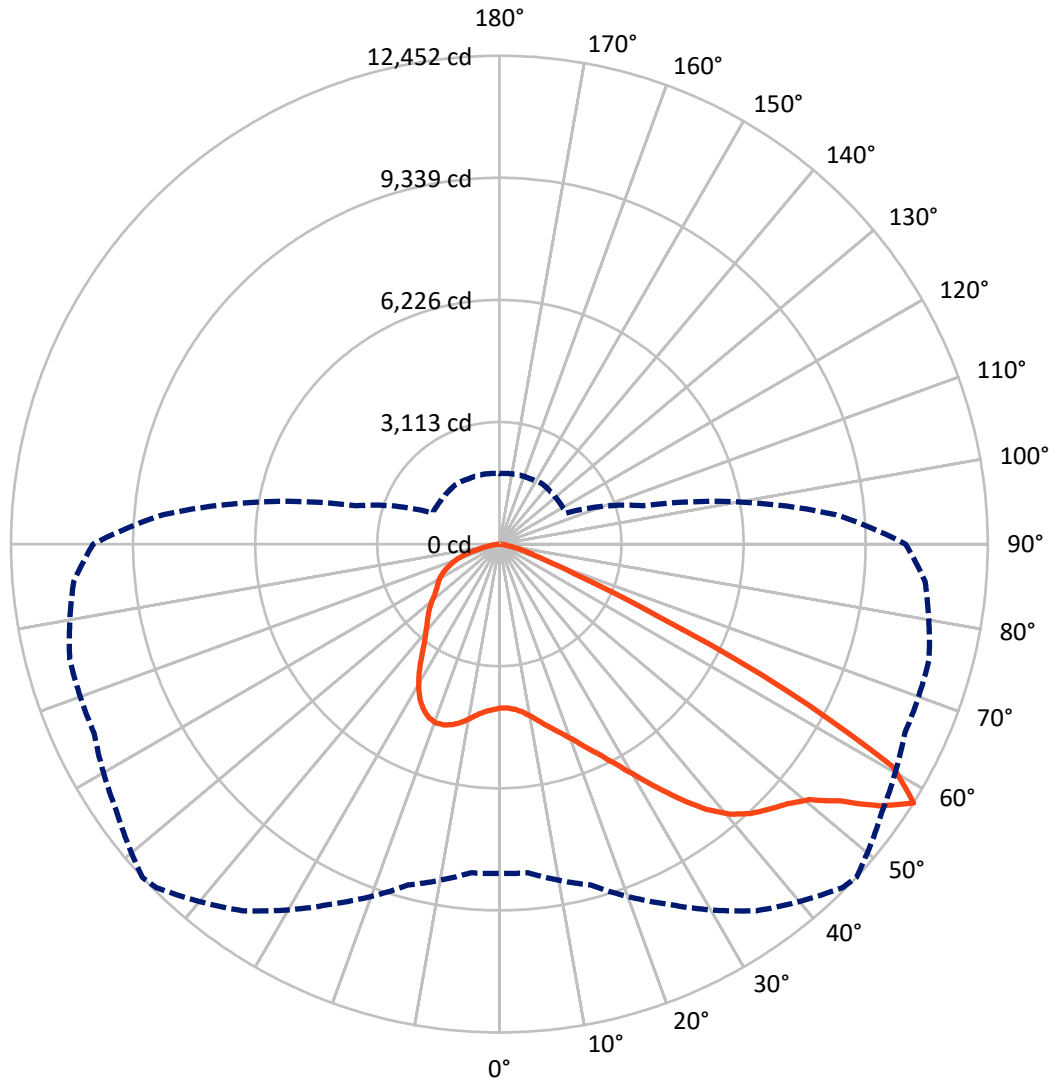
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7127.7	0.0	7127.7
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	15392.9	0.0	15392.9
	% Fixture	68.4	0.0	68.4
Total	Lumens	22520.7	0.0	22520.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	411.9	1.8
10°-20°	1354.9	6.0
20°-30°	2439.6	10.8
30°-40°	3684.7	16.4
40°-50°	4961.9	22.0
50°-60°	5962.4	26.5
60°-70°	2903.8	12.9
70°-80°	715.4	3.2
80°-90°	86.0	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°	22520.7	100.0
0°-180°	22520.7	100.0

Coefficient of Utilization



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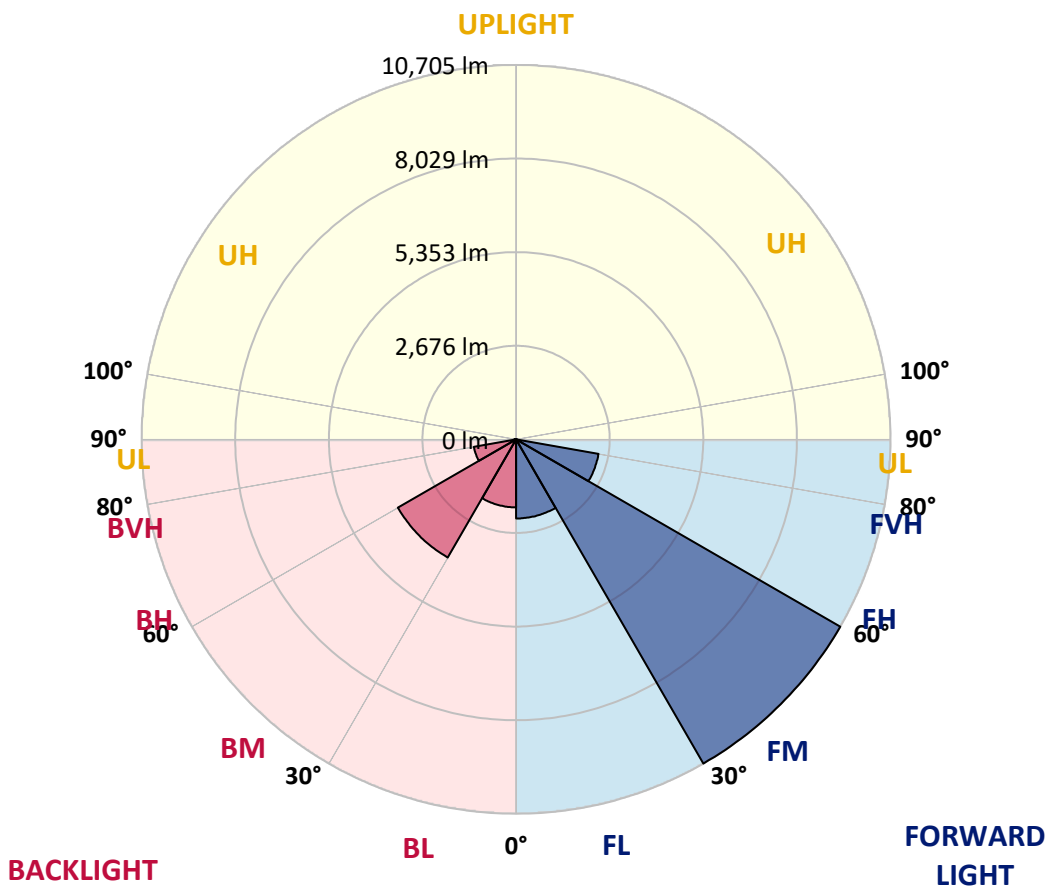
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2262.1	10.0			
FM (30°-60°)	10705.3	47.5			
FH (60°-80°)	2393.3	10.6			G2/5000
FVH (80°-90°)	32.3	0.1			G1/100
BL (0°-30°)	1944.3	8.6	B3/2500		
BM (30°-60°)	3903.8	17.3	B3/5000		
BH (60°-80°)	1225.9	5.4	B3/2500		G3/2500
BVH (80°-90°)	53.7	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°	47°	55°	65°	75°	85°
0°	4176.5	4176.5	4176.5	4176.5	4176.5	4176.5	4176.5	4176.5	4176.5	4176.5	4176.5
2.5°	4168.9	4167.0	4167.0	4178.4	4178.4	4182.2	4187.8	4193.5	4195.4	4186.0	4165.1
5°	4214.3	4214.3	4214.3	4223.8	4223.8	4227.6	4235.1	4237.0	4235.1	4220.0	4199.2
7.5°	4286.2	4286.2	4288.1	4299.4	4308.9	4314.6	4327.8	4325.9	4320.3	4295.7	4269.2
10°	4403.5	4409.2	4414.8	4428.1	4447.0	4460.2	4469.7	4469.7	4462.1	4424.3	4390.2
12.5°	4569.9	4577.5	4583.2	4594.5	4609.7	4632.4	4653.2	4653.2	4643.7	4596.4	4545.3
15°	4764.8	4772.3	4770.4	4774.2	4802.6	4834.7	4851.8	4863.1	4866.9	4800.7	4721.3
17.5°	4988.0	4995.5	4988.0	4976.6	4980.4	5031.5	5061.7	5103.3	5127.9	5039.0	4912.3
20°	5190.4	5182.8	5182.8	5190.4	5201.7	5264.1	5309.5	5377.6	5407.9	5300.1	5103.3
22.5°	5404.1	5421.1	5413.6	5413.6	5459.0	5563.0	5617.8	5706.7	5738.9	5598.9	5334.1
25°	5680.3	5695.4	5691.6	5695.4	5748.4	5895.9	5950.8	6115.3	6147.5	5947.0	5589.5
27.5°	5982.9	6007.5	6018.8	6015.1	6100.2	6293.1	6361.2	6590.1	6648.7	6336.6	5861.8
30°	6376.3	6402.8	6412.3	6408.5	6508.8	6771.7	6849.2	7110.3	7193.5	6798.2	6208.0
32.5°	6832.2	6858.7	6887.1	6898.4	7027.0	7295.6	7407.2	7677.7	7796.9	7331.6	6626.0
35°	7284.3	7307.0	7361.8	7450.7	7626.6	7900.9	7999.3	8266.0	8381.4	7885.8	7131.1
37.5°	7783.6	7798.8	7846.1	7969.0	8222.5	8483.5	8581.9	8837.2	8850.5	8421.1	7702.3
40°	8330.3	8330.3	8320.8	8441.9	8706.7	8969.6	9054.7	9202.3	9124.7	8833.4	8258.4
42.5°	8793.7	8786.2	8793.7	8907.2	9103.9	9317.7	9391.4	9363.1	9264.7	9149.3	8761.6
45°	9211.7	9217.4	9285.5	9372.5	9474.7	9601.4	9644.9	9484.1	9395.2	9402.8	9164.5
47.5°	9495.5	9501.2	9660.0	9805.7	9868.1	9907.8	9888.9	9665.7	9620.3	9705.4	9474.7
50°	9533.3	9563.6	9837.8	10136.7	10291.8	10297.5	10244.5	9972.1	9958.9	10055.4	9641.1
52.5°	9540.9	9571.1	9913.5	10452.6	10855.5	10940.6	10880.1	10596.3	10458.3	10361.8	9845.4
55°	9512.5	9546.5	9924.9	10664.4	11436.2	11776.7	11782.3	11381.3	10940.6	10876.3	10428.0
57.5°	8398.4	8411.6	8998.0	10125.4	11413.5	12378.2	12451.9	11907.2	11404.0	11343.5	10895.2
60°	5850.5	5903.5	6540.9	8029.5	9588.2	11288.6	11527.0	11368.1	11031.4	10590.7	9347.9
62.5°	2930.0	2975.4	3614.7	5022.0	6612.8	7955.8	8211.1	8379.5	8458.9	7986.0	6365.0
65°	1261.6	1295.7	1692.9	2623.6	3743.3	4392.1	4481.0	4683.4	5179.0	4621.0	3429.3
67.5°	843.6	866.3	1068.7	1600.2	2205.5	2247.1	2233.9	2277.4	2385.2	1969.1	1549.2
70°	646.9	665.8	802.0	1172.7	1585.1	1356.2	1284.3	1165.2	1265.4	1290.0	1256.0
72.5°	469.1	484.2	586.4	800.1	993.1	866.3	855.0	915.5	1051.7	1089.5	1068.7
75°	302.6	310.2	372.6	438.8	512.6	556.1	578.8	688.5	826.6	855.0	830.4
77.5°	202.4	208.1	244.0	281.8	291.3	293.2	300.8	349.9	444.5	497.5	491.8
80°	105.9	105.9	119.2	119.2	136.2	162.7	170.2	202.4	245.9	272.4	274.3
82.5°	41.6	43.5	51.1	56.7	68.1	83.2	88.9	105.9	128.6	147.5	164.6
85°	17.0	18.9	20.8	24.6	30.3	37.8	39.7	45.4	60.5	75.7	85.1
87.5°	0.0	0.0	1.9	1.9	3.8	5.7	5.7	7.6	9.5	17.0	22.7
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°	4176.5	4176.5	4176.5	4176.5	4176.5	4176.5	4176.5	4176.5	4176.5	4176.5	4176.5
2.5°	4189.7	4165.1	4189.7	4197.3	4218.1	4225.7	4212.4	4210.5	4210.5	4191.6	4186.0
5°	4218.1	4195.4	4220.0	4231.4	4261.6	4280.5	4284.3	4299.4	4308.9	4301.3	4299.4
7.5°	4288.1	4259.7	4286.2	4303.2	4343.0	4373.2	4386.5	4420.5	4445.1	4441.3	4439.4
10°	4411.0	4373.2	4403.5	4431.9	4475.4	4511.3	4513.2	4532.1	4556.7	4549.1	4545.3
12.5°	4552.9	4517.0	4551.0	4579.4	4630.5	4645.6	4621.0	4613.4	4617.2	4607.8	4600.2
15°	4726.9	4675.9	4706.1	4738.3	4766.7	4749.6	4696.7	4675.9	4674.0	4660.7	4653.2
17.5°	4901.0	4836.6	4859.3	4876.4	4863.1	4810.2	4744.0	4708.0	4691.0	4664.5	4656.9
20°	5073.1	4991.7	4988.0	4974.7	4914.2	4817.7	4728.8	4656.9	4613.4	4577.5	4564.3
22.5°	5269.8	5156.3	5099.6	5039.0	4906.6	4749.6	4615.3	4513.2	4443.2	4397.8	4382.7
25°	5481.7	5320.9	5203.6	5082.5	4831.0	4604.0	4416.7	4276.7	4193.5	4144.3	4127.3
27.5°	5691.6	5470.3	5294.4	5088.2	4679.6	4394.0	4142.4	3953.3	3870.1	3830.3	3817.1
30°	5975.3	5668.9	5402.2	5014.4	4481.0	4102.7	3788.7	3597.7	3542.8	3514.5	3503.1
32.5°	6302.6	5920.5	5546.0	4859.3	4227.6	3762.3	3431.2	3298.8	3261.0	3206.1	3204.3
35°	6733.8	6279.9	5682.2	4630.5	3907.9	3397.2	3157.0	3062.4	2994.3	2907.3	2899.7
37.5°	7237.0	6728.2	5755.9	4339.2	3535.3	3096.4	2952.7	2846.8	2737.0	2621.7	2606.5
40°	7757.2	7252.1	5761.6	3994.9	3170.2	2897.8	2776.8	2638.7	2502.5	2373.9	2356.8
42.5°	8303.8	7740.1	5661.3	3597.7	2871.3	2725.7	2602.7	2428.7	2275.5	2188.5	2179.0
45°	8791.8	8133.6	5434.4	3179.7	2650.0	2581.9	2424.9	2237.7	2156.3	2093.9	2080.7
47.5°	9175.8	8394.6	5127.9	2805.1	2470.3	2434.4	2230.1	2133.6	2071.2	2014.5	2001.2
50°	9365.0	8453.2	4728.8	2500.6	2303.9	2260.4	2120.4	2046.6	2005.0	1959.6	1948.3
52.5°	9599.5	8519.4	4384.6	2245.2	2141.2	2082.6	2029.6	1971.0	1940.7	1912.3	1902.9
55°	10138.6	8769.1	4203.0	2041.0	1986.1	1959.6	1952.1	1902.9	1893.4	1874.5	1857.5
57.5°	10358.0	8608.3	3773.6	1874.5	1863.2	1866.9	1885.9	1840.5	1831.0	1808.3	1797.0
60°	8330.3	6506.9	2555.5	1730.7	1761.0	1785.6	1804.5	1759.1	1745.9	1742.1	1727.0
62.5°	5337.9	4002.5	1783.7	1596.5	1641.8	1672.1	1683.5	1640.0	1630.5	1660.8	1662.7
65°	2778.7	2180.9	1447.0	1452.7	1490.5	1535.9	1558.6	1543.5	1539.7	1571.9	1573.8
67.5°	1418.6	1333.5	1261.6	1282.5	1312.7	1371.4	1424.3	1490.5	1513.2	1517.0	1518.9
70°	1208.7	1170.9	1134.9	1148.2	1180.3	1212.5	1263.5	1295.7	1257.9	1248.4	1244.6
72.5°	1029.0	1000.6	983.6	998.7	1015.8	1010.1	994.9	1010.1	1015.8	1017.6	1019.5
75°	800.1	779.3	766.1	768.0	768.0	747.2	718.8	701.8	682.8	667.7	667.7
77.5°	489.9	493.7	506.9	505.0	503.1	495.6	467.2	452.1	406.7	393.4	393.4
80°	279.9	285.6	298.9	302.6	302.6	293.2	264.8	247.8	227.0	217.5	215.6
82.5°	170.2	177.8	185.4	189.2	191.0	179.7	155.1	141.9	130.5	121.1	121.1
85°	88.9	92.7	100.3	102.1	96.5	85.1	71.9	66.2	54.9	53.0	53.0
87.5°	24.6	26.5	30.3	24.6	22.7	17.0	9.5	7.6	3.8	1.9	1.9
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)