

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: P642284

Luminaire Tested: GWS-SA6C-750-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642284
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-SA6C-750-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24215.8 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

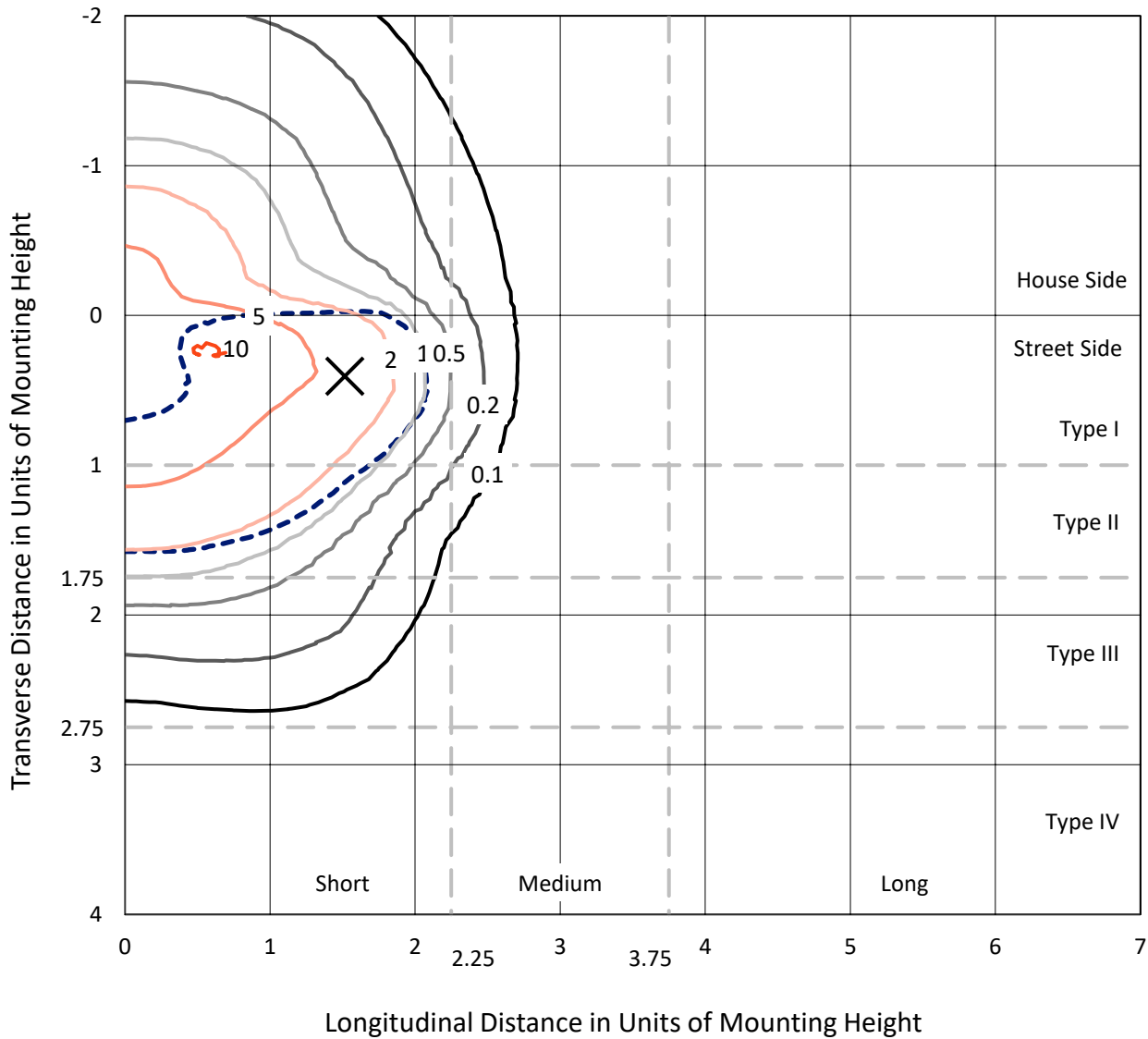
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

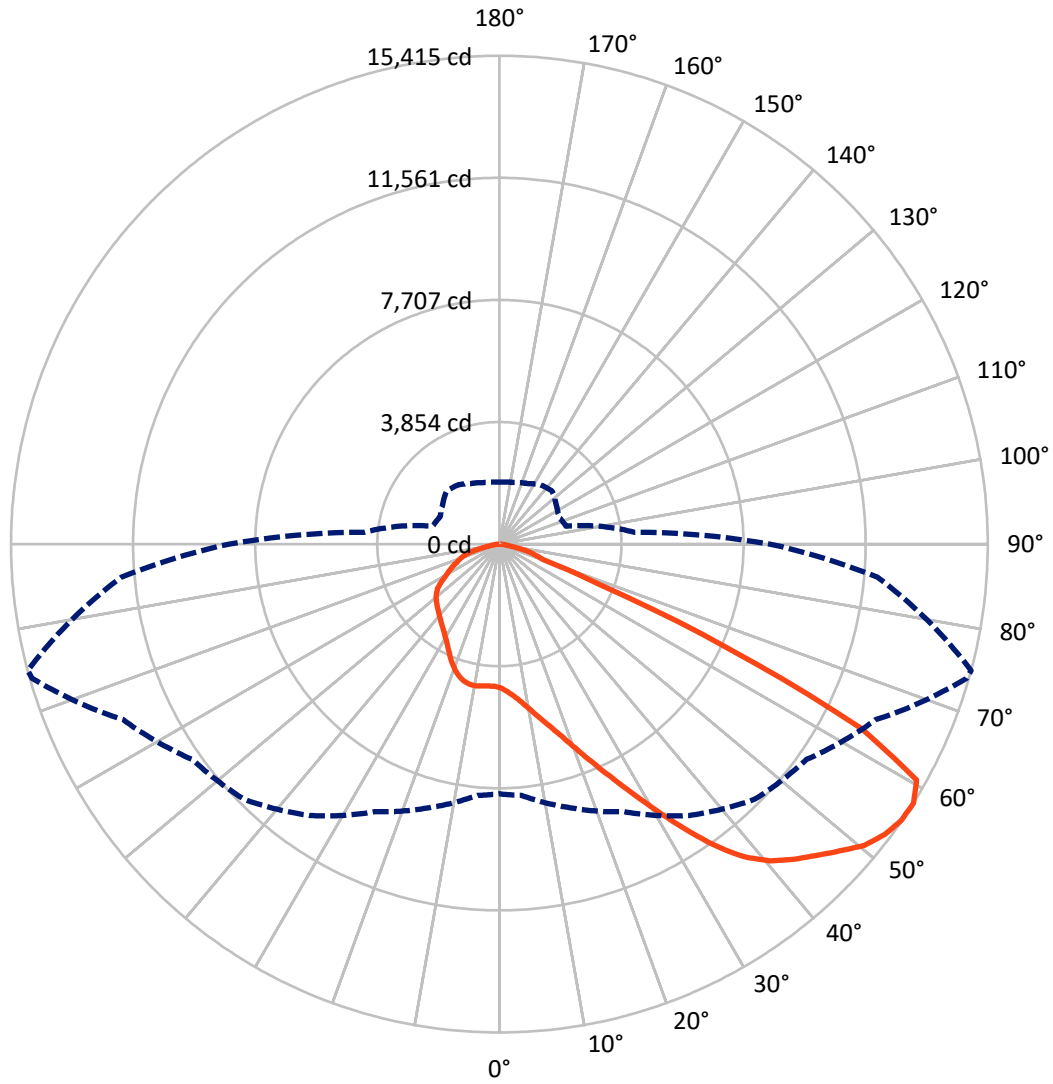
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 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	6550.9	0.0	6550.9
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	17664.9	0.0	17664.9
	% Fixture	72.9	0.0	72.9
Total	Lumens	24215.8	0.0	24215.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.8	1.9
10°-20°	1444.9	6.0
20°-30°	2562.4	10.6
30°-40°	3922.6	16.2
40°-50°	5461.9	22.6
50°-60°	6258.3	25.8
60°-70°	3215.6	13.3
70°-80°	809.6	3.3
80°-90°	86.5	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°	24215.8	100.0
0°-180°	24215.8	100.0

Coefficient of Utilization



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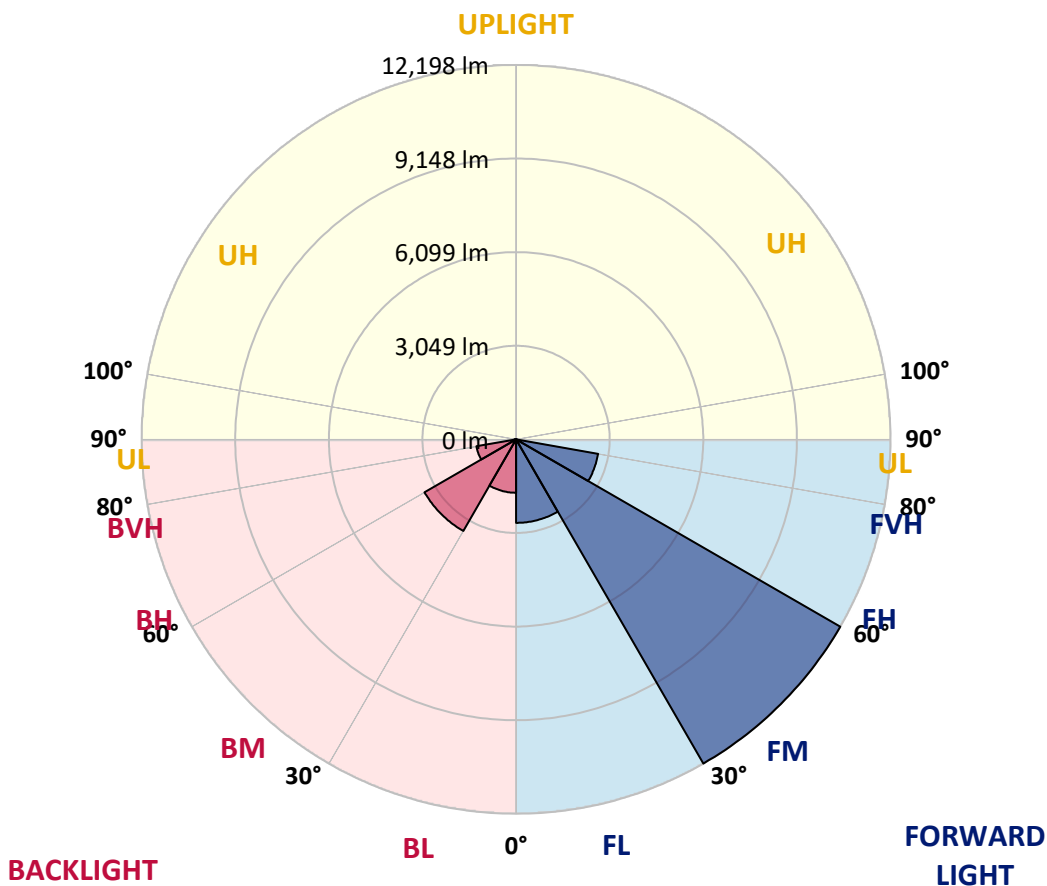
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2720.8	11.2			
FM (30°-60°)	12197.8	50.4			
FH (60°-80°)	2714.3	11.2			G2/5000
FVH (80°-90°)	32.0	0.1			G1/100
BL (0°-30°)	1740.3	7.2	B3/2500		
BM (30°-60°)	3445.2	14.2	B3/5000		
BH (60°-80°)	1310.9	5.4	B3/2500		G3/2500
BVH (80°-90°)	54.5	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°	4535.0	4535.0	4535.0	4535.0	4535.0	4535.0	4535.0	4535.0	4535.0	4535.0	4535.0
2.5°	4872.4	4884.8	4872.4	4893.2	4851.5	4832.8	4787.0	4718.3	4664.1	4655.8	4595.4
5°	5251.3	5278.4	5261.7	5253.4	5197.2	5155.5	5086.8	4949.4	4837.0	4820.3	4701.6
7.5°	5494.9	5513.7	5513.7	5519.9	5499.1	5451.2	5378.3	5215.9	5057.7	5032.7	4853.6
10°	5576.1	5590.7	5617.8	5669.8	5711.5	5726.1	5678.2	5522.0	5328.4	5303.4	5053.5
12.5°	5594.9	5611.5	5653.2	5749.0	5863.5	5967.6	5975.9	5861.4	5644.9	5617.8	5284.6
15°	5630.3	5646.9	5703.2	5821.8	5990.5	6190.4	6313.2	6234.1	5994.7	5965.5	5547.0
17.5°	5626.1	5644.9	5728.1	5886.4	6113.3	6402.8	6640.1	6673.5	6425.7	6375.7	5844.7
20°	5615.7	5632.4	5721.9	5915.5	6196.6	6594.3	7023.3	7196.1	6929.6	6883.8	6192.5
22.5°	5699.0	5717.7	5786.4	5946.8	6240.4	6742.2	7377.2	7793.7	7527.2	7462.6	6592.3
25°	5886.4	5913.5	5955.1	6065.5	6319.5	6873.4	7739.5	8470.4	8197.6	8120.6	7027.4
27.5°	6175.8	6209.1	6267.4	6319.5	6496.5	7039.9	8099.8	9228.3	8955.6	8874.3	7487.6
30°	6529.8	6573.5	6648.5	6683.9	6804.6	7285.6	8491.2	10009.1	9850.9	9738.5	8006.1
32.5°	7019.1	7079.5	7150.3	7160.7	7233.6	7658.3	8878.5	10783.7	10781.6	10702.5	8595.3
35°	7656.3	7720.8	7735.4	7750.0	7785.4	8170.6	9347.0	11489.6	11762.4	11670.7	9236.7
37.5°	8351.7	8445.4	8468.3	8403.8	8453.7	8786.9	9873.8	12056.0	12616.1	12518.2	9857.1
40°	9095.1	9132.5	9195.0	9093.0	9155.4	9492.8	10390.2	12418.3	13253.2	13149.1	10346.5
42.5°	9628.1	9696.8	9790.5	9753.0	9788.4	10096.6	10752.5	12593.2	13707.1	13603.0	10698.4
45°	10207.0	10227.8	10288.2	10279.8	10300.7	10588.0	11012.8	12670.2	14113.2	14019.5	10998.2
47.5°	10710.9	10742.1	10781.6	10735.8	10690.0	10877.4	11225.2	12736.8	14581.7	14469.2	11312.6
50°	11196.0	11223.1	11271.0	11137.7	10967.0	11014.9	11329.3	12828.5	15021.0	14941.9	11560.4
52.5°	11285.5	11314.7	11539.6	11566.6	11348.0	11179.3	11512.5	13030.4	15279.2	15229.2	11649.9
55°	10159.1	10211.1	10658.8	11173.1	11712.4	11658.3	11806.1	13136.6	15381.2	15393.7	11810.3
57.5°	7885.3	7960.3	8614.1	9319.9	10454.7	11393.8	11843.6	13109.5	15345.8	15414.5	11974.7
60°	5172.2	5215.9	5990.5	6781.7	7958.2	9257.5	10600.5	12622.3	15031.4	15129.3	11933.1
62.5°	3123.3	3173.3	3795.9	4395.5	5088.9	5957.2	7189.8	10144.5	12599.4	12818.0	9557.3
65°	2180.1	2246.7	2792.2	3285.7	3525.2	3346.1	3641.8	5665.7	7849.9	7941.5	5840.6
67.5°	1580.4	1626.2	2073.9	2661.1	2925.5	2363.3	1801.1	2509.1	3419.0	3452.3	2409.1
70°	1034.9	1086.9	1492.9	2026.0	2388.3	1915.6	1347.2	1357.6	1438.8	1455.5	1399.2
72.5°	568.4	599.7	922.4	1345.1	1411.7	1145.2	1051.5	1128.6	1184.8	1184.8	1199.3
75°	293.6	320.7	376.9	443.5	535.1	626.7	757.9	872.4	932.8	937.0	930.7
77.5°	149.9	160.3	202.0	218.6	239.5	279.0	362.3	464.3	518.5	539.3	535.1
80°	70.8	75.0	85.4	99.9	122.8	156.2	195.7	233.2	266.5	270.7	293.6
82.5°	37.5	41.6	45.8	54.1	66.6	83.3	114.5	137.4	158.2	162.4	181.2
85°	14.6	16.7	18.7	20.8	29.2	35.4	47.9	64.5	79.1	79.1	93.7
87.5°	0.0	0.0	0.0	0.0	2.1	4.2	8.3	10.4	14.6	14.6	25.0
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°	4535.0	4535.0	4535.0	4535.0	4535.0	4535.0	4535.0	4535.0	4535.0	4535.0	4535.0
2.5°	4580.8	4520.5	4493.4	4449.7	4414.3	4374.7	4343.5	4320.6	4306.0	4297.7	4289.3
5°	4655.8	4564.2	4491.3	4403.9	4343.5	4285.2	4237.3	4204.0	4187.3	4174.8	4166.5
7.5°	4772.4	4649.6	4512.1	4376.8	4270.6	4176.9	4116.5	4081.1	4058.2	4049.9	4043.6
10°	4932.7	4762.0	4535.0	4320.6	4162.3	4060.3	4018.7	4002.0	4004.1	3999.9	3997.8
12.5°	5113.9	4880.7	4528.8	4220.6	4045.7	3985.3	3987.4	4014.5	4045.7	4054.0	4056.1
15°	5309.6	4997.3	4468.4	4091.5	3954.1	3960.3	4014.5	4079.0	4137.3	4160.2	4164.4
17.5°	5522.0	5095.2	4358.1	3949.9	3879.1	3945.8	4045.7	4151.9	4237.3	4274.8	4285.2
20°	5759.4	5178.4	4201.9	3810.4	3808.3	3918.7	4064.5	4204.0	4312.2	4362.2	4370.5
22.5°	6011.3	5230.5	4010.3	3681.3	3735.5	3883.3	4049.9	4195.6	4310.2	4360.1	4370.5
25°	6265.3	5247.2	3800.0	3562.6	3660.5	3827.1	3979.1	4095.7	4204.0	4247.7	4256.0
27.5°	6502.7	5199.3	3600.1	3460.6	3591.8	3743.8	3845.8	3908.3	3983.3	4016.6	4022.8
30°	6744.3	5103.5	3431.5	3379.4	3514.8	3629.3	3675.1	3679.3	3708.4	3708.4	3712.6
32.5°	6987.9	4961.9	3283.6	3300.3	3419.0	3493.9	3500.2	3452.3	3416.9	3358.6	3356.5
35°	7269.0	4818.2	3162.9	3210.8	3306.5	3352.3	3333.6	3242.0	3156.6	3060.8	3056.7
37.5°	7529.2	4670.4	3060.8	3119.1	3179.5	3212.8	3169.1	3058.8	2988.0	2890.1	2875.5
40°	7743.7	4537.1	2963.0	3023.4	3052.5	3081.7	3010.9	2921.3	2931.7	2877.6	2875.5
42.5°	7868.6	4408.0	2871.4	2917.2	2935.9	2956.7	2894.3	2827.6	2883.9	2842.2	2844.3
45°	7960.3	4295.6	2788.1	2804.7	2850.5	2881.8	2823.5	2748.5	2761.0	2600.7	2563.2
47.5°	8064.4	4233.1	2708.9	2692.3	2773.5	2827.6	2738.1	2629.8	2554.9	2396.6	2382.0
50°	8174.7	4210.2	2625.7	2579.8	2677.7	2729.8	2625.7	2490.3	2392.5	2307.1	2298.8
52.5°	8212.2	4208.1	2521.5	2444.5	2542.4	2615.2	2527.8	2390.4	2273.8	2190.5	2186.3
55°	8360.0	4268.5	2388.3	2259.2	2350.8	2500.7	2436.2	2238.4	2144.7	2107.2	2103.0
57.5°	8532.9	4278.9	2178.0	2057.2	2184.2	2361.2	2280.0	2109.3	2007.2	1961.4	1957.3
60°	8462.1	4022.8	1953.1	1903.1	2042.6	2230.0	2155.1	2007.2	1888.6	1844.8	1840.7
62.5°	8448.6	2840.1	1788.6	1769.9	1890.6	2040.6	2026.0	1871.9	1759.5	1728.2	1724.1
65°	8379.1	1994.8	1630.4	1628.3	1713.7	1857.3	1876.1	1751.1	1632.4	1588.7	1588.7
67.5°	8197.7	1526.3	1451.3	1440.9	1495.0	1597.0	1676.2	1574.1	1474.2	1432.6	1426.3
70°	8355.5	1345.1	1320.1	1291.0	1301.4	1343.0	1376.3	1291.0	1184.8	1143.1	1134.8
72.5°	8172.3	1174.4	1157.7	1134.8	1126.5	1097.3	1068.2	1005.7	941.2	897.4	901.6
75°	909.9	914.1	924.5	916.2	893.3	862.0	830.8	751.7	699.6	658.0	649.6
77.5°	531.0	551.8	585.1	576.8	580.9	537.2	524.7	447.7	399.8	370.6	364.4
80°	299.8	312.3	326.9	337.3	324.8	306.1	279.0	237.4	222.8	202.0	197.8
82.5°	181.2	193.6	199.9	208.2	204.1	179.1	158.2	131.2	118.7	108.3	106.2
85°	91.6	99.9	106.2	110.4	97.9	81.2	72.9	58.3	50.0	43.7	43.7
87.5°	22.9	25.0	29.2	25.0	22.9	10.4	8.3	2.1	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)