

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: P642349

Luminaire Tested: GWS-SA6C-760-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642349
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-760-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28666.8 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

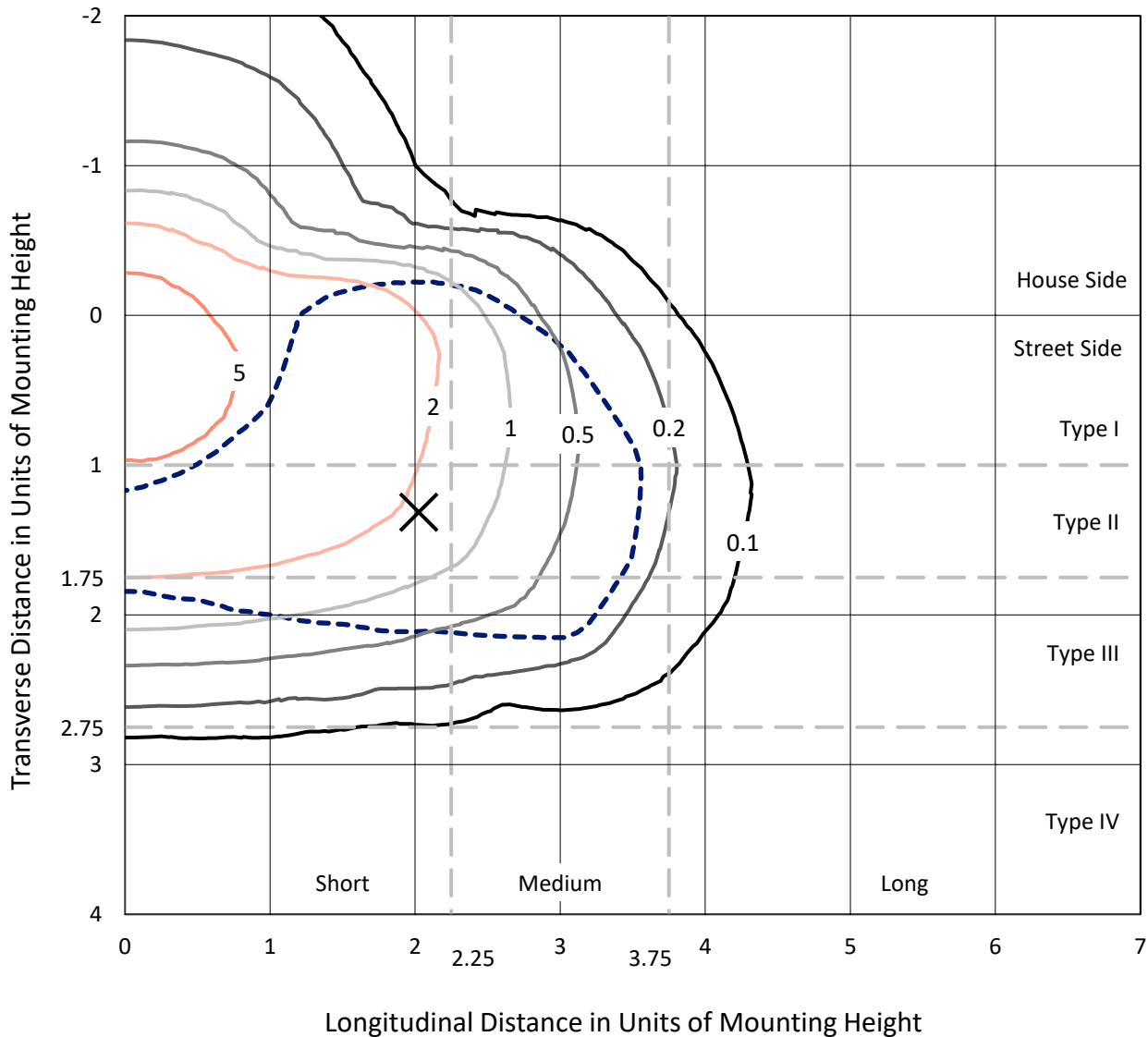
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

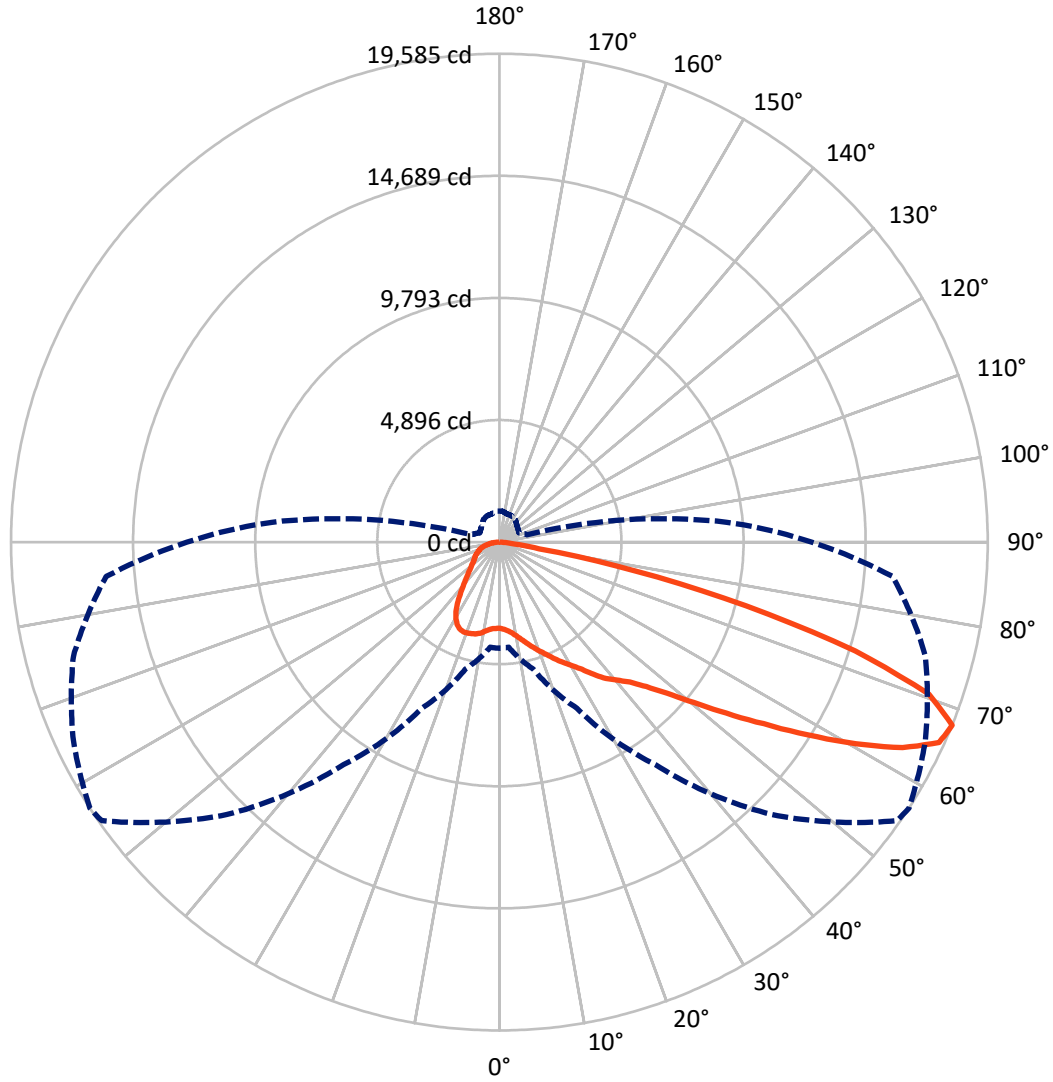
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6302.7	0.0	6302.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	22364.1	0.0	22364.1
	% Fixture	78.0	0.0	78.0
Total	Lumens	28666.8	0.0	28666.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.6	1.2
10°-20°	1134.1	4.0
20°-30°	2021.9	7.1
30°-40°	2939.6	10.3
40°-50°	4254.6	14.8
50°-60°	6658.3	23.2
60°-70°	7767.3	27.1
70°-80°	3242.4	11.3
80°-90°	306.0	1.1
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°	28666.8	100.0
0°-180°	28666.8	100.0

Coefficient of Utilization



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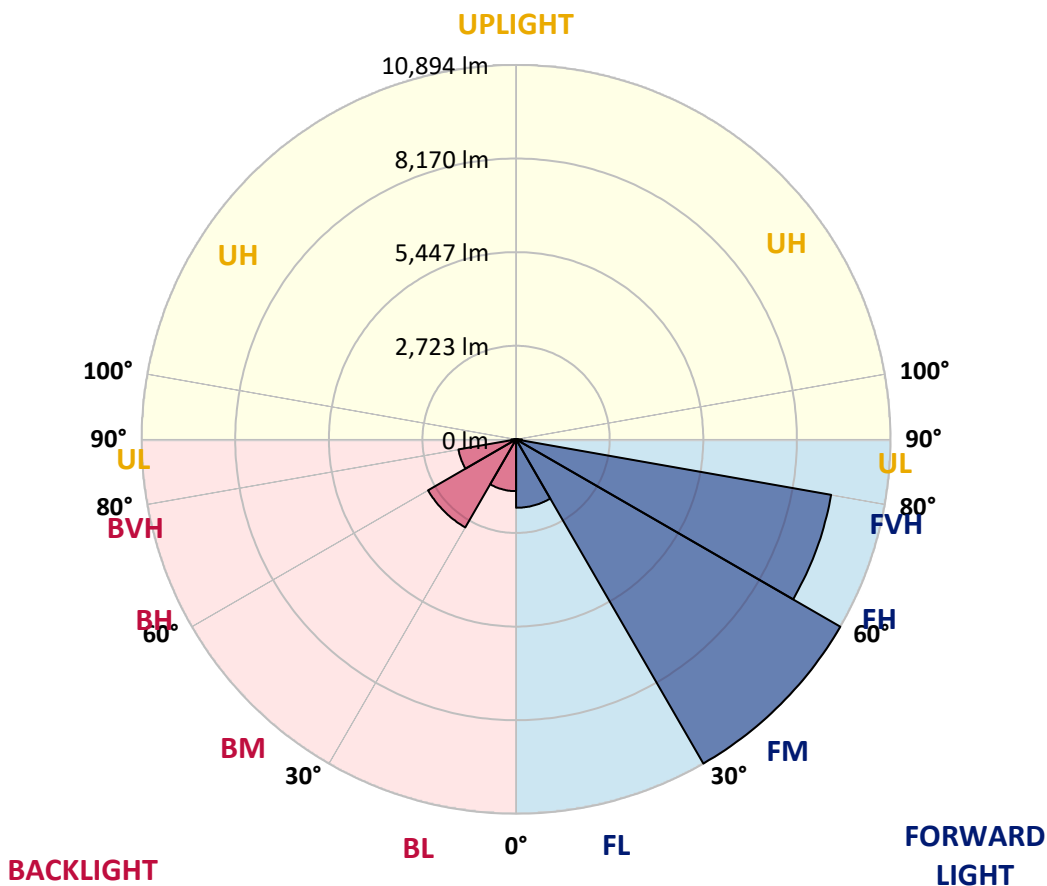
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1991.2	6.9			
FM (30°-60°)	10893.8	38.0			
FH (60°-80°)	9308.6	32.5			G4/12000
FVH (80°-90°)	170.5	0.6			G2/225
BL (0°-30°)	1507.4	5.3	B3/2500		
BM (30°-60°)	2958.7	10.3	B3/5000		
BH (60°-80°)	1701.1	5.9	B3/2500		G3/2500
BVH (80°-90°)	135.5	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	3454.2	3454.2	3454.2	3454.2	3454.2	3454.2	3454.2	3454.2	3454.2	3454.2	3454.2
2.5°	3503.4	3499.3	3497.3	3509.6	3505.5	3503.4	3503.4	3501.4	3497.3	3480.9	3458.3
5°	3600.0	3591.7	3583.5	3593.8	3585.6	3577.4	3575.3	3571.2	3556.8	3532.2	3497.3
7.5°	3700.6	3692.4	3694.4	3700.6	3694.4	3690.3	3684.2	3680.1	3657.5	3618.4	3571.2
10°	3842.3	3842.3	3846.4	3852.6	3854.6	3848.4	3836.1	3830.0	3803.3	3754.0	3688.3
12.5°	4047.6	4043.5	4043.5	4039.4	4045.6	4039.4	4027.1	4016.8	3984.0	3920.3	3825.9
15°	4318.7	4302.3	4287.9	4261.2	4253.0	4230.4	4234.5	4228.4	4197.6	4111.3	3992.2
17.5°	4608.3	4606.2	4583.6	4530.2	4476.8	4439.9	4448.1	4446.0	4429.6	4312.6	4160.6
20°	4862.9	4873.2	4852.7	4811.6	4739.7	4669.9	4665.8	4676.0	4655.5	4538.5	4326.9
22.5°	5148.4	5140.2	5119.6	5066.2	5012.8	4938.9	4914.3	4906.0	4897.8	4764.4	4497.4
25°	5419.4	5444.1	5417.4	5368.1	5286.0	5205.9	5185.3	5193.6	5171.0	4994.4	4680.2
27.5°	5762.4	5772.7	5756.2	5688.5	5618.6	5505.7	5466.7	5466.7	5458.5	5210.0	4823.9
30°	6127.9	6156.7	6127.9	6072.5	6000.6	5838.4	5754.2	5746.0	5721.3	5431.8	4992.3
32.5°	6495.5	6516.1	6495.5	6442.1	6360.0	6218.3	6097.1	6078.7	6045.8	5674.1	5164.8
35°	6822.1	6840.5	6836.4	6848.8	6781.0	6602.3	6528.4	6520.2	6433.9	5990.3	5398.9
37.5°	7179.4	7202.0	7171.2	7195.8	7169.1	7000.7	6978.1	6937.1	6813.8	6288.1	5645.3
40°	7586.0	7606.5	7557.2	7567.5	7536.7	7442.2	7327.2	7271.8	7089.0	6610.5	6033.5
42.5°	8021.4	8068.6	8091.2	8072.7	8000.8	7947.4	7746.2	7676.4	7524.4	7191.7	6672.1
45°	8651.8	8721.6	8754.5	8707.3	8676.5	8600.5	8354.0	8269.8	8189.8	8011.1	7563.4
47.5°	9331.6	9395.2	9500.0	9520.5	9545.1	9487.6	9140.6	9058.4	9072.8	9052.3	8660.0
50°	9873.7	9927.1	10163.3	10415.9	10625.3	10641.8	10198.2	10109.9	10187.9	10253.6	9980.5
52.5°	10268.0	10315.2	10627.4	11149.0	11623.4	11974.5	11496.0	11395.4	11459.1	11606.9	11481.7
55°	10588.4	10654.1	10980.6	11781.5	12740.5	13295.0	12989.0	12861.7	12835.0	13017.8	13089.6
57.5°	10756.8	10777.3	11235.2	12276.4	13559.9	14590.8	14724.3	14580.6	14325.9	14426.5	14800.3
60°	10372.7	10407.6	11034.0	12403.7	14206.8	15876.4	16545.9	16426.7	15884.6	15940.0	16352.8
62.5°	9311.0	9360.3	10114.0	11797.9	14260.2	16734.8	18227.7	18151.8	17424.8	17125.0	17248.2
65°	7468.9	7485.4	8265.7	10298.8	13198.5	16841.6	19400.4	19381.9	18500.9	17798.5	17270.8
67.5°	4259.2	4230.4	5273.6	7345.7	10892.3	15453.3	19476.3	19585.2	18850.0	17687.7	15833.3
70°	1846.2	1850.3	2330.8	3624.6	7050.0	12490.0	18090.2	18277.0	17839.6	15841.5	12596.8
72.5°	854.3	866.6	1074.0	1568.9	3010.6	7748.2	14751.0	14919.4	14543.6	12678.9	9165.2
75°	603.8	614.0	716.7	899.5	1384.1	3018.8	9867.5	10220.8	10403.5	9483.5	6039.6
77.5°	458.0	472.3	523.7	624.3	854.3	1069.9	4721.2	5563.2	6627.0	5900.0	3111.2
80°	291.6	291.6	347.1	416.9	521.6	556.5	1363.6	1616.2	3242.6	2431.5	1221.9
82.5°	197.1	203.3	236.2	264.9	299.8	316.3	585.3	624.3	936.4	827.6	503.1
85°	104.7	108.8	123.2	121.2	143.8	125.3	246.4	244.4	343.0	375.8	191.0
87.5°	0.0	0.0	2.1	2.1	4.1	6.2	26.7	28.8	71.9	115.0	63.7
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°	3454.2	3454.2	3454.2	3454.2	3454.2	3454.2	3454.2	3454.2	3454.2	3454.2	3454.2
2.5°	3470.6	3445.9	3458.3	3454.2	3466.5	3466.5	3443.9	3437.7	3439.8	3415.1	3406.9
5°	3501.4	3472.6	3478.8	3470.6	3482.9	3493.2	3482.9	3482.9	3495.2	3476.7	3466.5
7.5°	3571.2	3538.4	3538.4	3528.1	3542.5	3550.7	3542.5	3554.8	3577.4	3558.9	3548.6
10°	3682.1	3643.1	3645.1	3632.8	3639.0	3634.9	3602.0	3591.7	3597.9	3581.5	3573.3
12.5°	3825.9	3772.5	3772.5	3747.8	3733.4	3690.3	3622.5	3597.9	3602.0	3587.6	3581.5
15°	3963.4	3914.2	3903.9	3854.6	3788.9	3708.8	3647.2	3630.8	3634.9	3620.5	3610.2
17.5°	4125.7	4062.0	4025.1	3934.7	3813.5	3731.4	3669.8	3630.8	3597.9	3565.0	3556.8
20°	4275.6	4195.5	4127.7	3988.1	3840.2	3727.3	3612.3	3515.8	3435.7	3392.5	3382.3
22.5°	4429.6	4326.9	4207.8	4025.1	3838.2	3653.4	3441.8	3296.0	3176.9	3113.3	3125.6
25°	4575.4	4446.0	4283.8	4060.0	3772.5	3489.1	3201.6	2983.9	2848.3	2799.1	2784.7
27.5°	4696.6	4536.4	4353.6	4043.5	3636.9	3252.9	2873.0	2630.7	2499.2	2443.8	2429.4
30°	4832.1	4651.4	4454.3	3967.6	3423.4	2922.3	2501.3	2304.1	2209.7	2156.3	2158.3
32.5°	4988.2	4799.3	4596.0	3821.7	3150.2	2564.9	2195.3	2059.8	1983.8	1930.4	1922.2
35°	5197.7	5010.8	4690.4	3602.0	2803.2	2236.4	1985.8	1874.9	1780.5	1710.6	1696.3
37.5°	5456.4	5329.1	4700.7	3308.3	2431.5	2010.5	1835.9	1716.8	1601.8	1509.4	1499.1
40°	5900.0	5754.2	4616.5	2940.8	2115.2	1864.7	1710.6	1573.1	1439.6	1336.9	1322.5
42.5°	6532.5	6232.7	4435.8	2525.9	1877.0	1749.7	1591.5	1417.0	1281.4	1209.6	1199.3
45°	7337.5	6766.6	4164.7	2135.7	1700.4	1636.7	1466.3	1283.5	1211.6	1160.3	1150.0
47.5°	8323.2	7388.9	3852.6	1831.8	1562.8	1534.0	1338.9	1238.3	1174.7	1131.5	1121.3
50°	9502.0	8181.5	3595.9	1593.6	1439.6	1414.9	1297.9	1211.6	1160.3	1125.4	1117.2
52.5°	10847.1	9062.5	3470.6	1423.1	1332.8	1308.1	1283.5	1205.5	1162.3	1135.6	1125.4
55°	12243.6	9990.8	3353.5	1291.7	1242.4	1256.8	1285.6	1226.0	1193.1	1158.2	1148.0
57.5°	13592.8	10861.5	3066.0	1189.0	1176.7	1232.2	1295.8	1246.5	1207.5	1172.6	1160.3
60°	14523.1	11337.9	2579.3	1106.9	1127.4	1201.4	1269.1	1215.7	1166.4	1152.1	1145.9
62.5°	14773.6	11280.4	2002.3	1022.7	1067.9	1133.6	1199.3	1164.4	1113.1	1135.6	1137.7
65°	14188.3	10664.3	1503.2	940.5	989.8	1045.3	1127.4	1113.1	1094.6	1156.2	1158.2
67.5°	12531.1	9150.8	1145.9	868.7	909.7	977.5	1104.8	1164.4	1168.5	1246.5	1238.3
70°	9481.5	6836.4	897.4	800.9	848.1	977.5	1176.7	1203.4	1154.1	1226.0	1209.6
72.5°	6555.1	4511.8	763.9	741.3	772.2	932.3	1174.7	1174.7	1121.3	1121.3	1090.5
75°	4072.3	2653.3	665.4	665.4	665.4	815.3	1141.8	1082.2	987.8	944.7	920.0
77.5°	2010.5	1289.7	558.6	579.1	556.5	681.8	932.3	885.1	827.6	782.4	766.0
80°	858.4	644.8	451.8	474.4	447.7	513.4	739.3	729.0	673.6	614.0	595.5
82.5°	394.3	332.7	361.4	371.7	326.5	386.1	540.1	540.1	509.3	427.1	396.3
85°	168.4	176.6	250.5	250.5	205.4	217.7	289.6	275.2	246.4	201.3	184.8
87.5°	57.5	86.3	127.3	110.9	43.1	18.5	10.3	4.1	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)