

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: P642757

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642757
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-750-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE 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: 32301.8 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

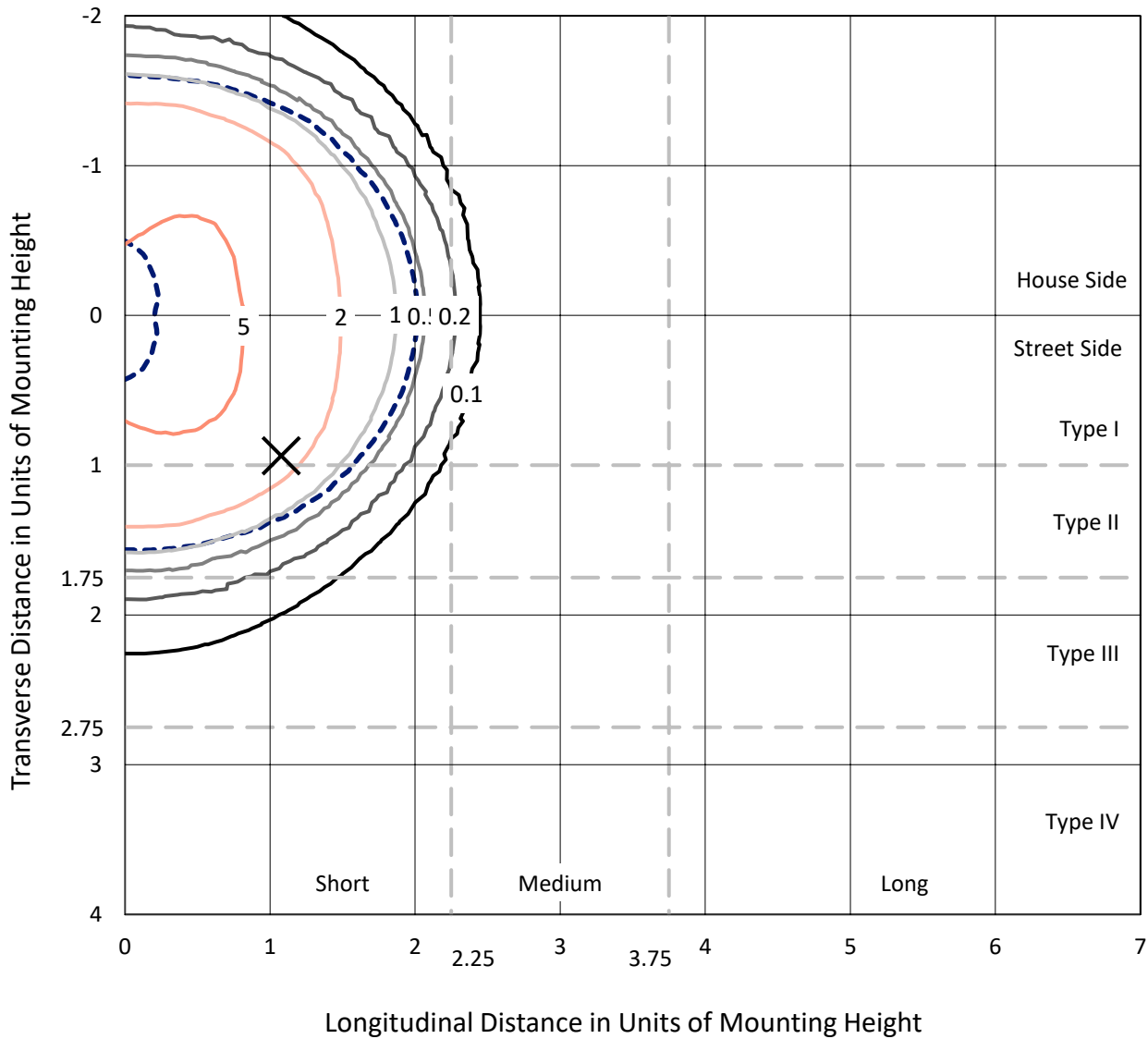
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

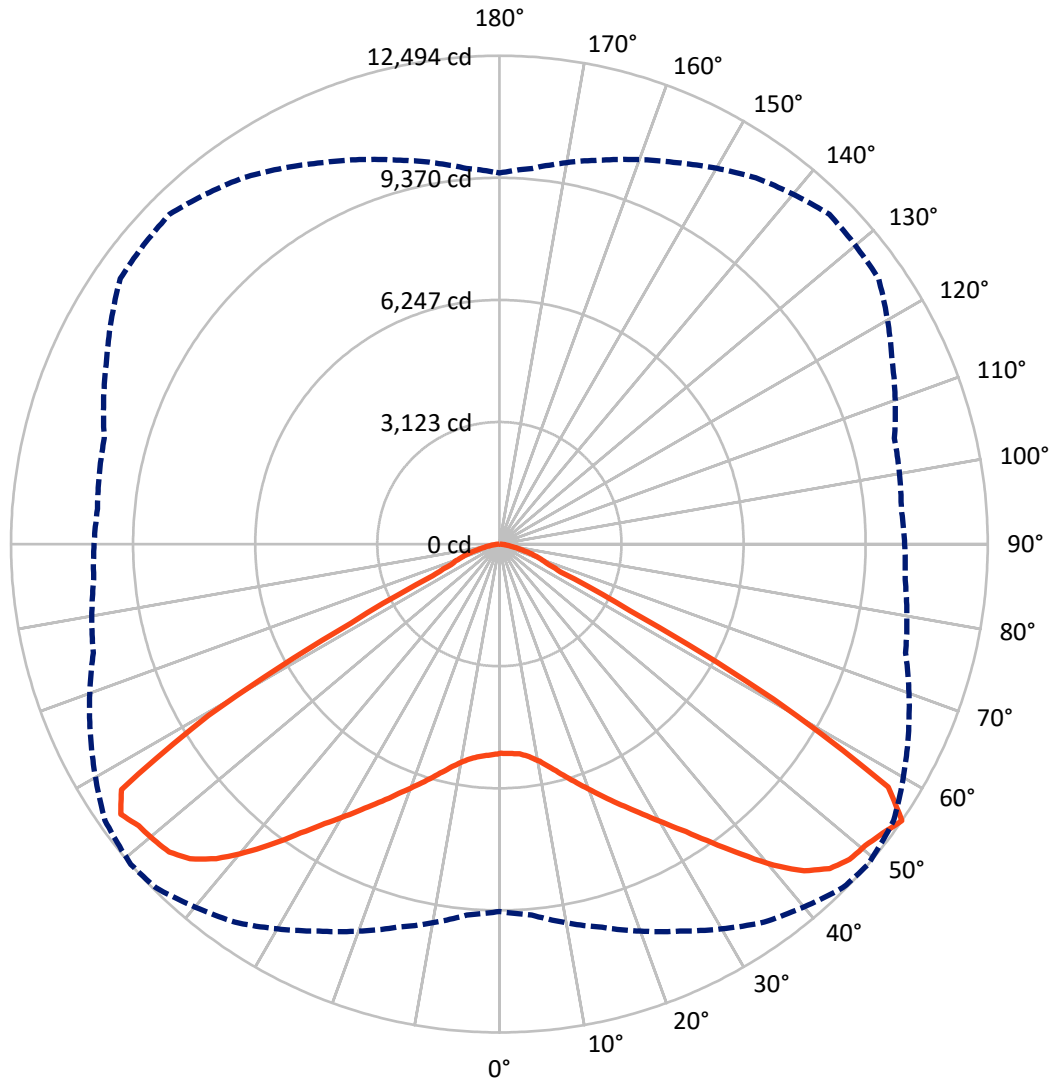
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15992.5	0.0	15992.5
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	16309.4	0.0	16309.4
	% Fixture	50.5	0.0	50.5
Total	Lumens	32301.8	0.0	32301.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	522.0	1.6
10°-20°	1721.8	5.3
20°-30°	3279.4	10.2
30°-40°	5559.3	17.2
40°-50°	8366.4	25.9
50°-60°	9157.9	28.4
60°-70°	2895.8	9.0
70°-80°	695.0	2.2
80°-90°	104.3	0.3
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°	32301.8	100.0
0°-180°	32301.8	100.0

Coefficient of Utilization



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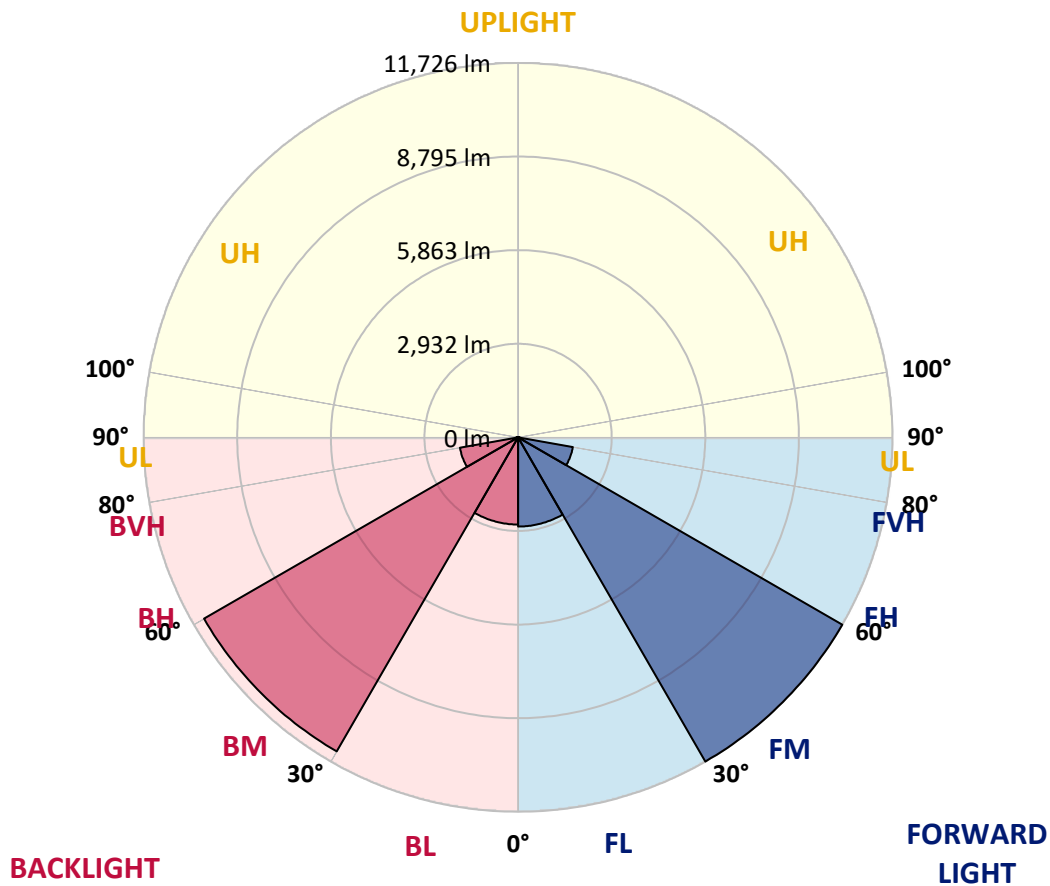
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2792.8	8.6			
FM (30°-60°)	11726.5	36.3			
FH (60°-80°)	1741.8	5.4			G1/1800
FVH (80°-90°)	48.3	0.1			G1/100
BL (0°-30°)	2730.4	8.5	B4/5000		
BM (30°-60°)	11357.1	35.2	B5		
BH (60°-80°)	1848.9	5.7	B3/2500		G2/5000
BVH (80°-90°)	56.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	5351.0	5351.0	5351.0	5351.0	5351.0	5351.0	5351.0	5351.0	5351.0	5351.0	5351.0
2.5°	5272.2	5277.4	5287.9	5306.3	5324.7	5351.0	5361.5	5374.6	5372.0	5387.8	5387.8
5°	5245.9	5253.8	5269.6	5295.8	5327.3	5377.3	5390.4	5421.9	5453.4	5492.8	5506.0
7.5°	5277.4	5287.9	5306.3	5348.4	5395.6	5461.3	5487.6	5540.1	5600.5	5671.5	5700.4
10°	5337.9	5351.0	5382.5	5450.8	5527.0	5626.8	5650.5	5716.1	5813.3	5910.5	5968.3
12.5°	5406.2	5427.2	5485.0	5592.7	5705.6	5837.0	5873.7	5955.2	6060.3	6186.3	6265.1
15°	5485.0	5503.3	5592.7	5745.0	5921.0	6094.4	6136.4	6215.2	6333.4	6456.9	6567.2
17.5°	5650.5	5682.0	5787.1	5963.1	6168.0	6372.9	6420.1	6509.5	6604.0	6701.2	6806.3
20°	5876.4	5902.6	6036.6	6254.6	6496.3	6682.8	6730.1	6808.9	6853.6	6903.5	6992.8
22.5°	6102.3	6139.1	6291.4	6548.9	6832.6	7034.8	7071.6	7145.2	7113.6	7097.9	7155.7
25°	6383.4	6433.3	6583.0	6864.1	7153.0	7402.6	7431.5	7494.5	7442.0	7360.6	7357.9
27.5°	6732.7	6777.4	6932.4	7221.3	7507.7	7767.7	7822.9	7907.0	7791.4	7691.6	7620.6
30°	7147.8	7176.7	7347.4	7654.8	7949.0	8195.9	8266.8	8350.9	8264.2	8098.7	8027.8
32.5°	7631.1	7670.5	7867.6	8190.7	8453.4	8700.3	8771.2	8876.3	8781.7	8595.2	8505.9
35°	8211.7	8251.1	8458.6	8810.6	9078.6	9333.4	9383.3	9470.0	9351.8	9136.3	9065.4
37.5°	8842.1	8892.0	9154.7	9488.4	9769.4	10066.3	10068.9	10095.2	9927.0	9659.1	9580.3
40°	9551.4	9617.1	9879.8	10226.5	10565.4	10807.1	10804.4	10730.9	10447.2	10032.1	9911.3
42.5°	10252.8	10305.3	10570.6	10927.9	11266.8	11495.3	11427.0	11248.4	10838.6	10273.8	10113.6
45°	10759.8	10799.2	11077.6	11479.5	11823.7	11965.5	11842.1	11626.6	11072.4	10426.2	10189.7
47.5°	10998.8	11051.4	11332.4	11731.7	12120.5	12201.9	12054.8	11852.6	11209.0	10568.0	10250.2
50°	10870.1	10938.4	11256.3	11626.6	12065.3	12233.5	12128.4	11926.1	11353.4	10707.2	10357.9
52.5°	10536.5	10602.2	11004.1	11453.3	11949.8	12283.4	12280.7	12115.2	11518.9	10746.6	10363.1
55°	9396.4	9525.1	10150.3	10925.3	11807.9	12430.5	12493.5	12317.5	11545.2	10757.1	10418.3
57.5°	6115.4	6341.3	6935.0	7943.7	9714.3	11306.2	11731.7	11773.8	11356.1	10712.5	10428.8
60°	2553.3	2734.6	3204.8	3874.7	5337.9	7231.8	8056.7	8884.2	9882.4	10244.9	10331.6
62.5°	1586.6	1602.4	1649.7	1802.1	2290.7	3215.3	3746.0	4520.9	6005.1	7268.6	7851.8
65°	1431.7	1439.5	1450.0	1439.5	1463.2	1576.1	1718.0	1988.6	2592.7	3220.6	3966.6
67.5°	1260.9	1271.4	1279.3	1271.4	1279.3	1284.6	1300.3	1324.0	1434.3	1523.6	1591.9
70°	1019.2	1035.0	1048.1	1042.9	1074.4	1074.4	1090.2	1108.6	1163.7	1229.4	1276.7
72.5°	777.6	764.4	780.2	785.4	814.3	830.1	853.7	874.8	937.8	977.2	1037.6
75°	504.4	491.2	514.9	528.0	567.4	588.4	609.4	630.5	675.1	701.4	759.2
77.5°	273.2	270.6	294.2	312.6	354.6	380.9	396.7	412.4	449.2	457.1	493.9
80°	157.6	157.6	173.4	186.5	212.8	241.7	257.4	270.6	296.8	304.7	320.5
82.5°	86.7	86.7	94.6	102.4	123.5	139.2	152.4	162.9	186.5	194.4	202.3
85°	42.0	39.4	44.7	49.9	57.8	65.7	73.6	78.8	97.2	102.4	113.0
87.5°	5.3	5.3	5.3	7.9	10.5	15.8	18.4	18.4	28.9	34.1	39.4
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°	5351.0	5351.0	5351.0	5351.0	5351.0	5351.0	5351.0	5351.0	5351.0	5351.0	5351.0
2.5°	5403.5	5369.4	5390.4	5398.3	5398.3	5390.4	5356.2	5345.7	5330.0	5306.3	5306.3
5°	5524.4	5498.1	5503.3	5490.2	5458.7	5419.3	5356.2	5324.7	5298.5	5269.6	5266.9
7.5°	5731.9	5697.7	5692.5	5642.6	5558.5	5474.5	5379.9	5322.1	5282.7	5245.9	5243.3
10°	6002.5	5970.9	5931.5	5831.7	5708.2	5584.8	5456.1	5377.3	5319.5	5266.9	5264.3
12.5°	6304.6	6267.8	6194.2	6047.1	5892.1	5771.3	5624.2	5503.3	5416.7	5345.7	5332.6
15°	6632.9	6580.4	6454.3	6280.9	6128.6	5999.8	5842.2	5668.8	5537.5	5424.5	5411.4
17.5°	6885.1	6816.8	6680.2	6517.3	6391.2	6262.5	6057.6	5839.6	5650.5	5508.6	5487.6
20°	7058.5	7003.3	6848.3	6727.5	6653.9	6541.0	6301.9	6055.0	5842.2	5663.6	5653.1
22.5°	7218.7	7153.0	7000.7	6929.8	6929.8	6853.6	6625.0	6333.4	6083.9	5876.4	5850.1
25°	7400.0	7329.0	7213.5	7205.6	7242.4	7208.2	6932.4	6619.8	6328.2	6094.4	6052.4
27.5°	7652.2	7573.3	7505.0	7552.3	7604.9	7568.1	7260.7	6898.2	6590.9	6354.5	6317.7
30°	8054.1	7956.9	7893.8	7951.6	8054.1	7946.4	7612.7	7229.2	6919.2	6659.2	6640.8
32.5°	8521.7	8411.3	8345.7	8437.6	8529.5	8361.4	8030.4	7662.7	7336.9	7063.7	7032.2
35°	9083.8	8944.6	8847.4	8970.9	9065.4	8899.9	8571.6	8222.2	7859.7	7576.0	7533.9
37.5°	9582.9	9414.8	9349.1	9522.5	9648.6	9540.9	9183.6	8855.3	8458.6	8148.6	8130.2
40°	9945.4	9779.9	9732.7	10019.0	10239.6	10213.4	9892.9	9517.2	9144.2	8787.0	8752.8
42.5°	10103.0	9987.5	9998.0	10384.1	10725.6	10893.7	10607.4	10205.5	9845.6	9475.2	9451.6
45°	10137.2	10066.3	10150.3	10633.7	11082.9	11427.0	11182.7	10846.5	10439.3	10082.0	10071.5
47.5°	10174.0	10134.6	10263.3	10775.5	11308.8	11708.1	11571.5	11224.7	10812.3	10462.9	10436.7
50°	10260.7	10244.9	10389.4	10875.4	11416.5	11784.3	11629.3	11285.1	10862.2	10518.1	10455.0
52.5°	10286.9	10260.7	10468.2	11030.3	11595.1	11781.6	11448.0	10998.8	10573.3	10189.7	10124.1
55°	10368.4	10321.1	10462.9	11088.1	11842.1	11934.0	11437.5	10765.0	10171.3	9648.6	9493.6
57.5°	10389.4	10336.8	10428.8	10993.6	11574.1	11492.7	10053.1	8687.1	7568.1	6987.5	7053.2
60°	10276.4	10292.2	10134.6	10071.5	9283.5	8195.9	6154.8	4920.2	3864.2	3417.6	3514.8
62.5°	7822.9	7888.6	7350.1	6391.2	4914.9	3895.7	2577.0	2001.7	1694.3	1615.5	1628.7
65°	3948.2	4037.5	3478.0	2876.5	2138.3	1728.5	1494.7	1447.4	1431.7	1413.3	1413.3
67.5°	1563.0	1589.3	1568.3	1468.4	1366.0	1329.2	1318.7	1313.4	1295.1	1284.6	1287.2
70°	1255.7	1276.7	1245.1	1182.1	1140.1	1137.4	1132.2	1121.7	1108.6	1108.6	1116.4
72.5°	1024.5	1045.5	1000.8	961.4	929.9	906.3	893.1	885.3	866.9	866.9	874.8
75°	753.9	767.1	730.3	725.0	690.9	667.2	646.2	635.7	612.1	601.6	609.4
77.5°	501.7	499.1	480.7	480.7	467.6	438.7	415.0	391.4	359.9	338.9	344.1
80°	325.7	325.7	317.9	317.9	304.7	281.1	252.2	228.5	210.2	194.4	194.4
82.5°	207.5	204.9	202.3	199.6	194.4	170.7	149.7	134.0	120.8	110.3	113.0
85°	115.6	115.6	110.3	110.3	99.8	86.7	76.2	65.7	57.8	55.2	55.2
87.5°	39.4	39.4	36.8	36.8	31.5	23.6	18.4	15.8	13.1	10.5	13.1
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)