

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: P642783

Luminaire Tested: GWS-SA6D-750-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-750-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32249.2 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

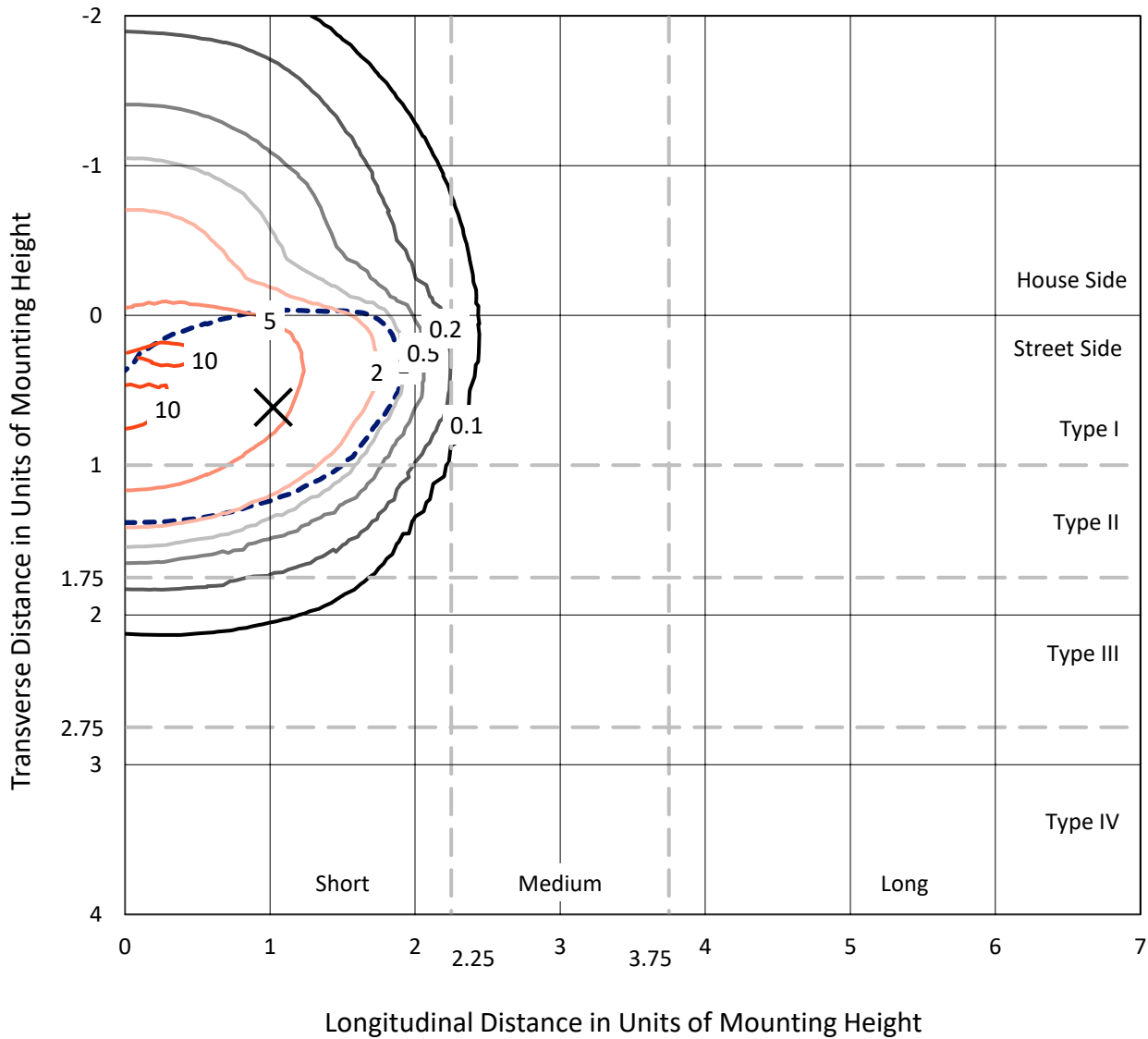
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

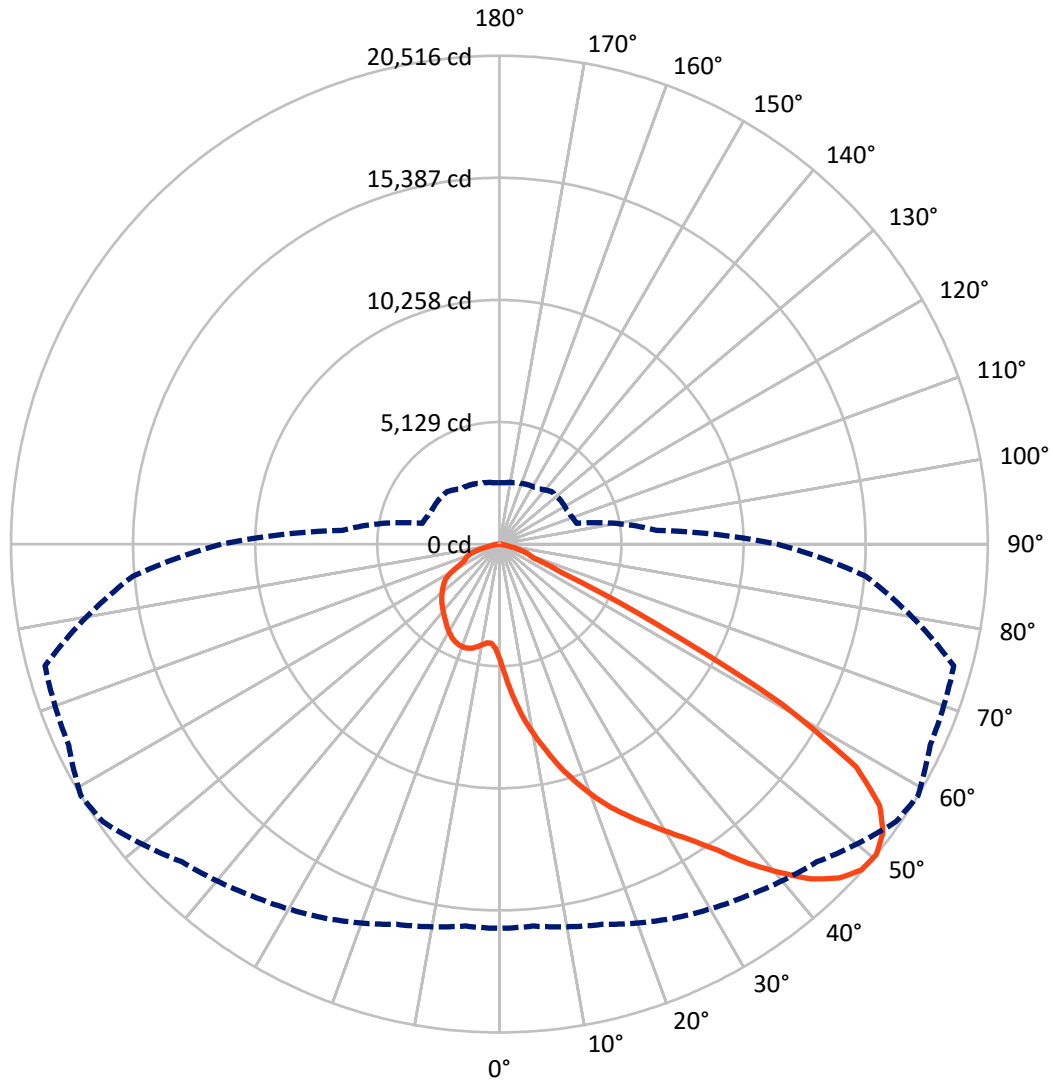
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7417.9	0.0	7417.9
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	24831.3	0.0	24831.3
	% Fixture	77.0	0.0	77.0
Total	Lumens	32249.2	0.0	32249.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	548.1	1.7
10°-20°	1989.8	6.2
20°-30°	3767.8	11.7
30°-40°	6248.3	19.4
40°-50°	8535.5	26.5
50°-60°	7748.0	24.0
60°-70°	2580.2	8.0
70°-80°	752.5	2.3
80°-90°	79.0	0.2
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°	32249.2	100.0
0°-180°	32249.2	100.0

Coefficient of Utilization



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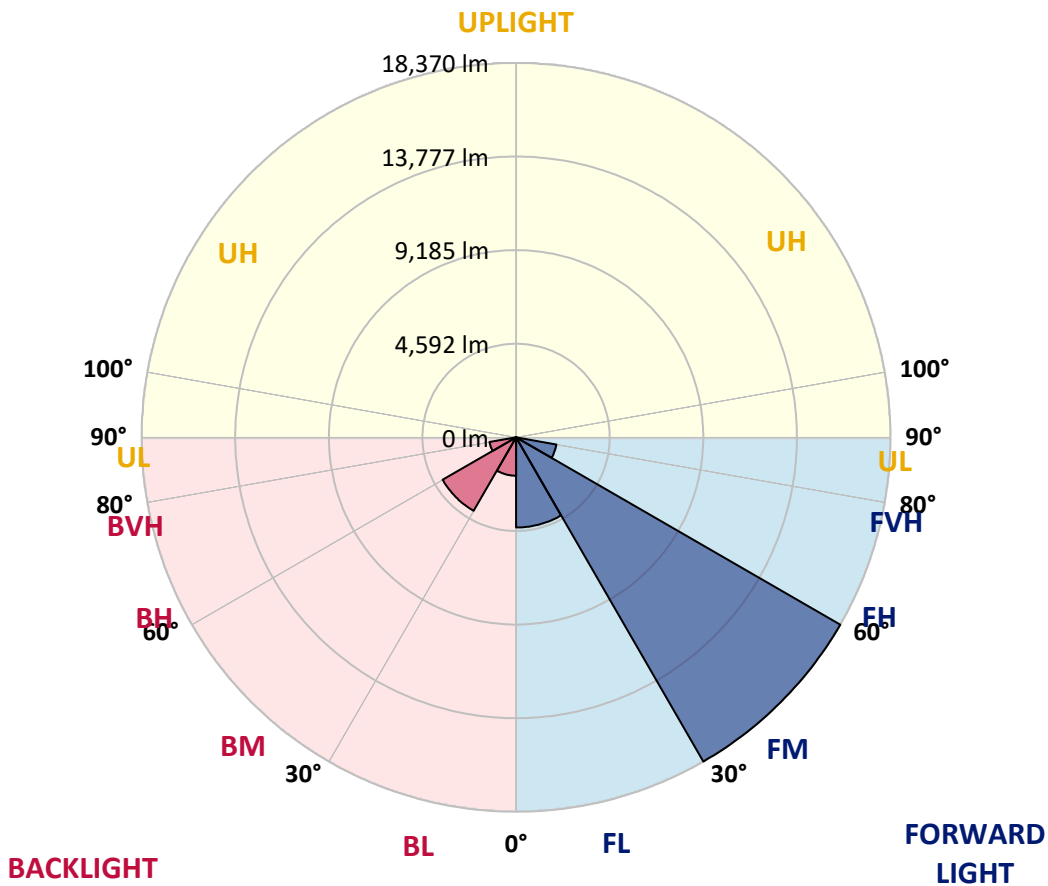
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4422.1	13.7			
FM (30°-60°)	18369.5	57.0			
FH (60°-80°)	2008.7	6.2			G2/5000
FVH (80°-90°)	30.9	0.1			G1/100
BL (0°-30°)	1883.6	5.8	B3/2500		
BM (30°-60°)	4162.2	12.9	B3/5000		
BH (60°-80°)	1324.0	4.1	B3/2500		G3/2500
BVH (80°-90°)	48.1	0.1			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°	59°	65°	75°	85°
0°	4886.0	4886.0	4886.0	4886.0	4886.0	4886.0	4886.0	4886.0	4886.0	4886.0	4886.0
2.5°	6330.8	6378.0	6304.5	6309.7	6125.9	6041.8	5805.4	5666.2	5574.2	5316.8	5083.0
5°	7607.4	7552.3	7494.5	7460.3	7300.1	7074.2	6780.0	6546.2	6330.8	5826.4	5340.4
7.5°	8390.2	8361.3	8321.9	8300.9	8143.3	7906.9	7612.7	7413.0	7100.4	6417.4	5653.0
10°	9054.8	9020.7	8997.0	9012.8	8884.1	8731.7	8411.2	8182.7	7830.7	7042.6	6031.3
12.5°	9569.7	9588.1	9596.0	9680.0	9624.9	9532.9	9201.9	8960.3	8568.9	7702.0	6475.2
15°	9976.9	9971.6	10063.5	10223.8	10313.1	10255.3	9990.0	9787.7	9309.6	8350.8	6953.3
17.5°	10071.4	10076.7	10221.2	10502.2	10793.8	10935.7	10785.9	10544.3	10071.4	8991.8	7449.8
20°	10147.6	10158.1	10307.8	10628.3	11053.9	11450.5	11474.2	11300.8	10893.6	9685.3	7954.2
22.5°	10628.3	10652.0	10691.4	10893.6	11277.2	11778.9	12054.7	12017.9	11676.4	10412.9	8497.9
25°	11891.8	11820.9	11629.2	11571.4	11718.5	12125.6	12595.9	12666.8	12498.7	11214.1	9083.7
27.5°	13452.2	13376.0	13092.3	12792.9	12475.0	12616.9	13118.6	13331.4	13334.0	12096.7	9672.1
30°	14868.1	14807.7	14576.5	14148.3	13599.3	13394.4	13764.8	14051.1	14221.9	13116.0	10342.0
32.5°	16079.1	16023.9	15711.3	15361.9	14826.1	14413.6	14547.6	14823.4	15222.7	14434.7	11174.7
35°	17098.3	17043.1	16743.7	16391.7	15895.2	15648.3	15601.0	15790.1	16307.6	15811.1	12130.9
37.5°	17925.8	17870.6	17558.0	17227.0	16848.8	16864.5	16935.4	17027.4	17324.2	17284.8	13152.7
40°	18461.7	18403.9	18180.6	17944.2	17705.1	17894.3	18246.3	18135.9	18293.5	18474.8	14093.2
42.5°	18700.7	18627.1	18498.4	18445.9	18372.3	18666.6	19344.3	19234.0	19044.8	19268.1	14791.9
45°	18461.7	18398.6	18396.0	18556.2	18727.0	19105.2	20103.5	20014.1	19536.0	19651.6	15209.6
47.5°	17728.8	17673.6	17823.3	18243.6	18663.9	19215.6	20442.3	20458.1	19885.4	19811.9	15480.2
50°	16144.8	16108.0	16541.4	17337.4	18062.4	18871.4	20334.6	20515.9	19969.5	19762.0	15446.0
52.5°	12924.2	13095.0	14038.0	15367.2	16775.2	18267.3	19935.3	20171.7	19564.9	19433.6	15262.1
55°	8847.3	8926.1	9869.2	11810.4	14043.3	16959.1	19018.6	19383.7	19086.9	19378.4	15453.9
57.5°	4581.3	4644.3	5387.7	7110.9	9525.0	13402.3	16473.1	17671.0	18122.8	19656.9	16050.2
60°	1880.8	1933.4	2240.7	3073.4	4804.5	7804.4	11855.1	13630.8	14692.1	17952.0	14253.4
62.5°	1366.0	1392.2	1539.3	1833.6	2516.5	3824.7	6709.0	7363.1	8109.2	11250.9	9049.6
65°	1150.6	1179.5	1297.7	1476.3	1836.2	2345.8	2865.9	2881.7	3175.9	4583.9	3354.5
67.5°	964.1	990.3	1095.4	1247.8	1484.2	1665.4	1539.3	1542.0	1536.7	1662.8	1607.6
70°	751.3	772.3	877.4	1040.2	1163.7	1069.1	1203.1	1331.8	1276.7	1326.6	1402.7
72.5°	549.0	572.7	664.6	788.1	756.5	761.8	974.6	1105.9	1074.4	1129.6	1200.5
75°	396.7	412.4	459.7	394.0	415.0	501.7	685.6	756.5	788.1	835.3	898.4
77.5°	128.7	128.7	144.5	181.3	225.9	278.4	349.4	378.3	425.6	478.1	522.7
80°	65.7	68.3	81.4	99.8	126.1	160.2	204.9	218.0	241.7	270.6	289.0
82.5°	31.5	34.1	39.4	49.9	65.7	84.1	113.0	126.1	141.9	160.2	173.4
85°	7.9	7.9	10.5	15.8	21.0	31.5	42.0	49.9	63.0	76.2	84.1
87.5°	0.0	0.0	0.0	0.0	0.0	2.6	7.9	10.5	13.1	15.8	21.0
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°	4886.0	4886.0	4886.0	4886.0	4886.0	4886.0	4886.0	4886.0	4886.0	4886.0	4886.0
2.5°	4977.9	4830.8	4641.7	4481.4	4334.3	4221.4	4124.2	4076.9	4032.2	4000.7	4011.2
5°	5114.5	4862.3	4510.3	4266.0	4116.3	4040.1	3987.6	3961.3	3956.1	3935.1	3927.2
7.5°	5314.2	4954.3	4484.1	4237.1	4137.3	4097.9	4069.0	4053.3	4061.1	4040.1	4032.2
10°	5561.1	5106.6	4549.7	4331.7	4245.0	4216.1	4184.6	4163.6	4153.1	4121.6	4116.3
12.5°	5868.4	5295.8	4668.0	4452.5	4365.9	4316.0	4273.9	4237.1	4213.5	4174.1	4163.6
15°	6199.4	5505.9	4807.2	4570.8	4468.3	4394.8	4326.5	4271.3	4229.3	4176.7	4168.8
17.5°	6559.3	5726.6	4922.8	4652.2	4520.8	4423.7	4323.8	4242.4	4184.6	4116.3	4108.4
20°	6934.9	5949.9	5009.4	4691.6	4523.5	4392.1	4258.2	4150.5	4076.9	4008.6	4003.4
22.5°	7323.7	6154.8	5062.0	4681.1	4481.4	4318.6	4158.3	4037.5	3950.8	3869.4	3864.1
25°	7715.1	6351.8	5075.1	4639.1	4397.4	4208.2	4048.0	3906.2	3809.0	3717.0	3706.5
27.5°	8111.8	6517.3	5043.6	4555.0	4284.4	4079.5	3919.3	3780.1	3680.2	3588.3	3572.5
30°	8534.7	6659.1	4975.3	4444.7	4153.1	3942.9	3785.3	3680.2	3585.7	3493.7	3478.0
32.5°	8986.5	6782.6	4878.1	4310.7	4000.7	3806.3	3690.8	3596.2	3501.6	3420.2	3404.4
35°	9525.0	6864.0	4733.6	4137.3	3858.9	3706.5	3627.7	3517.4	3401.8	3312.5	3304.6
37.5°	10081.9	6927.1	4560.2	3971.8	3735.4	3648.7	3583.1	3433.3	3288.8	3181.1	3168.0
40°	10620.4	6979.6	4344.8	3816.8	3622.5	3606.7	3517.4	3330.9	3081.3	2960.5	2950.0
42.5°	11122.2	6995.4	4118.9	3651.4	3520.0	3512.1	3412.3	3123.4	2931.6	2855.4	2844.9
45°	11466.3	6982.2	3885.1	3496.4	3417.6	3375.5	3270.5	2973.6	2855.4	2787.1	2774.0
47.5°	11721.1	6913.9	3622.5	3333.5	3302.0	3244.2	3018.3	2879.1	2768.7	2700.4	2687.3
50°	11676.4	6630.2	3357.1	3175.9	3162.8	3112.8	2834.4	2760.8	2663.6	2590.1	2579.6
52.5°	11445.3	6091.7	3086.6	3002.5	3028.8	2931.6	2703.1	2619.0	2534.9	2450.9	2432.5
55°	11503.1	5702.9	2881.7	2834.4	2881.7	2661.0	2555.9	2466.6	2387.8	2306.4	2290.6
57.5°	11755.3	5319.4	2663.6	2653.1	2703.1	2453.5	2366.8	2253.9	2140.9	2075.2	2075.2
60°	9871.8	3877.3	2280.1	2306.4	2419.3	2285.4	2209.2	2093.6	1970.2	1912.4	1912.4
62.5°	5836.9	2432.5	1891.3	1862.5	1933.4	2017.4	2059.5	1964.9	1817.8	1741.6	1744.2
65°	2571.7	1770.5	1668.1	1644.4	1623.4	1681.2	1796.8	1804.7	1649.7	1560.4	1563.0
67.5°	1584.0	1602.4	1560.4	1542.0	1523.6	1513.1	1502.6	1507.8	1465.8	1384.4	1381.7
70°	1429.0	1478.9	1450.0	1434.3	1410.6	1392.2	1329.2	1226.7	1155.8	1134.8	1158.5
72.5°	1229.4	1297.7	1281.9	1274.0	1245.1	1200.5	1116.4	1016.6	932.5	880.0	890.5
75°	927.3	982.5	990.3	993.0	961.4	919.4	832.7	748.7	675.1	619.9	633.1
77.5°	533.3	564.8	572.7	580.5	556.9	541.1	483.3	422.9	383.5	325.7	341.5
80°	296.8	310.0	310.0	312.6	299.5	281.1	241.7	207.5	189.1	162.9	165.5
82.5°	178.6	183.9	186.5	189.1	181.3	162.9	134.0	110.3	99.8	86.7	84.1
85°	86.7	91.9	91.9	94.6	81.4	70.9	55.2	42.0	36.8	26.3	28.9
87.5°	21.0	23.6	23.6	21.0	18.4	13.1	7.9	2.6	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)