

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: P642789

Luminaire Tested: GWS-SA6D-750-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642789
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-750-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36667.5 lumens
Efficiency: N/A
Efficacy: 149.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

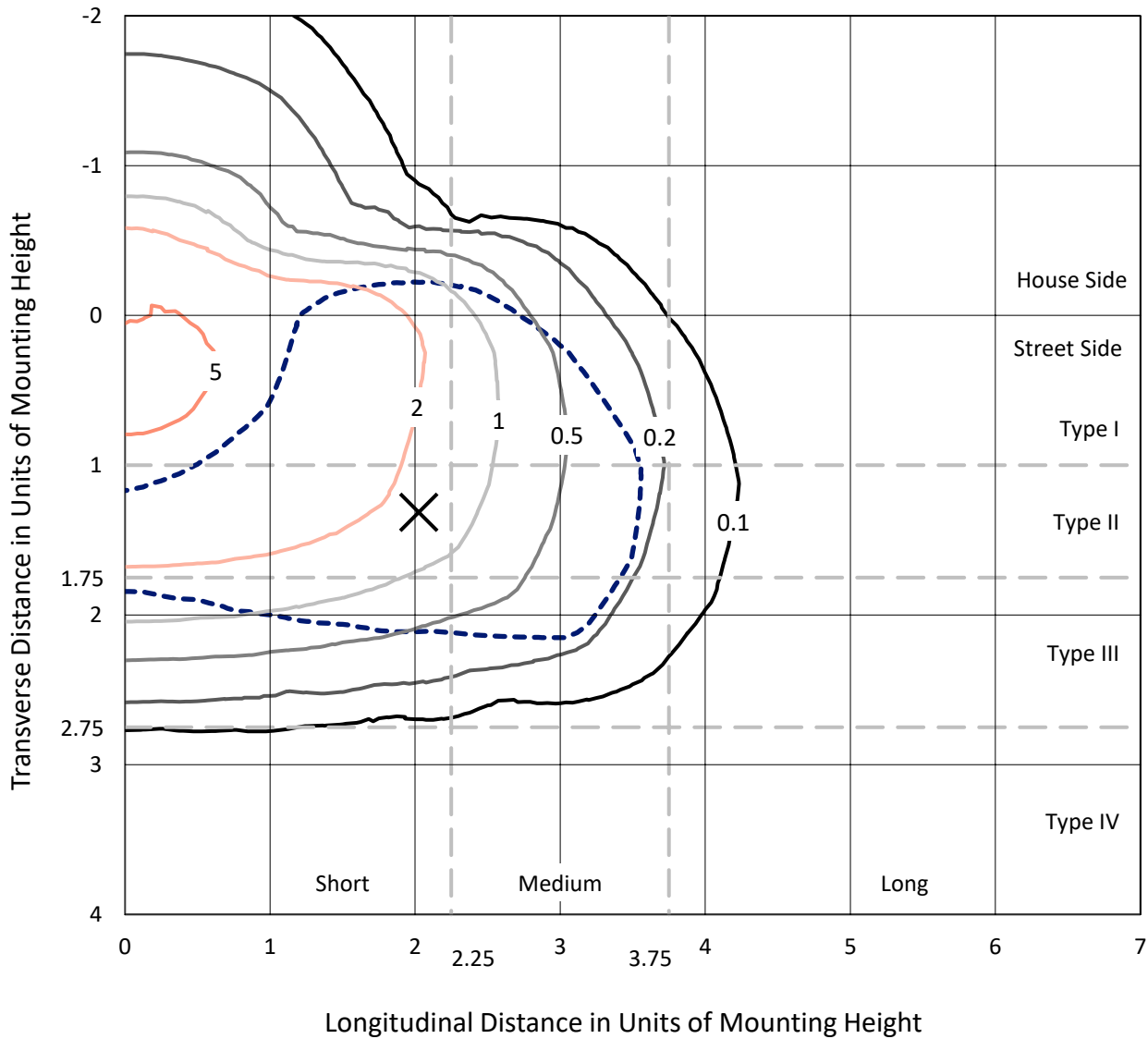
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

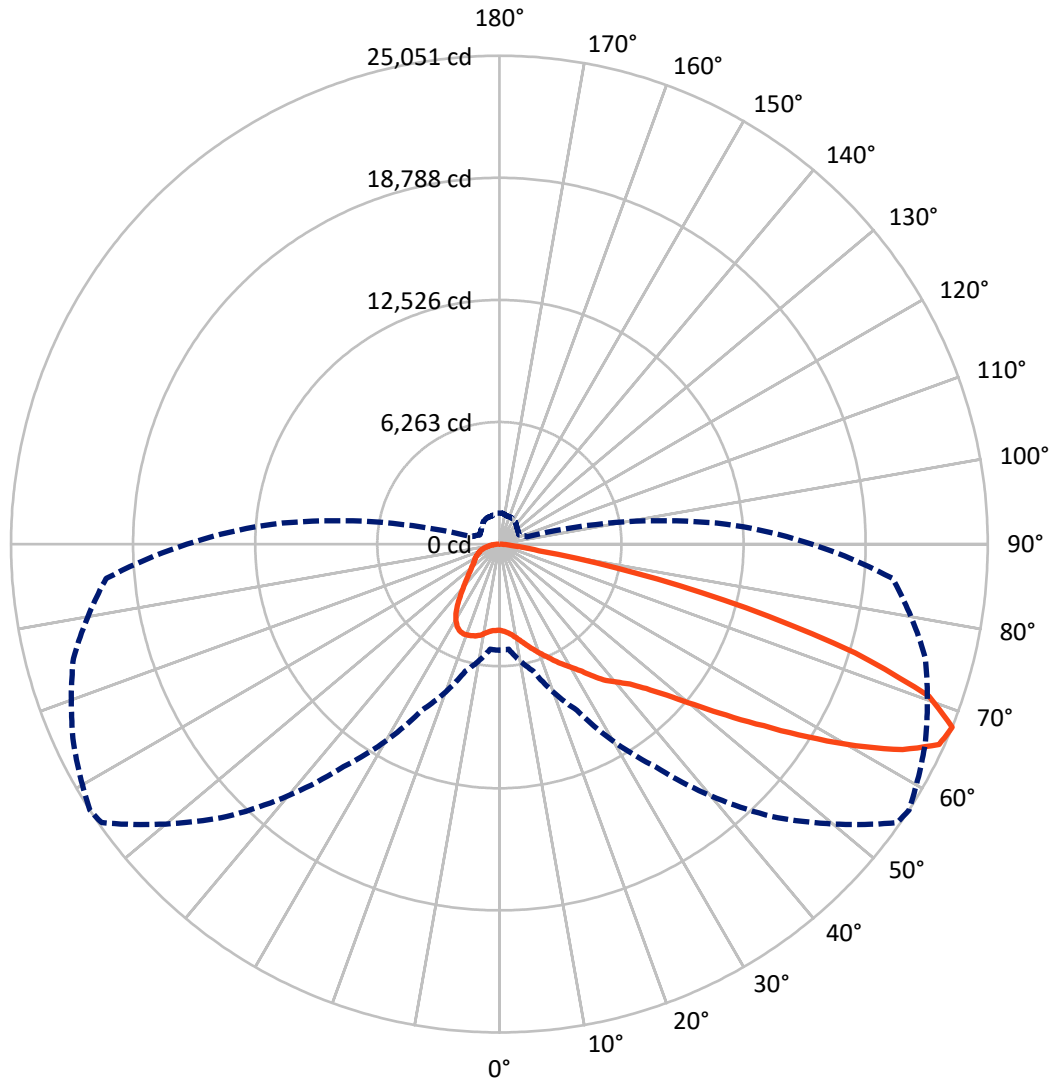
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8061.8	0.0	8061.8
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	28605.7	0.0	28605.7
	% Fixture	78.0	0.0	78.0
Total	Lumens	36667.5	0.0	36667.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.2	1.2
10°-20°	1450.6	4.0
20°-30°	2586.2	7.1
30°-40°	3760.0	10.3
40°-50°	5442.0	14.8
50°-60°	8516.6	23.2
60°-70°	9935.1	27.1
70°-80°	4147.3	11.3
80°-90°	391.4	1.1
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°	36667.5	100.0
0°-180°	36667.5	100.0

Coefficient of Utilization



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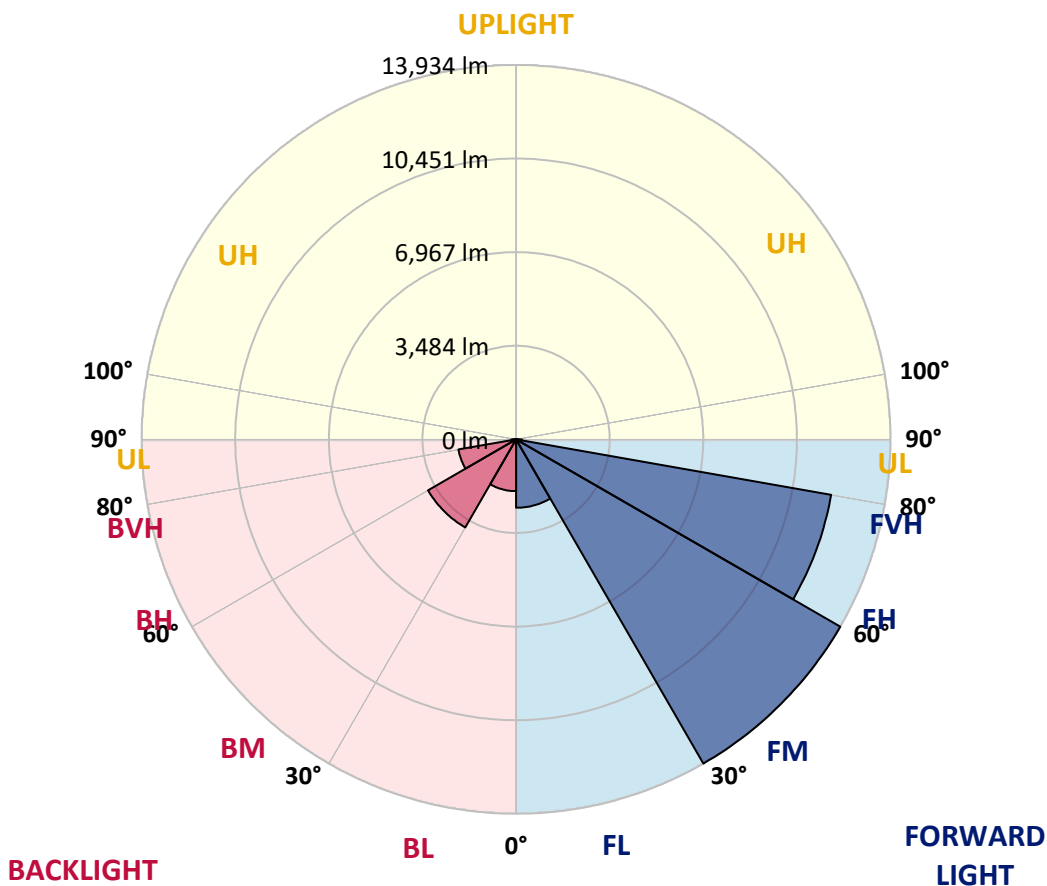
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2546.9	6.9			
FM (30°-60°)	13934.2	38.0			
FH (60°-80°)	11906.6	32.5			G4/12000
FVH (80°-90°)	218.0	0.6			G2/225
BL (0°-30°)	1928.1	5.3	B3/2500		
BM (30°-60°)	3784.4	10.3	B3/5000		
BH (60°-80°)	2175.9	5.9	B3/2500		G3/2500
BVH (80°-90°)	173.3	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	4418.2	4418.2	4418.2	4418.2	4418.2	4418.2	4418.2	4418.2	4418.2	4418.2	4418.2
2.5°	4481.2	4476.0	4473.3	4489.1	4483.9	4481.2	4481.2	4478.6	4473.3	4452.3	4423.4
5°	4604.7	4594.2	4583.7	4596.8	4586.3	4575.8	4573.2	4567.9	4549.5	4518.0	4473.3
7.5°	4733.4	4722.9	4725.5	4733.4	4725.5	4720.3	4712.4	4707.1	4678.2	4628.3	4567.9
10°	4914.6	4914.6	4919.9	4927.8	4930.4	4922.5	4906.8	4898.9	4864.7	4801.7	4717.6
12.5°	5177.3	5172.1	5172.1	5166.8	5174.7	5166.8	5151.0	5137.9	5095.9	5014.5	4893.6
15°	5524.0	5503.0	5484.6	5450.5	5440.0	5411.1	5416.3	5408.5	5369.1	5258.7	5106.4
17.5°	5894.4	5891.8	5862.9	5794.6	5726.3	5679.0	5689.5	5686.9	5665.9	5516.2	5321.8
20°	6220.1	6233.3	6207.0	6154.5	6062.5	5973.2	5968.0	5981.1	5954.8	5805.1	5534.6
22.5°	6585.2	6574.7	6548.5	6480.2	6411.9	6317.3	6285.8	6275.3	6264.8	6094.0	5752.6
25°	6932.0	6963.5	6929.4	6866.3	6761.2	6658.8	6632.5	6643.0	6614.1	6388.2	5986.4
27.5°	7370.6	7383.8	7362.8	7276.1	7186.8	7042.3	6992.4	6992.4	6981.9	6664.1	6170.2
30°	7838.2	7875.0	7838.2	7767.3	7675.3	7467.8	7360.1	7349.6	7318.1	6947.7	6385.6
32.5°	8308.4	8334.7	8308.4	8240.1	8135.0	7953.8	7798.8	7775.2	7733.1	7257.7	6606.3
35°	8726.0	8749.7	8744.4	8760.2	8673.5	8445.0	8350.4	8339.9	8229.6	7662.2	6905.7
37.5°	9183.1	9212.0	9172.6	9204.1	9170.0	8954.6	8925.7	8873.1	8715.5	8043.1	7220.9
40°	9703.2	9729.5	9666.4	9679.6	9640.2	9519.3	9372.2	9301.3	9067.5	8455.5	7717.4
42.5°	10260.1	10320.5	10349.4	10325.7	10233.8	10165.5	9908.1	9818.8	9624.4	9198.9	8534.3
45°	11066.5	11155.8	11197.8	11137.4	11098.0	11000.8	10685.6	10577.9	10475.5	10246.9	9674.3
47.5°	11935.9	12017.4	12151.3	12177.6	12209.1	12135.6	11691.6	11586.6	11605.0	11578.7	11077.0
50°	12629.4	12697.7	12999.8	13322.8	13590.8	13611.8	13044.4	12931.5	13031.3	13115.3	12766.0
52.5°	13133.7	13194.1	13593.4	14260.6	14867.4	15316.5	14704.5	14575.8	14657.2	14846.4	14686.1
55°	13543.5	13627.6	14045.2	15069.6	16296.3	17005.5	16614.2	16451.3	16417.2	16650.9	16742.9
57.5°	13758.9	13785.2	14370.9	15702.7	17344.4	18663.0	18833.8	18649.9	18324.2	18452.9	18930.9
60°	13267.7	13312.3	14113.5	15865.5	18171.8	20307.4	21163.7	21011.3	20317.9	20388.8	20916.8
62.5°	11909.7	11972.7	12936.7	15090.6	18240.1	21405.3	23315.0	23217.8	22287.9	21904.4	22062.0
65°	9553.5	9574.5	10572.6	13173.1	16882.1	21541.9	24814.9	24791.2	23664.3	22766.0	22090.9
67.5°	5447.9	5411.1	6745.5	9395.9	13932.3	19766.3	24912.0	25051.3	24110.9	22624.1	20252.2
70°	2361.4	2366.7	2981.4	4636.2	9017.6	15975.9	23139.0	23378.0	22818.5	20262.7	16112.5
72.5°	1092.7	1108.5	1373.8	2006.8	3850.8	9910.7	18867.9	19083.3	18602.6	16217.5	11723.2
75°	772.3	785.4	916.7	1150.5	1770.4	3861.3	12621.5	13073.3	13307.1	12130.3	7725.3
77.5°	585.8	604.2	669.8	798.5	1092.7	1368.5	6038.9	7115.9	8476.5	7546.6	3979.5
80°	373.0	373.0	443.9	533.2	667.2	711.8	1744.2	2067.2	4147.6	3110.1	1562.9
82.5°	252.2	260.0	302.1	338.9	383.5	404.5	748.6	798.5	1197.8	1058.6	643.6
85°	134.0	139.2	157.6	155.0	183.9	160.2	315.2	312.6	438.7	480.7	244.3
87.5°	0.0	0.0	2.6	2.6	5.3	7.9	34.1	36.8	91.9	147.1	81.4
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°	4418.2	4418.2	4418.2	4418.2	4418.2	4418.2	4418.2	4418.2	4418.2	4418.2	4418.2
2.5°	4439.2	4407.7	4423.4	4418.2	4433.9	4433.9	4405.1	4397.2	4399.8	4368.3	4357.8
5°	4478.6	4441.8	4449.7	4439.2	4455.0	4468.1	4455.0	4455.0	4470.7	4447.1	4433.9
7.5°	4567.9	4525.9	4525.9	4512.7	4531.1	4541.6	4531.1	4546.9	4575.8	4552.1	4539.0
10°	4709.8	4659.8	4662.5	4646.7	4654.6	4649.3	4607.3	4594.2	4602.1	4581.0	4570.5
12.5°	4893.6	4825.3	4825.3	4793.8	4775.4	4720.3	4633.6	4602.1	4607.3	4588.9	4581.0
15°	5069.6	5006.6	4993.4	4930.4	4846.3	4743.9	4665.1	4644.1	4649.3	4631.0	4617.8
17.5°	5277.1	5195.7	5148.4	5032.8	4877.9	4772.8	4694.0	4644.1	4602.1	4560.0	4549.5
20°	5468.9	5366.4	5279.8	5101.1	4912.0	4767.5	4620.4	4497.0	4394.5	4339.4	4326.2
22.5°	5665.9	5534.6	5382.2	5148.4	4909.4	4673.0	4402.4	4215.9	4063.6	3982.1	3997.9
25°	5852.4	5686.9	5479.4	5193.1	4825.3	4462.8	4095.1	3816.7	3643.3	3580.3	3561.9
27.5°	6007.4	5802.5	5568.7	5172.1	4652.0	4160.8	3674.8	3364.9	3196.7	3125.8	3107.4
30°	6180.7	5949.6	5697.4	5074.9	4378.8	3737.9	3199.4	2947.2	2826.4	2758.1	2760.7
32.5°	6380.4	6138.7	5878.7	4888.4	4029.4	3280.8	2808.0	2634.6	2537.4	2469.1	2458.6
35°	6648.3	6409.3	5999.5	4607.3	3585.5	2860.5	2540.1	2398.2	2277.4	2188.1	2169.7
37.5°	6979.3	6816.4	6012.6	4231.7	3110.1	2571.6	2348.3	2196.0	2048.9	1930.7	1917.5
40°	7546.6	7360.1	5904.9	3761.5	2705.5	2385.1	2188.1	2012.1	1841.3	1710.0	1691.6
42.5°	8355.7	7972.2	5673.8	3230.9	2400.8	2238.0	2035.7	1812.5	1639.1	1547.2	1534.0
45°	9385.4	8655.1	5327.0	2731.8	2174.9	2093.5	1875.5	1641.7	1549.8	1484.1	1471.0
47.5°	10646.2	9451.0	4927.8	2343.1	1999.0	1962.2	1712.6	1583.9	1502.5	1447.3	1434.2
50°	12153.9	10464.9	4599.4	2038.4	1841.3	1809.8	1660.1	1549.8	1484.1	1439.5	1428.9
52.5°	13874.5	11591.8	4439.2	1820.3	1704.8	1673.2	1641.7	1541.9	1486.7	1452.6	1439.5
55°	15660.7	12779.1	4289.5	1652.2	1589.2	1607.6	1644.3	1568.2	1526.1	1481.5	1468.4
57.5°	17386.4	13892.9	3921.7	1520.9	1505.1	1576.0	1657.5	1594.4	1544.5	1499.9	1484.1
60°	18576.3	14502.3	3299.2	1415.8	1442.1	1536.6	1623.3	1555.0	1492.0	1473.6	1465.7
62.5°	18896.8	14428.7	2561.1	1308.1	1365.9	1450.0	1534.0	1489.4	1423.7	1452.6	1455.2
65°	18148.2	13640.7	1922.8	1203.0	1266.1	1337.0	1442.1	1423.7	1400.1	1478.9	1481.5
67.5°	16028.4	11704.8	1465.7	1111.1	1163.6	1250.3	1413.2	1489.4	1494.6	1594.4	1583.9
70°	12127.7	8744.4	1147.9	1024.4	1084.8	1250.3	1505.1	1539.3	1476.2	1568.2	1547.2
72.5°	8384.6	5771.0	977.1	948.3	987.7	1192.5	1502.5	1502.5	1434.2	1434.2	1394.8
75°	5208.8	3393.8	851.1	851.1	851.1	1042.8	1460.5	1384.3	1263.5	1208.3	1176.8
77.5°	2571.6	1649.6	714.5	740.7	711.8	872.1	1192.5	1132.1	1058.6	1000.8	979.8
80°	1098.0	824.8	577.9	606.8	572.6	656.7	945.6	932.5	861.6	785.4	761.8
82.5°	504.3	425.5	462.3	475.4	417.7	493.8	690.8	690.8	651.4	546.4	507.0
85°	215.4	225.9	320.5	320.5	262.7	278.4	370.4	352.0	315.2	257.4	236.4
87.5°	73.5	110.3	162.9	141.8	55.2	23.6	13.1	5.3	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)