

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: P635885

Luminaire Tested: GWS-SA3E-760-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635885
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-SA3E-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: 18897.1 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

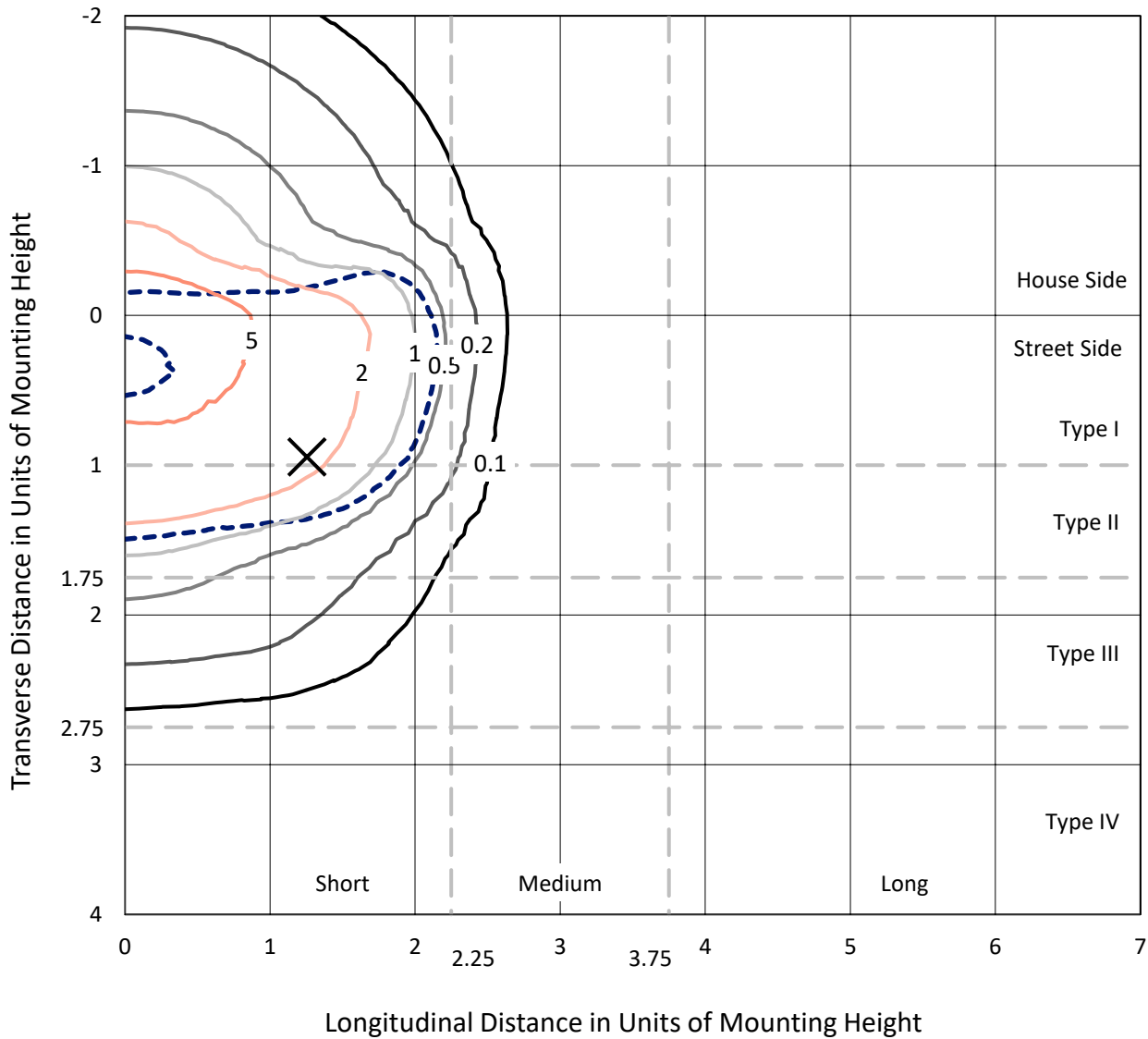
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

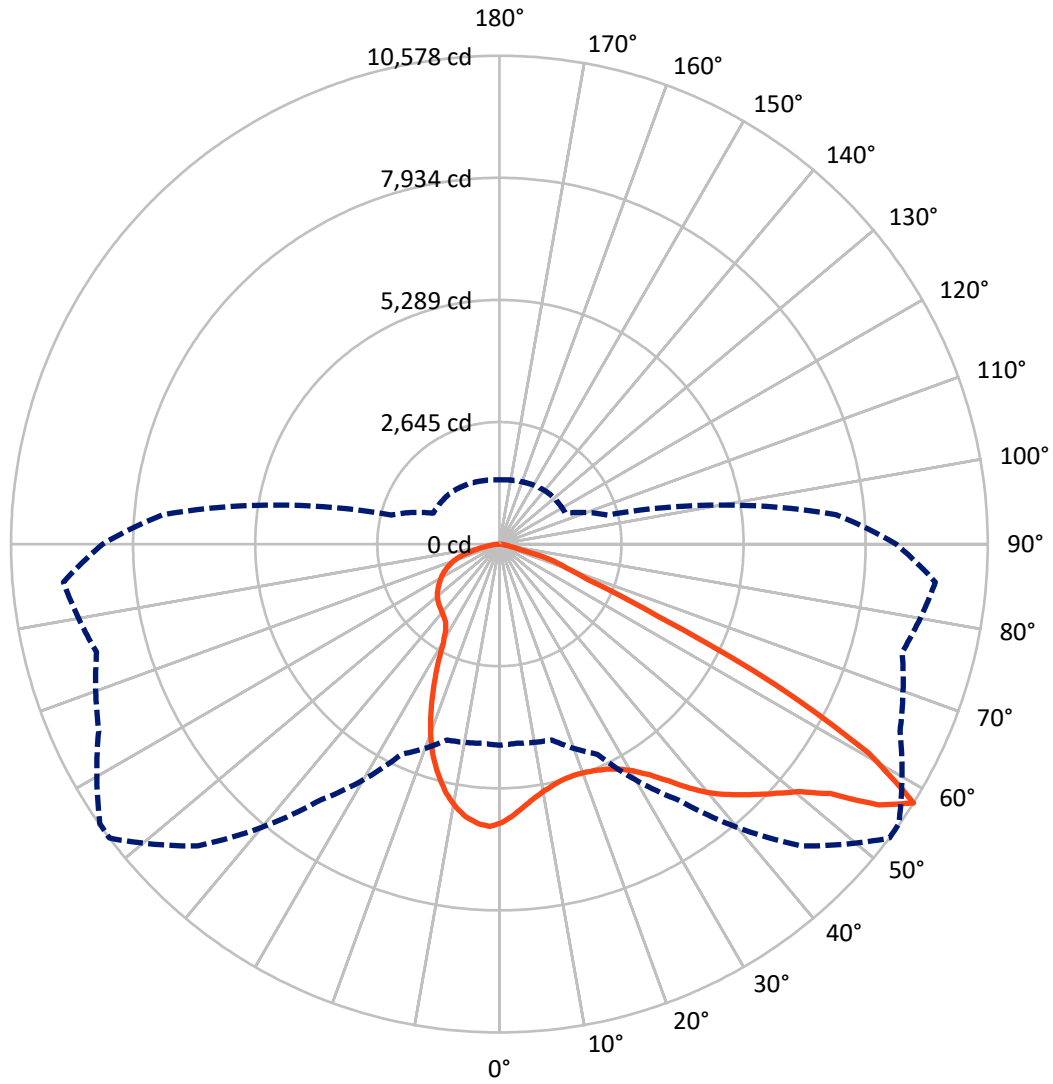
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 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
House Side	Lumens	5908.4	0.0	5908.4
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	12988.7	0.0	12988.7
	% Fixture	68.7	0.0	68.7
Total	Lumens	18897.1	0.0	18897.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	545.7	2.9
10°-20°	1431.6	7.6
20°-30°	2109.3	11.2
30°-40°	2952.5	15.6
40°-50°	3881.2	20.5
50°-60°	4550.7	24.1
60°-70°	2680.9	14.2
70°-80°	666.9	3.5
80°-90°	78.2	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°	18897.1	100.0
0°-180°	18897.1	100.0

Coefficient of Utilization



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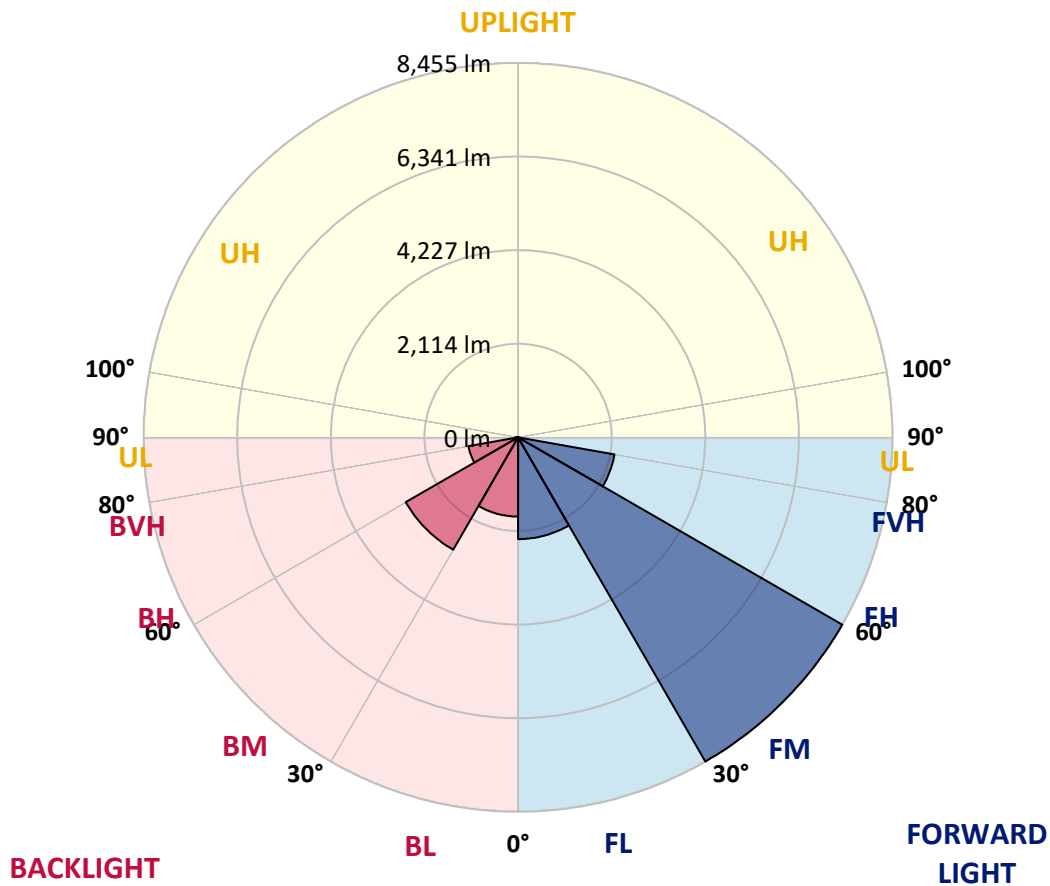
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2297.5	12.2			
FM (30°-60°)	8454.7	44.7			
FH (60°-80°)	2210.2	11.7			G2/5000
FVH (80°-90°)	26.2	0.1			G1/100
BL (0°-30°)	1789.1	9.5	B3/2500		
BM (30°-60°)	2929.7	15.5	B3/5000		
BH (60°-80°)	1137.6	6.0	B3/2500		G3/2500
BVH (80°-90°)	52.1	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	6034.4	6034.4	6034.4	6034.4	6034.4	6034.4	6034.4	6034.4	6034.4	6034.4	6034.4
2.5°	5687.6	5703.5	5706.7	5756.0	5759.2	5830.8	5878.5	5868.9	5918.2	5978.7	6026.4
5°	5415.7	5417.2	5433.1	5492.0	5523.8	5617.6	5697.2	5697.2	5792.6	5916.7	6023.2
7.5°	5191.4	5189.8	5204.1	5269.3	5321.8	5434.7	5542.9	5555.6	5689.2	5870.5	6043.9
10°	4983.0	4994.2	5010.1	5089.6	5156.4	5296.4	5425.2	5445.9	5614.5	5838.7	6072.5
12.5°	4849.4	4851.0	4874.9	4963.9	5049.8	5199.3	5334.5	5360.0	5554.0	5808.5	6093.2
15°	4763.5	4765.1	4790.6	4889.2	4989.4	5140.5	5278.9	5307.5	5519.0	5803.7	6133.0
17.5°	4725.4	4723.8	4747.6	4846.3	4956.0	5113.5	5261.4	5296.4	5534.9	5840.3	6202.9
20°	4725.4	4727.0	4739.7	4828.8	4940.1	5107.1	5278.9	5321.8	5597.0	5923.0	6311.1
22.5°	4792.2	4798.5	4804.9	4865.3	4952.8	5116.6	5325.0	5382.2	5730.6	6061.4	6452.7
25°	4922.6	4924.2	4930.5	4979.9	5019.6	5143.7	5401.3	5487.2	5938.9	6263.4	6630.8
27.5°	5097.6	5119.8	5126.2	5158.0	5158.0	5210.5	5520.6	5644.7	6220.4	6554.4	6858.2
30°	5342.5	5350.4	5361.6	5396.6	5358.4	5336.1	5695.6	5854.6	6546.5	6905.9	7131.8
32.5°	5557.2	5574.7	5635.1	5692.4	5624.0	5554.0	5953.2	6140.9	6859.8	7271.8	7422.9
35°	5740.1	5783.1	5899.2	6026.4	5978.7	5908.7	6295.2	6490.8	7117.5	7534.2	7680.5
37.5°	5961.2	5994.6	6153.6	6360.4	6403.4	6369.9	6711.9	6851.9	7289.3	7601.0	7820.5
40°	6185.5	6236.3	6441.5	6727.8	6891.6	6915.5	7096.8	7190.6	7348.1	7470.6	7793.4
42.5°	6414.5	6502.0	6783.5	7117.5	7408.5	7462.6	7421.3	7461.0	7329.0	7290.8	7667.8
45°	6694.4	6797.8	7115.9	7542.1	7925.5	8009.8	7739.4	7702.8	7325.8	7222.5	7589.9
47.5°	7025.2	7128.6	7432.4	7928.6	8418.5	8480.5	8065.4	7998.6	7437.2	7327.4	7694.8
50°	7317.9	7389.5	7661.4	8216.5	8878.2	8914.7	8424.9	8343.8	7713.9	7618.5	8022.5
52.5°	7020.5	7012.5	7298.8	7982.7	9116.7	9557.3	8978.4	8900.4	8248.3	8102.0	8529.8
55°	5956.4	5865.8	6121.8	6794.6	8450.3	10128.3	9970.8	9815.0	8960.9	8588.7	9005.4
57.5°	4354.8	4329.3	4391.4	5022.8	6769.2	9244.0	10578.4	10564.1	9576.4	9034.0	9479.4
60°	3405.3	3367.1	3201.7	3219.2	4614.0	7220.9	9180.4	9601.8	9958.1	9301.2	9810.2
62.5°	3023.5	2994.9	2909.0	2672.0	2748.4	4841.5	6729.4	7115.9	8701.6	8214.9	8426.5
65°	2503.4	2495.5	2567.1	2557.5	2303.0	2673.6	3798.1	4187.8	5471.3	5539.7	5471.3
67.5°	1819.5	1805.2	1986.5	2344.4	2217.2	2018.3	2117.0	2252.1	2805.6	2519.4	2268.1
70°	1183.3	1162.7	1267.6	1693.9	1984.9	1759.1	1525.3	1503.0	1542.8	959.1	1037.0
72.5°	793.7	769.8	768.2	932.0	1199.2	1184.9	1181.7	1170.6	1045.0	757.1	839.8
75°	442.2	423.1	418.3	402.4	429.4	437.4	466.0	481.9	521.7	574.2	636.2
77.5°	74.8	73.2	92.2	117.7	162.2	208.4	257.7	272.0	335.6	397.6	437.4
80°	41.4	42.9	55.7	68.4	90.7	124.1	159.0	168.6	206.8	240.2	272.0
82.5°	22.3	22.3	28.6	36.6	49.3	65.2	85.9	93.8	119.3	140.0	162.2
85°	8.0	8.0	11.1	14.3	20.7	27.0	33.4	38.2	52.5	71.6	81.1
87.5°	0.0	0.0	0.0	0.0	1.6	3.2	6.4	6.4	8.0	14.3	20.7
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°	6034.4	6034.4	6034.4	6034.4	6034.4	6034.4	6034.4	6034.4	6034.4	6034.4	6034.4
2.5°	6066.2	6023.2	6082.1	6109.1	6118.7	6125.0	6083.7	6055.0	6045.5	6015.3	5997.8
5°	6088.4	6059.8	6115.5	6115.5	6075.7	6034.4	5950.1	5891.2	5849.9	5800.6	5792.6
7.5°	6126.6	6105.9	6136.1	6074.1	5973.9	5862.6	5716.3	5601.7	5509.5	5449.1	5450.6
10°	6177.5	6152.1	6128.2	5989.8	5806.9	5601.7	5377.5	5210.5	5057.8	4987.8	4949.6
12.5°	6210.9	6174.3	6074.1	5845.1	5576.3	5301.1	4984.6	4736.5	4515.4	4415.2	4407.3
15°	6252.3	6185.5	5985.0	5657.4	5283.6	4908.3	4501.1	4156.0	3857.0	3701.1	3693.1
17.5°	6306.3	6196.6	5878.5	5442.7	4975.1	4421.6	3909.4	3475.2	3157.1	3036.3	3056.9
20°	6382.7	6209.3	5757.6	5204.1	4591.8	3868.1	3230.3	2831.1	2708.6	2700.7	2684.8
22.5°	6468.6	6217.3	5624.0	4936.9	4127.3	3278.0	2668.9	2498.7	2497.1	2536.8	2546.4
25°	6565.6	6223.6	5472.9	4625.2	3624.7	2689.5	2360.3	2309.4	2349.2	2423.9	2433.5
27.5°	6689.6	6236.3	5290.0	4283.2	3090.3	2323.7	2190.1	2177.4	2225.1	2295.1	2291.9
30°	6872.5	6282.5	5096.0	3890.4	2541.6	2150.4	2086.7	2088.3	2107.4	2140.8	2145.6
32.5°	7058.6	6354.0	4906.7	3448.2	2226.7	2051.7	2023.1	2019.9	2019.9	2034.2	2037.4
35°	7235.2	6435.2	4701.5	2987.0	2074.0	1994.5	1975.4	1965.9	1961.1	1957.9	1953.1
37.5°	7333.8	6474.9	4501.1	2532.1	1992.9	1956.3	1937.2	1924.5	1907.0	1894.3	1891.1
40°	7290.8	6428.8	4268.9	2191.7	1943.6	1919.7	1897.5	1880.0	1856.1	1845.0	1838.6
42.5°	7147.7	6285.7	4016.0	2031.1	1903.8	1880.0	1852.9	1824.3	1808.4	1798.9	1797.3
45°	6996.6	6112.3	3710.6	1937.2	1865.7	1837.0	1805.2	1773.4	1755.9	1751.1	1749.5
47.5°	6991.8	6026.4	3386.2	1862.5	1819.5	1790.9	1751.1	1719.3	1700.2	1693.9	1687.5
50°	7201.8	6113.9	3020.4	1797.3	1771.8	1741.6	1697.1	1662.1	1638.2	1630.3	1628.7
52.5°	7637.6	6443.1	2692.7	1732.1	1708.2	1673.2	1636.6	1601.6	1573.0	1558.7	1557.1
55°	8108.4	6861.4	2489.1	1665.3	1633.4	1603.2	1569.8	1531.7	1499.8	1477.6	1474.4
57.5°	8595.1	7317.9	2427.1	1581.0	1557.1	1536.4	1496.7	1455.3	1418.7	1398.0	1393.3
60°	8995.9	7710.7	2543.2	1491.9	1479.2	1452.1	1415.5	1375.8	1350.3	1334.4	1331.2
62.5°	7531.0	6277.7	2053.3	1394.9	1394.9	1366.2	1324.9	1296.3	1278.8	1267.6	1264.4
65°	4779.5	3887.2	1401.2	1297.8	1296.3	1258.1	1223.1	1204.0	1196.1	1178.6	1175.4
67.5°	2082.0	1776.6	1197.6	1199.2	1192.9	1151.5	1116.5	1102.2	1086.3	1067.2	1065.6
70°	1079.9	1100.6	1072.0	1089.5	1078.4	1029.1	995.7	973.4	940.0	920.9	922.5
72.5°	871.6	893.9	925.7	952.7	928.9	889.1	836.6	809.6	766.6	745.9	747.5
75°	664.8	688.7	718.9	747.5	728.4	679.1	645.7	618.7	569.4	545.5	550.3
77.5°	458.1	470.8	507.4	505.8	499.4	485.1	435.8	404.0	353.1	324.5	327.6
80°	284.7	292.7	310.1	318.1	314.9	295.8	256.1	232.2	202.0	184.5	186.1
82.5°	171.8	176.5	192.5	194.0	192.5	178.1	147.9	130.4	111.3	101.8	101.8
85°	87.5	90.7	100.2	100.2	90.7	76.3	68.4	60.4	49.3	44.5	44.5
87.5°	23.9	23.9	30.2	25.4	20.7	19.1	9.5	8.0	3.2	1.6	1.6
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)