

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: P635390

Luminaire Tested: GWS-SA3D-760-U-SL2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635390  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-760-U-SL2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

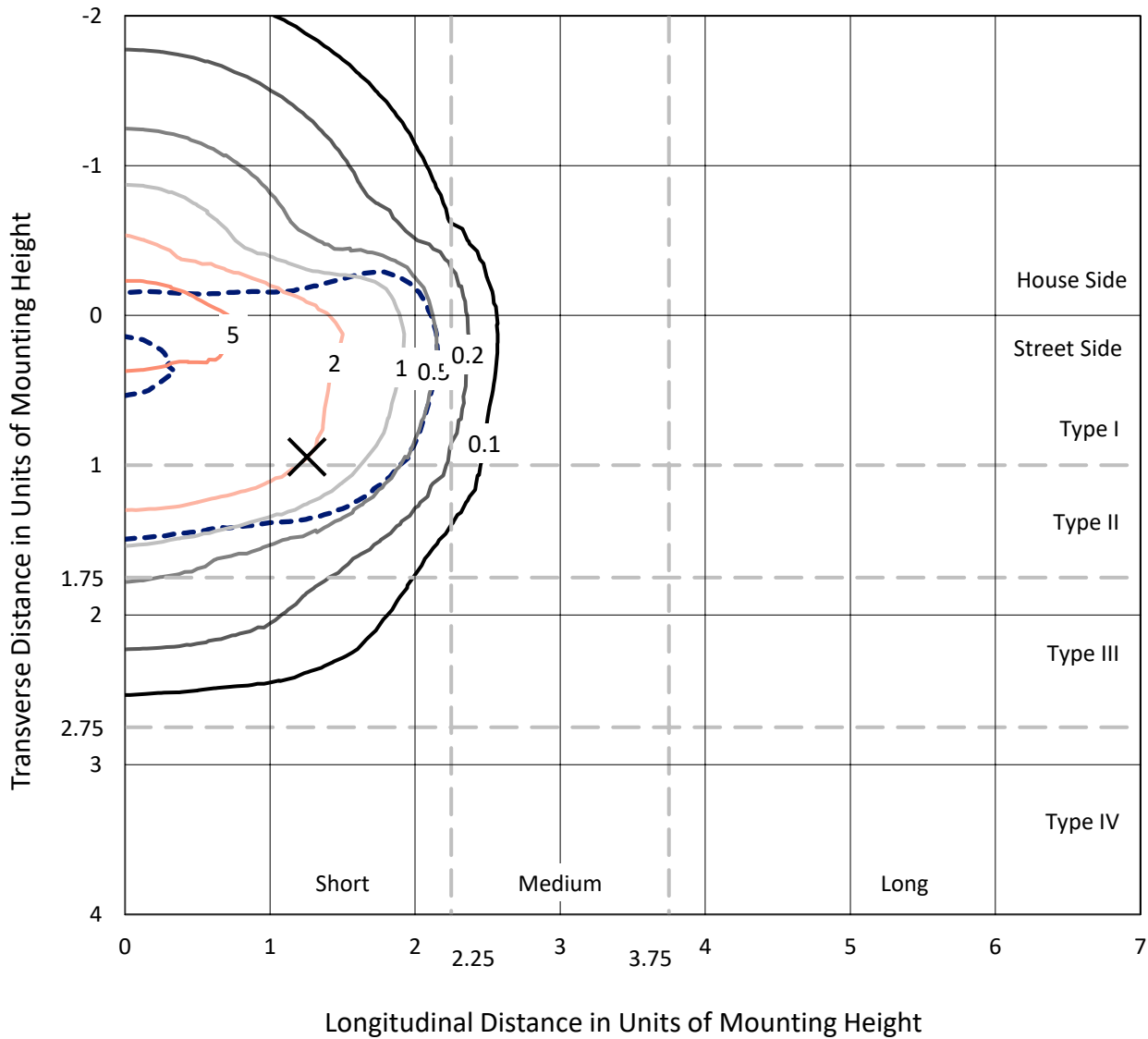
Lumens per Lamp: N/A  
Luminaire Lumens: 15122 lumens  
Efficiency: N/A  
Efficacy: 125.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

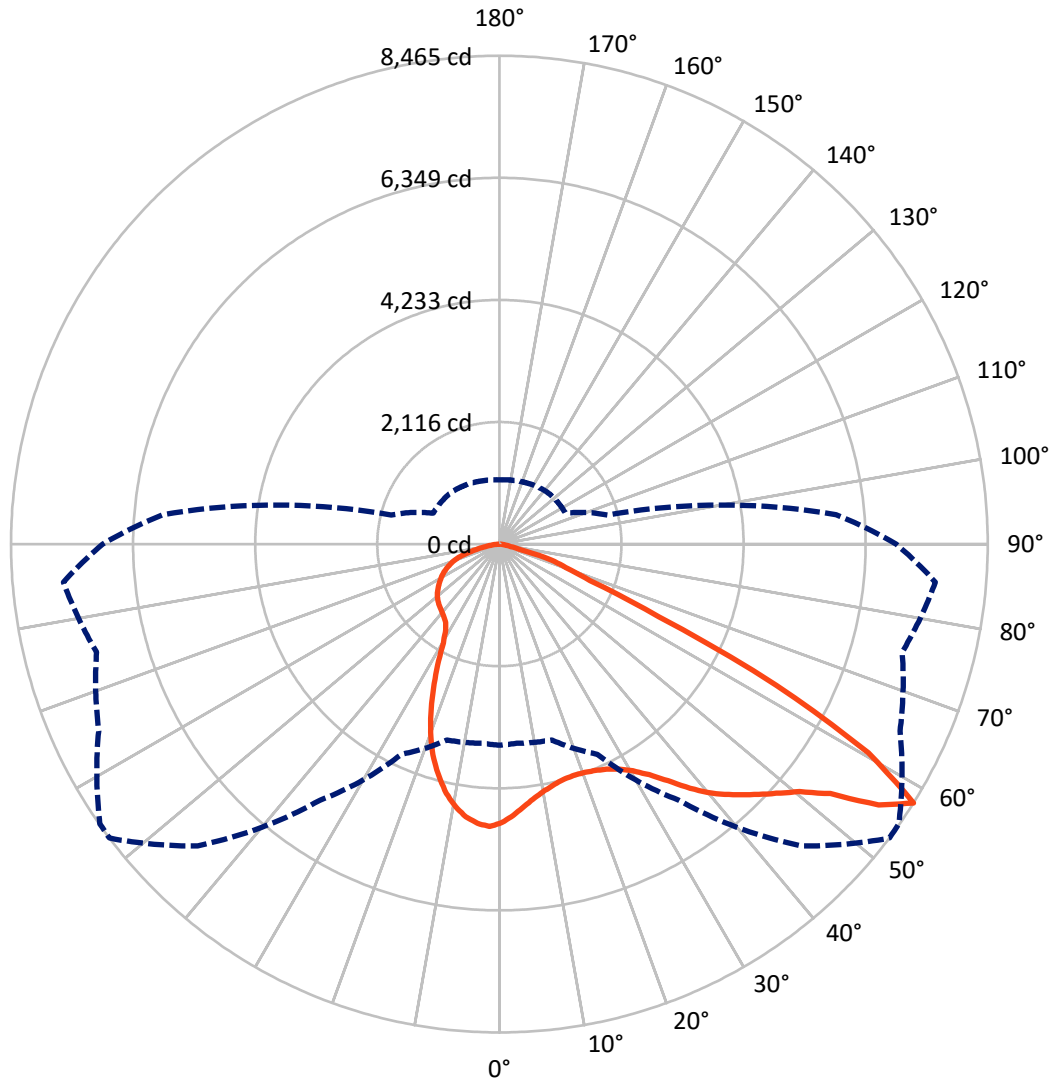
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4728.1	0.0	4728.1
	% Fixture	31.3	0.0	31.3
<b>Street Side</b>	Lumens	10393.9	0.0	10393.9
	% Fixture	68.7	0.0	68.7
<b>Total</b>	Lumens	15122.0	0.0	15122.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	436.7	2.9
10°-20°	1145.6	7.6
20°-30°	1687.9	11.2
30°-40°	2362.6	15.6
40°-50°	3105.9	20.5
50°-60°	3641.6	24.1
60°-70°	2145.3	14.2
70°-80°	533.7	3.5
80°-90°	62.6	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°	15122.0	100.0
0°-180°	15122.0	100.0

**Coefficient of Utilization**



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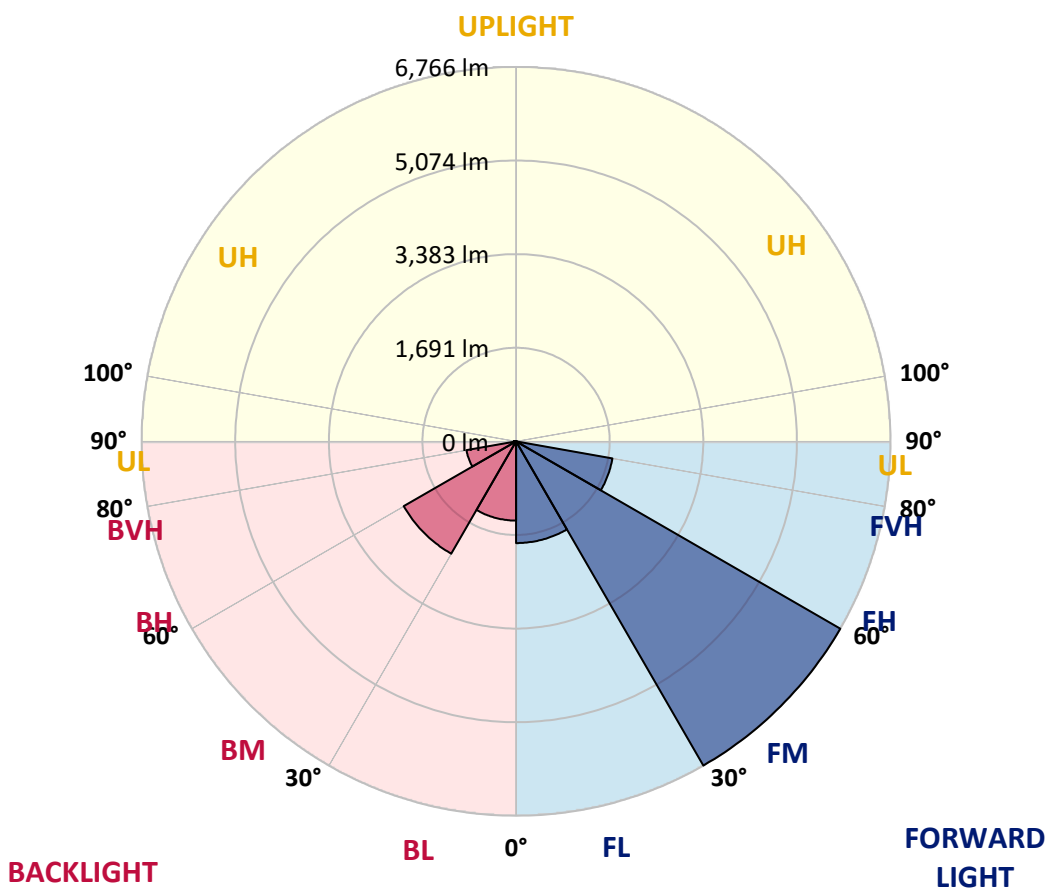
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1838.5	12.2			
FM (30°-60°)	6765.7	44.7			
FH (60°-80°)	1768.7	11.7			G1/1800
FVH (80°-90°)	21.0	0.1			G1/100
BL (0°-30°)	1431.7	9.5	B3/2500		
BM (30°-60°)	2344.4	15.5	B2/2500		
BH (60°-80°)	910.3	6.0	B2/1000		G2/1000
BVH (80°-90°)	41.7	0.3			G1/100
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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	4828.9	4828.9	4828.9	4828.9	4828.9	4828.9	4828.9	4828.9	4828.9	4828.9	4828.9
2.5°	4551.4	4564.1	4566.7	4606.1	4608.7	4665.9	4704.1	4696.5	4736.0	4784.3	4822.5
5°	4333.8	4335.0	4347.8	4394.9	4420.3	4495.4	4559.0	4559.0	4635.4	4734.7	4820.0
7.5°	4154.3	4153.0	4164.5	4216.7	4258.7	4349.0	4435.6	4445.8	4552.7	4697.8	4836.5
10°	3987.6	3996.5	4009.2	4072.8	4126.3	4238.3	4341.4	4357.9	4492.9	4672.3	4859.4
12.5°	3880.7	3881.9	3901.0	3972.3	4041.0	4160.7	4268.8	4289.2	4444.5	4648.1	4876.0
15°	3811.9	3813.2	3833.6	3912.5	3992.7	4113.6	4224.3	4247.2	4416.5	4644.3	4907.8
17.5°	3781.4	3780.1	3799.2	3878.1	3965.9	4091.9	4210.3	4238.3	4429.2	4673.6	4963.8
20°	3781.4	3782.7	3792.8	3864.1	3953.2	4086.8	4224.3	4258.7	4478.9	4739.8	5050.3
22.5°	3834.8	3839.9	3845.0	3893.4	3963.4	4094.5	4261.2	4307.0	4585.8	4850.5	5163.6
25°	3939.2	3940.5	3945.6	3985.0	4016.8	4116.1	4322.3	4391.0	4752.5	5012.1	5306.1
27.5°	4079.2	4097.0	4102.1	4127.6	4127.6	4169.6	4417.8	4517.0	4977.8	5245.1	5488.2
30°	4275.2	4281.6	4290.5	4318.5	4287.9	4270.1	4557.8	4685.0	5238.7	5526.3	5707.1
32.5°	4447.0	4461.0	4509.4	4555.2	4500.5	4444.5	4764.0	4914.1	5489.4	5819.1	5940.0
35°	4593.4	4627.8	4720.7	4822.5	4784.3	4728.3	5037.6	5194.1	5695.6	6029.1	6146.2
37.5°	4770.3	4797.0	4924.3	5089.8	5124.1	5097.4	5371.1	5483.1	5833.1	6082.5	6258.2
40°	4949.8	4990.5	5154.7	5383.8	5514.9	5534.0	5679.1	5754.2	5880.2	5978.2	6236.5
42.5°	5133.1	5203.1	5428.3	5695.6	5928.5	5971.8	5938.7	5970.5	5864.9	5834.3	6136.0
45°	5357.1	5439.8	5694.3	6035.4	6342.2	6409.6	6193.3	6164.0	5862.3	5779.6	6073.6
47.5°	5621.8	5704.5	5947.6	6344.7	6736.7	6786.4	6454.2	6400.7	5951.4	5863.6	6157.6
50°	5856.0	5913.3	6130.9	6575.1	7104.6	7133.8	6741.8	6676.9	6172.9	6096.5	6419.8
52.5°	5618.0	5611.6	5840.7	6388.0	7295.5	7648.0	7184.7	7122.4	6600.5	6483.5	6825.8
55°	4766.5	4694.0	4898.9	5437.2	6762.2	8105.0	7979.0	7854.2	7170.7	6872.9	7206.4
57.5°	3484.8	3464.5	3514.1	4019.4	5416.9	7397.3	8465.1	8453.7	7663.3	7229.3	7585.7
60°	2725.0	2694.4	2562.1	2576.1	3692.3	5778.3	7346.4	7683.7	7968.8	7443.1	7850.4
62.5°	2419.5	2396.6	2327.9	2138.2	2199.3	3874.3	5385.1	5694.3	6963.3	6573.8	6743.1
65°	2003.3	1997.0	2054.2	2046.6	1843.0	2139.5	3039.4	3351.2	4378.3	4433.0	4378.3
67.5°	1456.0	1444.6	1589.7	1876.1	1774.2	1615.1	1694.0	1802.2	2245.2	2016.1	1815.0
70°	946.9	930.4	1014.4	1355.5	1588.4	1407.7	1220.6	1202.8	1234.6	767.5	829.8
72.5°	635.1	616.0	614.7	745.8	959.7	948.2	945.7	936.8	836.2	605.8	672.0
75°	353.8	338.6	334.7	322.0	343.6	350.0	372.9	385.6	417.5	459.5	509.1
77.5°	59.8	58.5	73.8	94.2	129.8	166.7	206.2	217.6	268.6	318.2	350.0
80°	33.1	34.4	44.5	54.7	72.5	99.3	127.3	134.9	165.5	192.2	217.6
82.5°	17.8	17.8	22.9	29.3	39.5	52.2	68.7	75.1	95.5	112.0	129.8
85°	6.4	6.4	8.9	11.5	16.5	21.6	26.7	30.5	42.0	57.3	64.9
87.5°	0.0	0.0	0.0	0.0	1.3	2.5	5.1	5.1	6.4	11.5	16.5
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°	4828.9	4828.9	4828.9	4828.9	4828.9	4828.9	4828.9	4828.9	4828.9	4828.9	4828.9
2.5°	4854.3	4820.0	4867.0	4888.7	4896.3	4901.4	4868.3	4845.4	4837.8	4813.6	4799.6
5°	4872.1	4849.2	4893.8	4893.8	4862.0	4828.9	4761.4	4714.3	4681.2	4641.8	4635.4
7.5°	4902.7	4886.1	4910.3	4860.7	4780.5	4691.4	4574.3	4482.7	4408.9	4360.5	4361.8
10°	4943.4	4923.0	4904.0	4793.2	4646.9	4482.7	4303.2	4169.6	4047.4	3991.4	3960.8
12.5°	4970.1	4940.9	4860.7	4677.4	4462.3	4242.1	3988.8	3790.3	3613.4	3533.2	3526.8
15°	5003.2	4949.8	4789.4	4527.2	4228.1	3927.7	3601.9	3325.7	3086.5	2961.7	2955.4
17.5°	5046.5	4958.7	4704.1	4355.4	3981.2	3538.3	3128.5	2781.0	2526.4	2429.7	2446.3
20°	5107.6	4968.9	4607.4	4164.5	3674.5	3095.4	2585.0	2265.5	2167.5	2161.2	2148.4
22.5°	5176.3	4975.2	4500.5	3950.7	3302.8	2623.2	2135.7	1999.5	1998.2	2030.1	2037.7
25°	5254.0	4980.3	4379.6	3701.2	2900.6	2152.2	1888.8	1848.1	1879.9	1939.7	1947.3
27.5°	5353.2	4990.5	4233.2	3427.6	2473.0	1859.5	1752.6	1742.4	1780.6	1836.6	1834.1
30°	5499.6	5027.4	4077.9	3113.2	2033.9	1720.8	1669.9	1671.1	1686.4	1713.1	1717.0
32.5°	5648.5	5084.7	3926.5	2759.4	1781.9	1641.9	1619.0	1616.4	1616.4	1627.9	1630.4
35°	5789.8	5149.6	3762.3	2390.2	1659.7	1596.0	1580.8	1573.1	1569.3	1566.8	1563.0
37.5°	5868.7	5181.4	3601.9	2026.2	1594.8	1565.5	1550.2	1540.0	1526.0	1515.9	1513.3
40°	5834.3	5144.5	3416.1	1753.9	1555.3	1536.2	1518.4	1504.4	1485.3	1476.4	1471.3
42.5°	5719.8	5030.0	3213.7	1625.3	1523.5	1504.4	1482.8	1459.9	1447.1	1439.5	1438.2
45°	5598.9	4891.2	2969.4	1550.2	1493.0	1470.0	1444.6	1419.1	1405.1	1401.3	1400.0
47.5°	5595.1	4822.5	2709.7	1490.4	1456.0	1433.1	1401.3	1375.9	1360.6	1355.5	1350.4
50°	5763.1	4892.5	2417.0	1438.2	1417.9	1393.7	1358.0	1330.0	1310.9	1304.6	1303.3
52.5°	6111.8	5156.0	2154.8	1386.0	1366.9	1338.9	1309.7	1281.7	1258.8	1247.3	1246.0
55°	6488.5	5490.7	1991.9	1332.6	1307.1	1282.9	1256.2	1225.7	1200.2	1182.4	1179.9
57.5°	6878.0	5856.0	1942.2	1265.1	1246.0	1229.5	1197.7	1164.6	1135.3	1118.8	1114.9
60°	7198.7	6170.4	2035.1	1193.9	1183.7	1162.0	1132.8	1100.9	1080.6	1067.8	1065.3
62.5°	6026.5	5023.6	1643.1	1116.2	1116.2	1093.3	1060.2	1037.3	1023.3	1014.4	1011.8
65°	3824.7	3110.6	1121.3	1038.6	1037.3	1006.8	978.8	963.5	957.1	943.1	940.6
67.5°	1666.0	1421.7	958.4	959.7	954.6	921.5	893.5	882.0	869.3	854.0	852.8
70°	864.2	880.8	857.8	871.8	862.9	823.5	796.7	778.9	752.2	736.9	738.2
72.5°	697.5	715.3	740.7	762.4	743.3	711.5	669.5	647.8	613.5	596.9	598.2
75°	532.0	551.1	575.3	598.2	582.9	543.5	516.7	495.1	455.6	436.6	440.4
77.5°	366.6	376.7	406.0	404.7	399.6	388.2	348.7	323.3	282.6	259.6	262.2
80°	227.8	234.2	248.2	254.6	252.0	236.7	204.9	185.8	161.6	147.6	148.9
82.5°	137.5	141.3	154.0	155.3	154.0	142.5	118.4	104.4	89.1	81.5	81.5
85°	70.0	72.5	80.2	80.2	72.5	61.1	54.7	48.4	39.5	35.6	35.6
87.5°	19.1	19.1	24.2	20.4	16.5	15.3	7.6	6.4	2.5	1.3	1.3
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)