

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: P643756

Luminaire Tested: GWS-SA6F-750-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643756
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6F-750-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49883.2 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G5

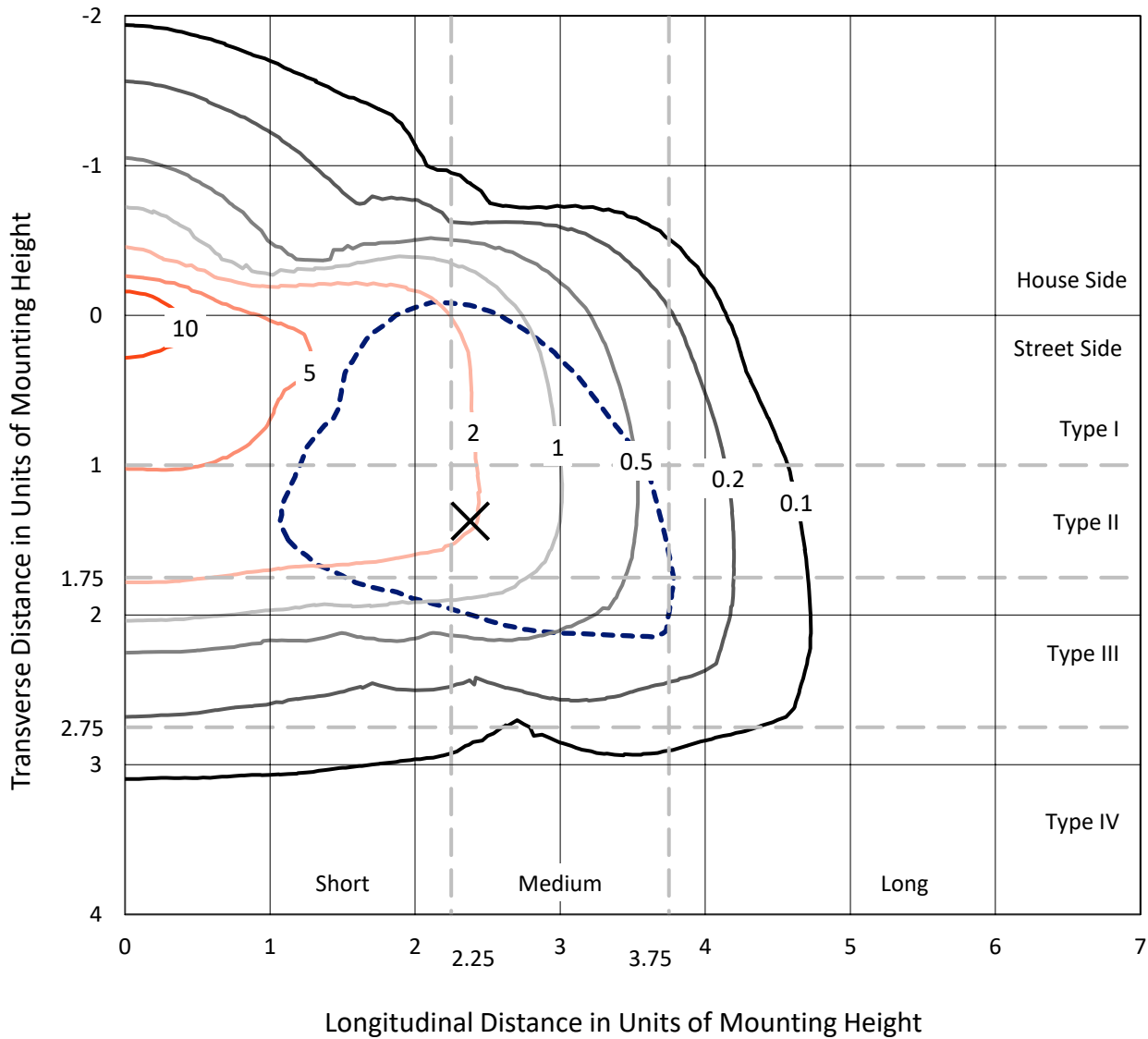
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

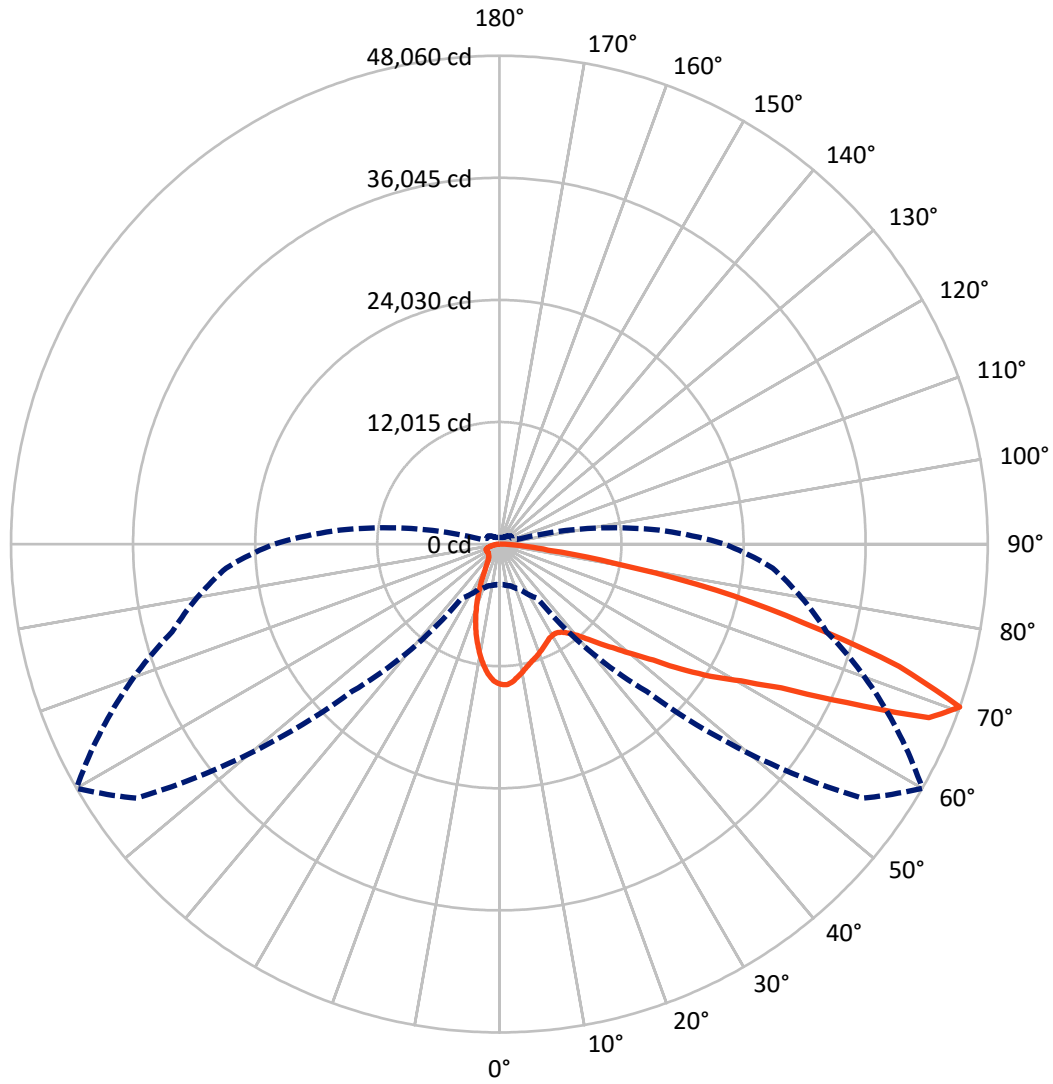
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 15.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8531.2	0.0	8531.2
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	41352.0	0.0	41352.0
	% Fixture	82.9	0.0	82.9
Total	Lumens	49883.2	0.0	49883.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1189.8	2.4
10°-20°	2665.5	5.3
20°-30°	3413.6	6.8
30°-40°	4486.3	9.0
40°-50°	6509.0	13.0
50°-60°	10155.5	20.4
60°-70°	13295.6	26.7
70°-80°	7352.0	14.7
80°-90°	815.9	1.6
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°	49883.2	100.0
0°-180°	49883.2	100.0

Coefficient of Utilization



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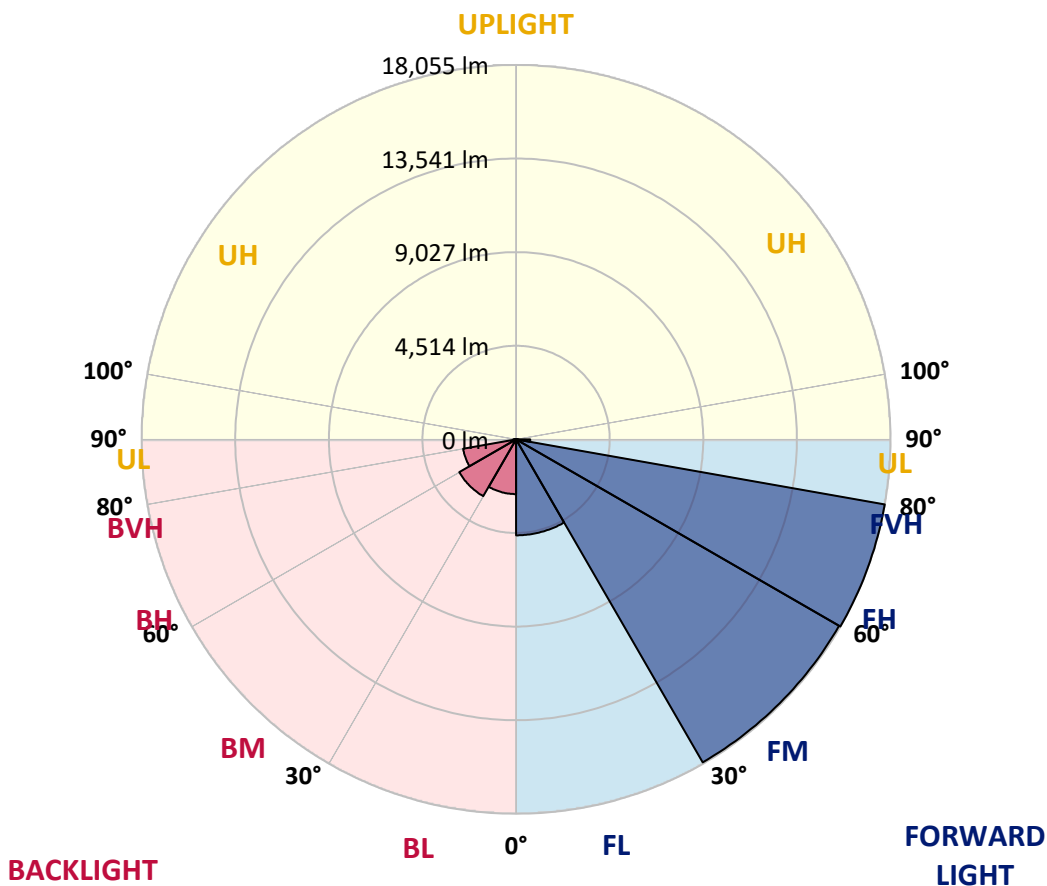
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4629.5	9.3			
FM (30°-60°)	17987.7	36.1			
FH (60°-80°)	18055.0	36.2			G5
FVH (80°-90°)	679.9	1.4			G4/750
BL (0°-30°)	2639.5	5.3	B4/5000		
BM (30°-60°)	3163.1	6.3	B3/5000		
BH (60°-80°)	2592.6	5.2	B4/5000		G4/5000
BVH (80°-90°)	136.0	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	13803.3	13803.3	13803.3	13803.3	13803.3	13803.3	13803.3	13803.3	13803.3	13803.3	13803.3
2.5°	13609.9	13624.5	13664.6	13723.0	13781.4	13810.6	13883.6	13861.7	13847.1	13817.9	13781.4
5°	13007.7	13036.9	13073.4	13186.5	13314.3	13416.5	13580.7	13598.9	13606.2	13620.8	13562.4
7.5°	12241.2	12248.5	12336.1	12485.8	12653.7	12828.8	13102.6	13179.2	13244.9	13317.9	13270.5
10°	11394.5	11412.7	11478.4	11693.8	11982.1	12241.2	12609.9	12737.6	12876.3	13036.9	12971.2
12.5°	10701.0	10704.7	10810.5	11040.5	11354.3	11704.7	12164.6	12317.9	12500.4	12752.2	12693.8
15°	10149.9	10149.9	10248.5	10445.6	10806.9	11219.3	11766.8	11963.9	12212.0	12551.5	12449.3
17.5°	9712.0	9715.6	9777.7	9985.7	10306.9	10763.1	11412.7	11679.2	11952.9	12401.8	12248.5
20°	9482.0	9463.8	9474.7	9602.5	9876.2	10317.8	11058.7	11368.9	11737.6	12299.6	12066.0
22.5°	9471.1	9438.2	9390.8	9401.7	9562.3	9927.3	10679.1	11055.1	11518.6	12215.7	11879.9
25°	9657.2	9620.7	9536.8	9441.9	9427.3	9646.3	10321.5	10748.5	11292.3	12179.2	11701.1
27.5°	9971.1	9945.5	9836.1	9693.7	9544.1	9536.8	10051.4	10496.7	11128.1	12215.7	11573.3
30°	10387.2	10343.4	10274.0	10091.5	9865.3	9631.7	9945.5	10361.6	11018.6	12332.5	11518.6
32.5°	10858.0	10832.4	10766.7	10584.3	10343.4	9971.1	10029.5	10390.8	11018.6	12536.9	11529.5
35°	11358.0	11354.3	11354.3	11233.9	10967.5	10504.0	10361.6	10639.0	11186.5	12865.3	11646.3
37.5°	11843.4	11839.8	11956.6	12000.4	11697.4	11197.4	10927.3	11135.4	11555.1	13350.8	11934.7
40°	12237.6	12252.2	12507.7	12726.7	12558.8	12095.2	11715.7	11821.5	12153.6	14040.6	12438.3
42.5°	12635.4	12675.6	13058.8	13445.7	13511.3	13109.9	12726.7	12788.7	13011.3	14953.0	13190.2
45°	13069.7	13088.0	13624.5	14164.7	14482.2	14244.9	13931.1	14015.0	14066.1	16080.8	14310.6
47.5°	13489.4	13536.9	14230.3	14971.2	15573.5	15551.6	15376.4	15350.8	15361.8	17453.1	15635.5
50°	14062.5	14131.8	14945.7	15839.9	16723.1	17128.2	17179.3	16985.9	16905.6	18978.7	17285.2
52.5°	15150.1	15150.1	15880.0	16759.6	17945.8	18949.5	19292.5	18975.0	18719.5	20591.8	19037.1
55°	16511.4	16569.8	17150.1	17861.8	19365.5	20865.6	22026.2	21675.8	20953.2	22347.4	20872.9
57.5°	17117.3	17190.3	18110.0	19215.9	21223.3	23044.5	24654.0	24529.9	23475.1	24172.2	22778.0
60°	16022.4	16175.7	17442.1	19296.2	22905.8	26559.2	27694.2	27332.9	25825.6	26088.4	24843.8
62.5°	13365.4	13533.2	14938.4	17526.1	22672.2	30358.6	32486.4	31154.2	28760.0	28508.1	27595.7
65°	7974.7	7967.4	9657.2	13088.0	19792.6	31413.3	40070.5	37585.1	33293.0	31829.4	30427.9
67.5°	5069.5	5058.5	5412.6	6934.5	13171.9	28829.3	44946.6	45592.6	39450.1	34271.1	30661.5
70°	4000.1	3996.5	4252.0	4945.4	6514.8	20515.2	43588.9	48059.8	43169.2	33340.4	26997.1
72.5°	2916.1	2923.4	3317.6	4142.5	5025.7	10299.6	35296.7	41121.7	39705.6	29431.5	21916.7
75°	2095.0	2105.9	2343.1	3171.6	4635.2	5631.6	23471.5	30920.6	30208.9	23591.9	15077.1
77.5°	1332.2	1346.8	1554.8	2222.7	3744.6	4547.6	14230.3	21829.1	20099.1	13292.4	5361.5
80°	813.9	861.3	1036.5	1657.0	2992.8	3412.5	7113.3	11500.3	10066.0	3646.1	1803.0
82.5°	419.7	456.2	624.1	1025.6	2062.1	2996.4	4025.7	4832.3	3116.9	1525.6	959.9
85°	131.4	153.3	219.0	416.1	981.8	1857.7	2664.3	2401.5	1430.7	719.0	445.3
87.5°	32.8	32.8	36.5	36.5	40.1	83.9	514.6	543.8	379.6	226.3	182.5
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°	13803.3	13803.3	13803.3	13803.3	13803.3	13803.3	13803.3	13803.3	13803.3	13803.3	13803.3
2.5°	13708.4	13620.8	13584.3	13580.7	13489.4	13358.1	13270.5	13208.4	13171.9	13164.6	13164.6
5°	13463.9	13350.8	13201.1	13088.0	12843.4	12595.3	12387.2	12270.4	12135.4	12117.1	12113.5
7.5°	13139.1	12974.8	12690.2	12372.6	11945.6	11533.2	11182.8	10945.6	10708.3	10664.5	10649.9
10°	12788.7	12566.1	12080.6	11522.2	10883.5	10266.7	9730.2	9310.5	9033.1	8836.0	8799.5
12.5°	12442.0	12146.3	11434.6	10602.5	9726.6	8883.5	8076.9	7390.7	6894.4	6606.0	6554.9
15°	12117.1	11704.7	10730.2	9668.2	8529.4	7376.1	6233.8	5343.2	4646.1	4397.9	4339.5
17.5°	11821.5	11306.9	10047.7	8701.0	7281.2	5773.9	4474.6	3682.6	3273.8	3149.7	3120.5
20°	11525.9	10898.1	9354.3	7682.7	5956.4	4266.5	3270.2	2897.9	2744.6	2697.2	2682.6
22.5°	11208.4	10449.2	8598.8	6679.0	4616.9	3193.5	2675.3	2511.0	2463.6	2467.2	2463.6
25°	10890.8	9993.0	7806.8	5587.8	3438.1	2591.3	2335.8	2273.8	2284.7	2317.6	2324.9
27.5°	10628.1	9587.9	7029.4	4390.6	2686.2	2230.0	2109.6	2105.9	2146.0	2189.8	2197.1
30°	10438.3	9226.5	6263.0	3376.0	2211.7	1981.8	1934.4	1956.3	2003.7	2036.6	2047.5
32.5°	10303.2	8916.3	5445.4	2653.4	1938.0	1806.6	1784.7	1806.6	1835.8	1868.7	1876.0
35°	10255.8	8690.0	4642.5	2164.3	1751.9	1678.9	1664.3	1675.2	1689.8	1708.1	1715.4
37.5°	10361.6	8576.9	3803.0	1883.3	1638.7	1594.9	1573.0	1565.7	1569.4	1576.7	1580.3
40°	10675.5	8628.0	3116.9	1719.0	1565.7	1525.6	1489.1	1474.5	1470.8	1478.1	1474.5
42.5°	11215.7	8843.3	2620.5	1624.1	1507.3	1448.9	1408.8	1394.2	1394.2	1412.5	1412.5
45°	12007.7	9266.7	2262.8	1554.8	1456.2	1383.3	1339.5	1332.2	1346.8	1376.0	1379.6
47.5°	13168.3	9887.2	2047.5	1503.7	1408.8	1324.9	1281.1	1277.4	1306.6	1354.1	1357.7
50°	14544.2	10781.3	1930.7	1467.2	1376.0	1277.4	1233.6	1237.3	1270.1	1321.2	1332.2
52.5°	16201.2	12000.4	1938.0	1452.6	1357.7	1248.2	1204.4	1197.1	1230.0	1281.1	1292.0
55°	17912.9	13482.1	2080.4	1456.2	1332.2	1233.6	1175.2	1149.7	1178.9	1215.4	1219.0
57.5°	19796.2	15153.7	2434.4	1448.9	1299.3	1219.0	1149.7	1091.3	1109.5	1131.4	1142.4
60°	21920.4	17120.9	3197.2	1463.5	1284.7	1186.2	1098.6	1021.9	1018.3	1032.9	1036.5
62.5°	24759.9	19796.2	4054.9	1489.1	1317.6	1146.0	1021.9	941.6	927.0	934.3	938.0
65°	26931.5	21073.6	3784.8	1467.2	1386.9	1116.8	948.9	865.0	835.8	828.5	828.5
67.5°	26048.2	19383.8	2635.1	1408.8	1419.7	1120.5	890.5	784.7	748.2	729.9	726.3
70°	22164.9	15745.0	1832.2	1350.4	1383.3	1113.2	828.5	719.0	671.6	646.0	642.4
72.5°	17511.5	12022.3	1481.8	1233.6	1255.5	1003.7	737.2	646.0	605.9	573.0	573.0
75°	11270.4	7336.0	1237.3	1098.6	1025.6	781.0	638.7	576.7	536.5	503.7	503.7
77.5°	3792.1	2722.7	959.9	930.7	766.4	587.6	536.5	496.4	463.5	434.3	430.7
80°	1540.2	1292.0	704.4	704.4	536.5	448.9	419.7	401.5	379.6	343.1	343.1
82.5°	894.2	784.7	492.7	427.0	357.7	310.2	292.0	273.7	273.7	248.2	248.2
85°	430.7	434.3	295.6	262.8	204.4	178.8	171.5	160.6	156.9	142.3	138.7
87.5°	233.6	237.2	149.6	116.8	80.3	69.3	58.4	54.7	51.1	47.4	47.4
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)