

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: P643713

Luminaire Tested: GWS-SA6F-740-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643713
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGF-740-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29563.4 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

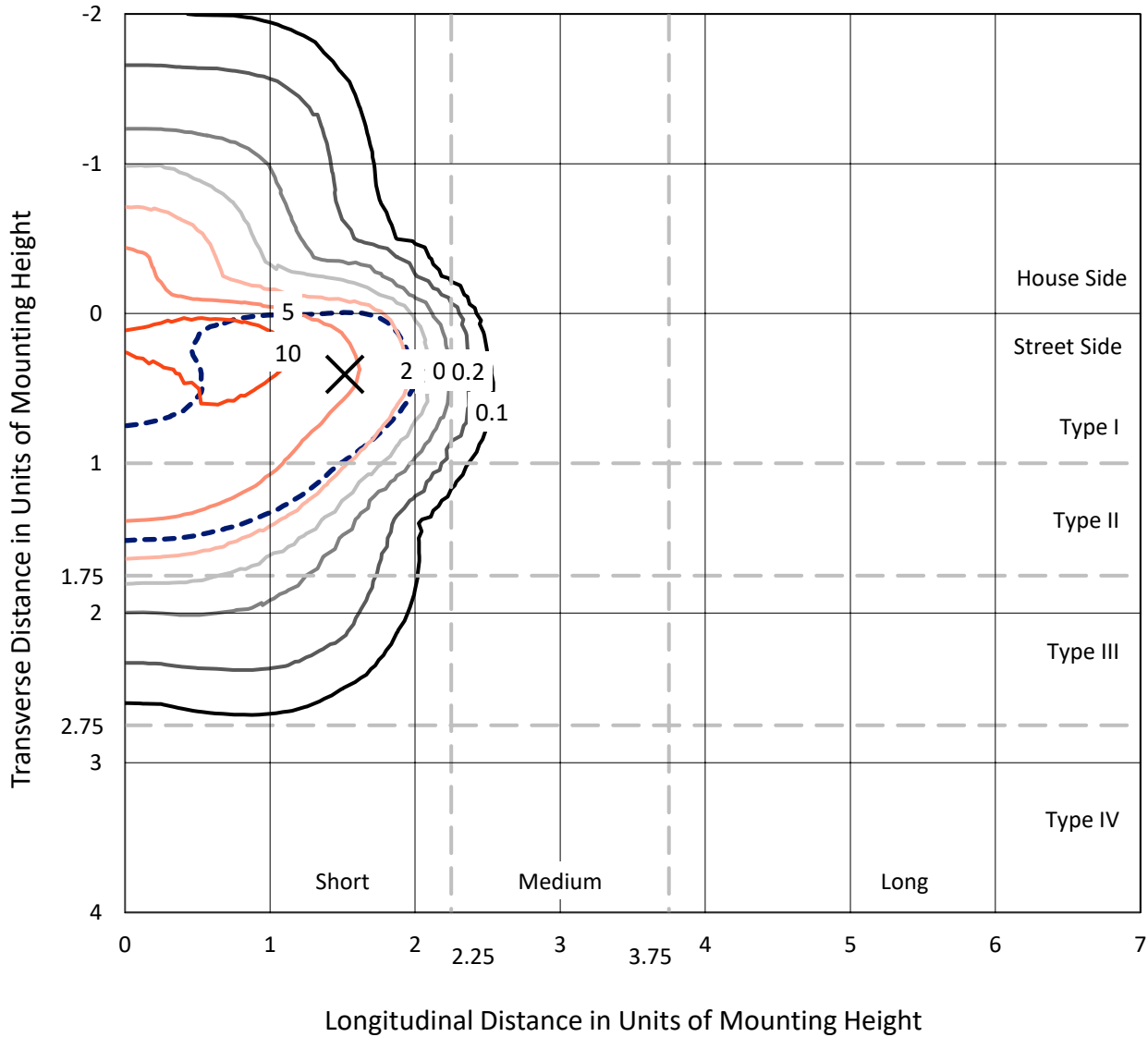
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643713
 CATALOG NUMBER: GWS-SA6F-740-U-T2-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

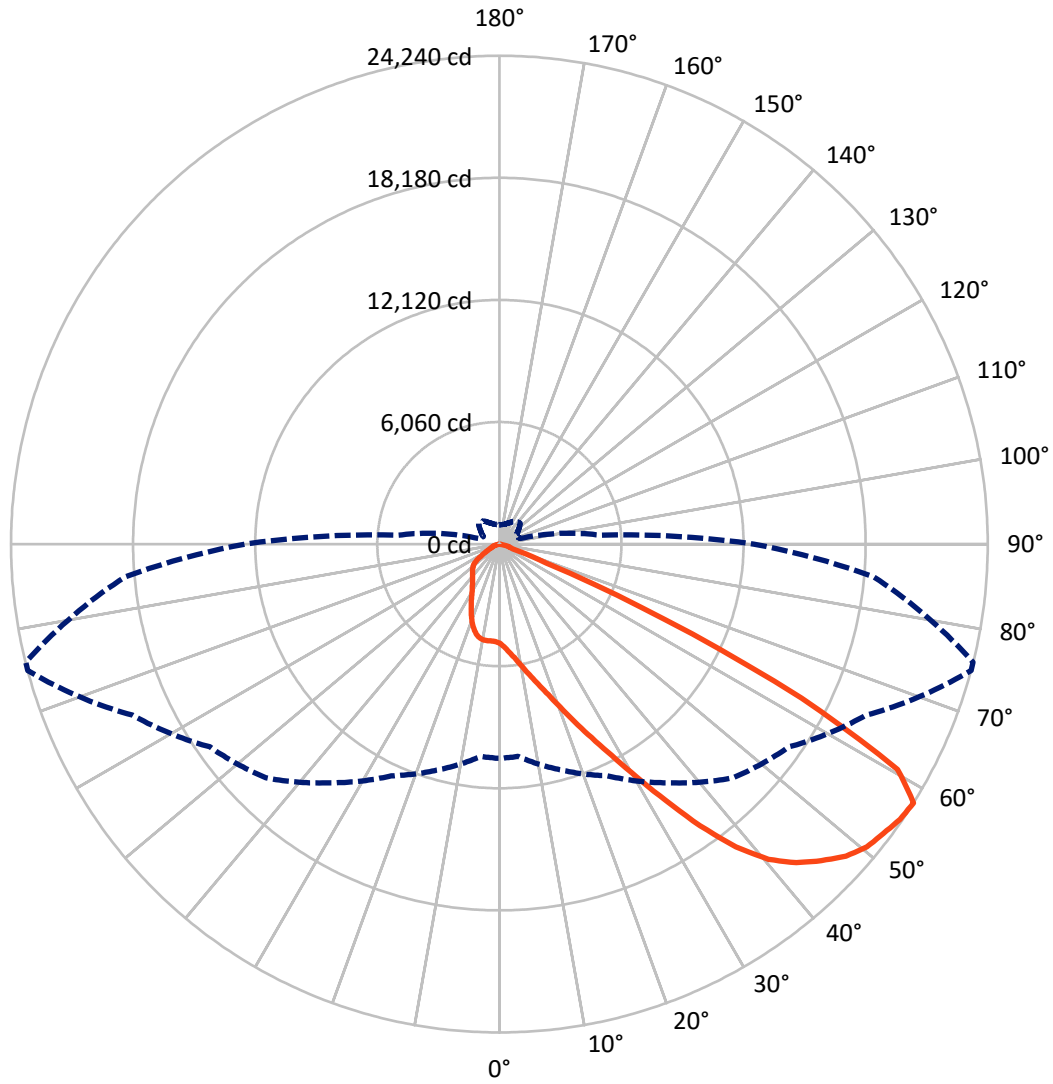
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.7 fc
 Type II - Short - N/A

REPORT NUMBER: P643713
CATALOG NUMBER: GWS-SA6F-740-U-T2-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P643713
 CATALOG NUMBER: GWS-SA6F-740-U-T2-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4829.1	0.0	4829.1
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	24734.3	0.0	24734.3
	% Fixture	83.7	0.0	83.7
Total	Lumens	29563.4	0.0	29563.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	501.7	1.7
10°-20°	1629.9	5.5
20°-30°	2984.7	10.1
30°-40°	4951.9	16.8
40°-50°	7562.8	25.6
50°-60°	8498.1	28.7
60°-70°	3134.5	10.6
70°-80°	299.6	1.0
80°-90°	0.2	0.0
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°	29563.4	100.0
0°-180°	29563.4	100.0

Coefficient of Utilization



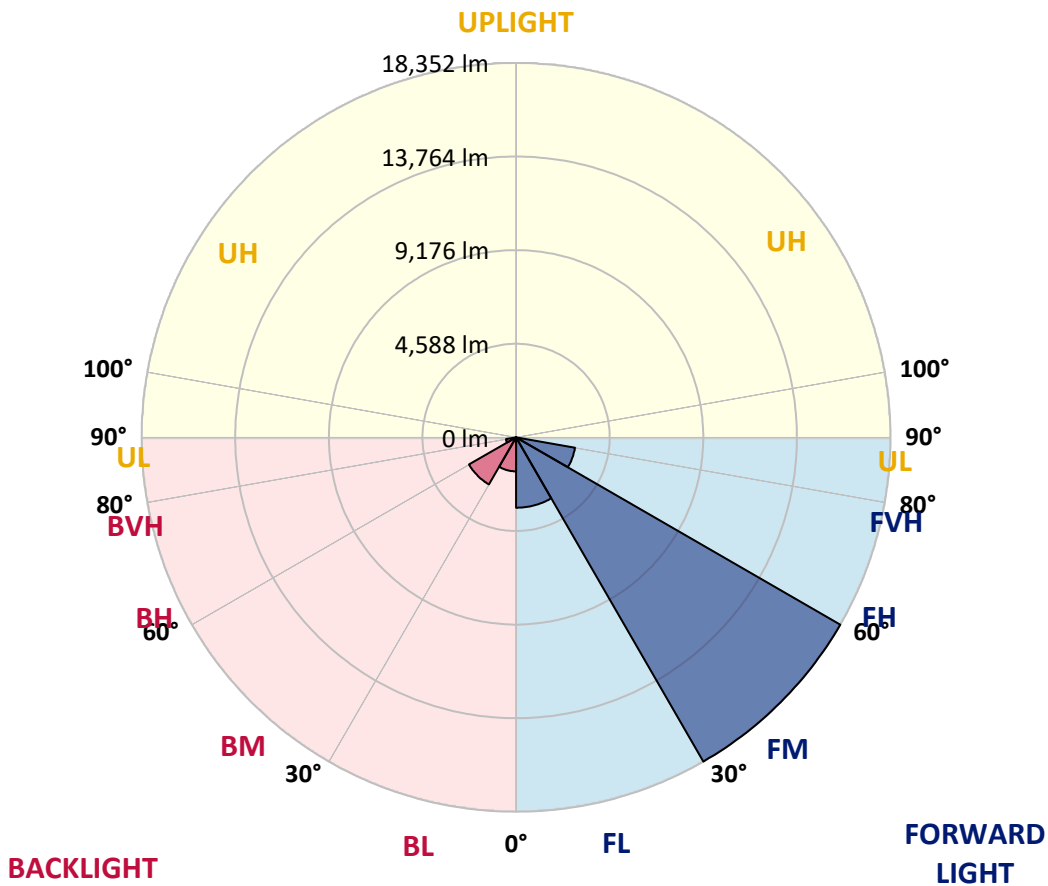
REPORT NUMBER: P643713

CATALOG NUMBER: GWS-SA6F-740-U-T2-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3450.0	11.7			
FM (30°-60°)	18351.6	62.1			
FH (60°-80°)	2932.6	9.9			G2/5000
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	1666.4	5.6	B3/2500		
BM (30°-60°)	2661.2	9.0	B3/5000		
BH (60°-80°)	501.5	1.7	B2/1000		G2/1000
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type II Short





REPORT NUMBER: P643713

CATALOG NUMBER: GWS-SA6F-740-U-T2-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	4930.8	4930.8	4930.8	4930.8	4930.8	4930.8	4930.8	4930.8	4930.8	4930.8	4930.8
2.5°	5508.8	5565.8	5548.0	5512.3	5490.9	5416.0	5369.6	5234.0	5137.7	5127.0	5037.8
5°	6204.5	6193.8	6179.5	6136.7	6101.0	5983.3	5844.1	5615.8	5412.4	5387.4	5198.4
7.5°	6586.2	6593.4	6600.5	6593.4	6568.4	6479.2	6325.8	6058.2	5747.8	5726.4	5426.7
10°	6743.2	6757.5	6793.2	6861.0	6921.6	6914.5	6825.3	6550.6	6168.8	6133.1	5730.0
12.5°	6818.2	6836.0	6893.1	7021.5	7185.6	7314.1	7328.4	7082.2	6661.2	6604.1	6090.3
15°	6921.6	6939.5	7010.8	7178.5	7417.6	7670.9	7835.0	7678.0	7207.0	7146.4	6486.3
17.5°	6968.0	6993.0	7096.4	7317.7	7628.1	8017.0	8388.0	8373.7	7852.8	7806.4	6946.6
20°	7057.2	7075.0	7167.8	7406.8	7781.5	8341.6	8966.0	9190.8	8641.3	8573.5	7503.2
22.5°	7339.1	7346.2	7389.0	7538.9	7888.5	8577.1	9554.7	10143.4	9572.5	9483.3	8127.6
25°	7799.3	7795.7	7813.6	7838.6	8095.4	8816.1	10122.0	11217.3	10639.3	10543.0	8834.0
27.5°	8384.4	8384.4	8427.3	8355.9	8459.4	9112.3	10682.1	12451.8	11880.9	11745.3	9608.2
30°	9073.0	9069.5	9169.4	9055.2	9087.3	9579.7	11285.1	13796.9	13379.4	13211.7	10500.2
32.5°	10007.8	9986.4	10100.6	9943.6	9836.6	10286.1	12020.1	15202.6	15174.1	14917.2	11620.5
35°	11188.8	11153.1	11188.8	11035.3	10842.7	11274.4	12983.4	16604.8	17164.9	16893.8	12954.8
37.5°	12362.6	12476.8	12516.0	12252.0	12095.0	12526.7	14142.9	17860.6	19066.6	18784.7	14342.7
40°	13746.9	13711.2	13846.8	13550.7	13450.8	13928.9	15277.5	18795.4	20572.2	20304.6	15577.2
42.5°	14767.3	14831.5	14999.2	14835.1	14756.6	15206.2	16230.1	19341.3	21617.6	21353.6	16458.5
45°	15991.1	16037.5	16101.7	15966.1	15884.1	16326.5	16918.7	19580.3	22413.2	22127.8	17050.7
47.5°	17314.8	17350.4	17350.4	17072.1	16808.1	16990.1	17379.0	19715.9	23144.6	22869.9	17489.6
50°	18263.8	18281.6	18438.6	18242.4	17668.0	17386.1	17589.5	19847.9	23629.8	23373.0	17632.3
52.5°	17421.8	17400.4	17917.7	18324.5	18477.9	17917.7	17953.4	20040.6	23865.3	23644.1	17746.5
55°	14671.0	14635.3	15363.1	16351.4	17703.7	18420.8	18392.2	20154.8	24125.8	23990.2	18160.3
57.5°	10635.7	10575.1	11588.4	12687.3	14460.5	16405.0	17546.7	20090.5	24239.9	24229.2	18642.0
60°	6393.6	6343.6	7299.8	8455.8	9825.8	11781.0	13675.6	17996.2	22712.9	22734.3	17389.7
62.5°	3935.3	3981.7	4845.1	5433.8	5944.0	6532.7	7628.1	12105.7	16826.0	16965.1	12219.9
65°	2647.3	2683.0	3482.2	4224.3	4224.3	3453.7	2964.9	5787.0	8976.7	8741.2	5779.9
67.5°	1776.8	1816.0	2447.5	3314.5	3439.4	2408.3	1202.4	1726.8	2501.1	2426.1	1430.7
70°	1045.4	1088.2	1630.5	2272.7	2504.6	1676.9	802.8	731.4	710.0	688.6	556.6
72.5°	467.4	485.2	831.3	1156.0	1056.1	706.4	567.3	585.1	553.0	542.3	453.1
75°	142.7	149.8	214.1	249.7	253.3	253.3	342.5	460.3	435.3	438.8	349.6
77.5°	35.7	35.7	57.1	53.5	28.5	25.0	64.2	103.5	107.0	96.3	71.4
80°	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6	3.6	3.6	3.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P643713

CATALOG NUMBER: GWS-SA6F-740-U-T2-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4930.8	4930.8	4930.8	4930.8	4930.8	4930.8	4930.8	4930.8	4930.8	4930.8	4930.8
2.5°	4998.6	4905.8	4845.1	4759.5	4698.9	4634.6	4577.5	4531.2	4506.2	4499.1	4502.6
5°	5112.7	4966.4	4823.7	4659.6	4545.4	4438.4	4352.8	4285.0	4252.9	4242.2	4242.2
7.5°	5287.5	5084.2	4830.9	4574.0	4381.3	4213.6	4113.7	4038.8	4010.3	4003.1	3981.7
10°	5515.9	5237.6	4820.2	4420.6	4149.4	3974.6	3903.2	3881.8	3892.5	3896.1	3892.5
12.5°	5790.6	5398.2	4752.4	4195.8	3903.2	3796.2	3803.3	3860.4	3924.6	3956.7	3963.9
15°	6083.2	5544.4	4599.0	3928.2	3692.7	3689.2	3792.6	3924.6	4049.5	4103.0	4117.3
17.5°	6411.4	5662.2	4363.5	3642.8	3510.8	3614.2	3799.8	4003.1	4170.8	4260.0	4277.8
20°	6771.8	5758.5	4063.8	3375.2	3350.2	3535.7	3792.6	4042.4	4249.3	4349.2	4367.0
22.5°	7146.4	5826.3	3717.7	3129.0	3203.9	3446.5	3724.8	3967.4	4163.7	4277.8	4292.1
25°	7574.5	5833.4	3364.5	2922.1	3068.3	3325.2	3560.7	3760.5	3924.6	4024.5	4035.2
27.5°	7949.2	5747.8	3050.5	2754.4	2943.5	3175.4	3332.4	3443.0	3557.1	3614.2	3617.8
30°	8380.9	5598.0	2754.4	2618.8	2815.0	2989.9	3068.3	3093.3	3104.0	3114.7	3100.5
32.5°	8894.6	5416.0	2533.2	2486.8	2668.7	2786.5	2807.9	2757.9	2697.3	2611.7	2590.3
35°	9526.1	5251.9	2351.2	2358.3	2508.2	2579.6	2561.7	2454.7	2336.9	2233.5	2215.6
37.5°	10211.2	5112.7	2212.1	2233.5	2333.4	2383.3	2329.8	2212.1	2158.5	2069.4	2072.9
40°	10817.7	4998.6	2087.2	2108.6	2155.0	2201.4	2115.7	2037.2	2137.1	2130.0	2137.1
42.5°	11249.4	4902.2	1980.2	1969.5	2001.6	2033.7	1969.5	1930.2	2097.9	2051.5	2076.5
45°	11502.7	4813.0	1891.0	1826.7	1876.7	1933.8	1891.0	1841.0	1898.1	1684.0	1666.2
47.5°	11674.0	4763.1	1812.5	1687.6	1776.8	1876.7	1787.5	1666.2	1584.1	1398.6	1384.3
50°	11691.8	4738.1	1719.7	1544.9	1659.0	1766.1	1662.6	1494.9	1377.2	1295.1	1284.4
52.5°	11784.6	4788.0	1591.3	1362.9	1487.8	1659.0	1587.7	1420.0	1259.4	1188.1	1173.8
55°	12198.5	4998.6	1377.2	1113.2	1295.1	1577.0	1527.0	1266.6	1113.2	1070.4	1059.7
57.5°	12626.6	5041.4	1084.6	881.3	1127.4	1459.2	1395.0	1166.7	1016.8	966.9	956.2
60°	11545.6	4153.0	813.5	727.8	995.4	1348.6	1291.6	1106.0	931.2	870.6	859.9
62.5°	7585.2	2244.2	645.8	617.2	838.4	1141.7	1177.4	999.0	831.3	767.1	763.5
65°	3496.5	1041.8	495.9	488.8	656.5	909.8	1013.3	874.1	702.9	645.8	645.8
67.5°	952.6	517.3	388.9	360.4	446.0	610.1	738.5	652.9	499.5	431.7	428.1
70°	474.5	417.4	349.6	310.4	321.1	378.2	435.3	363.9	253.3	206.9	203.4
72.5°	388.9	342.5	296.1	264.0	242.6	231.9	224.8	182.0	117.7	89.2	85.6
75°	289.0	246.2	210.5	171.3	146.3	135.6	121.3	89.2	49.9	28.5	25.0
77.5°	64.2	60.7	57.1	42.8	39.2	32.1	25.0	17.8	7.1	0.0	0.0
80°	3.6	3.6	3.6	3.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)