

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: P642258

Luminaire Tested: GWS-SA6C-750-U-AFL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642258
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-47)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-750-U-AFL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE 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: 26350 lumens
Efficiency: N/A
Efficacy: 139.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 189.2
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

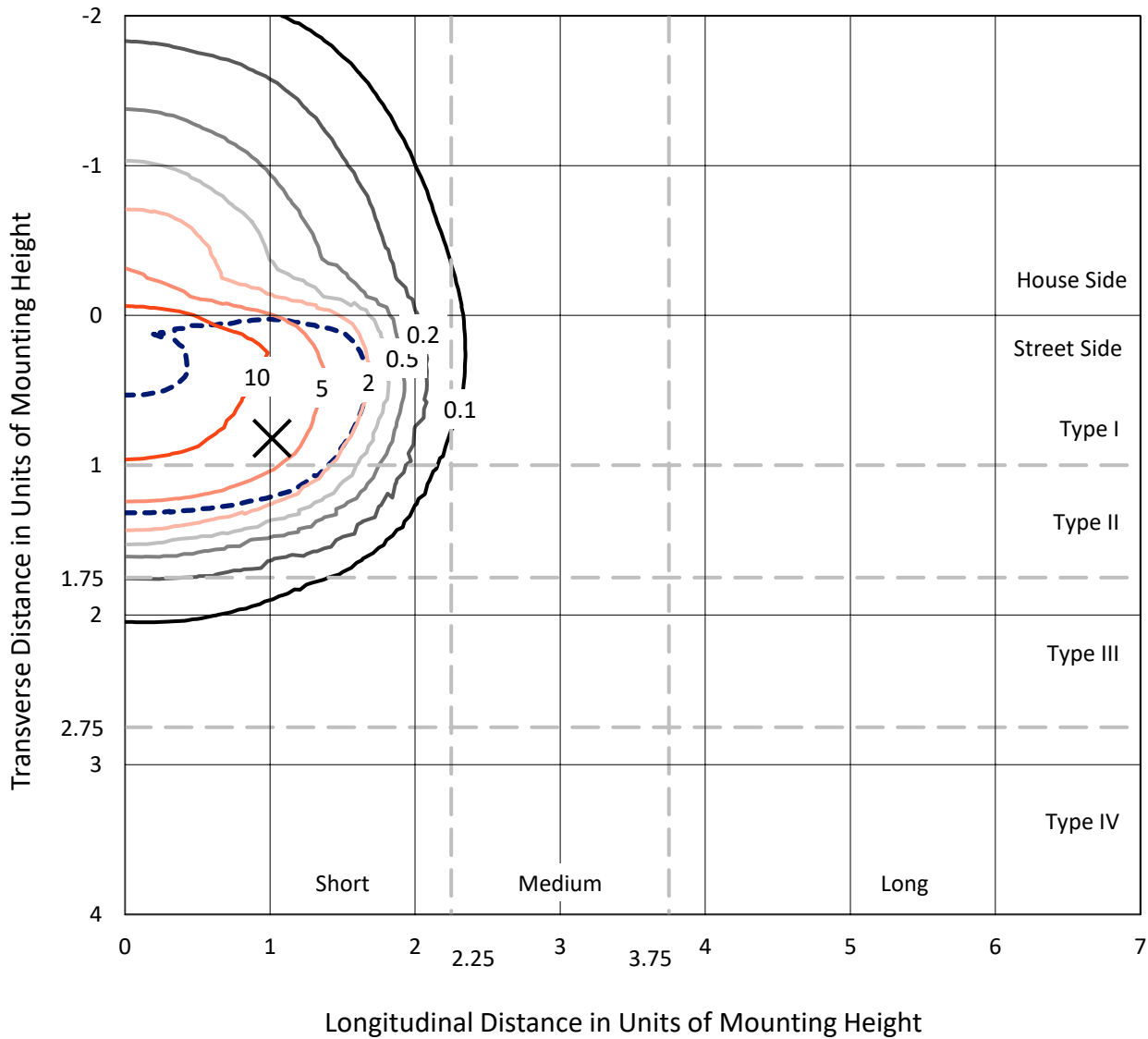


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Iso-Footcandle Lines of Horizontal Illumination

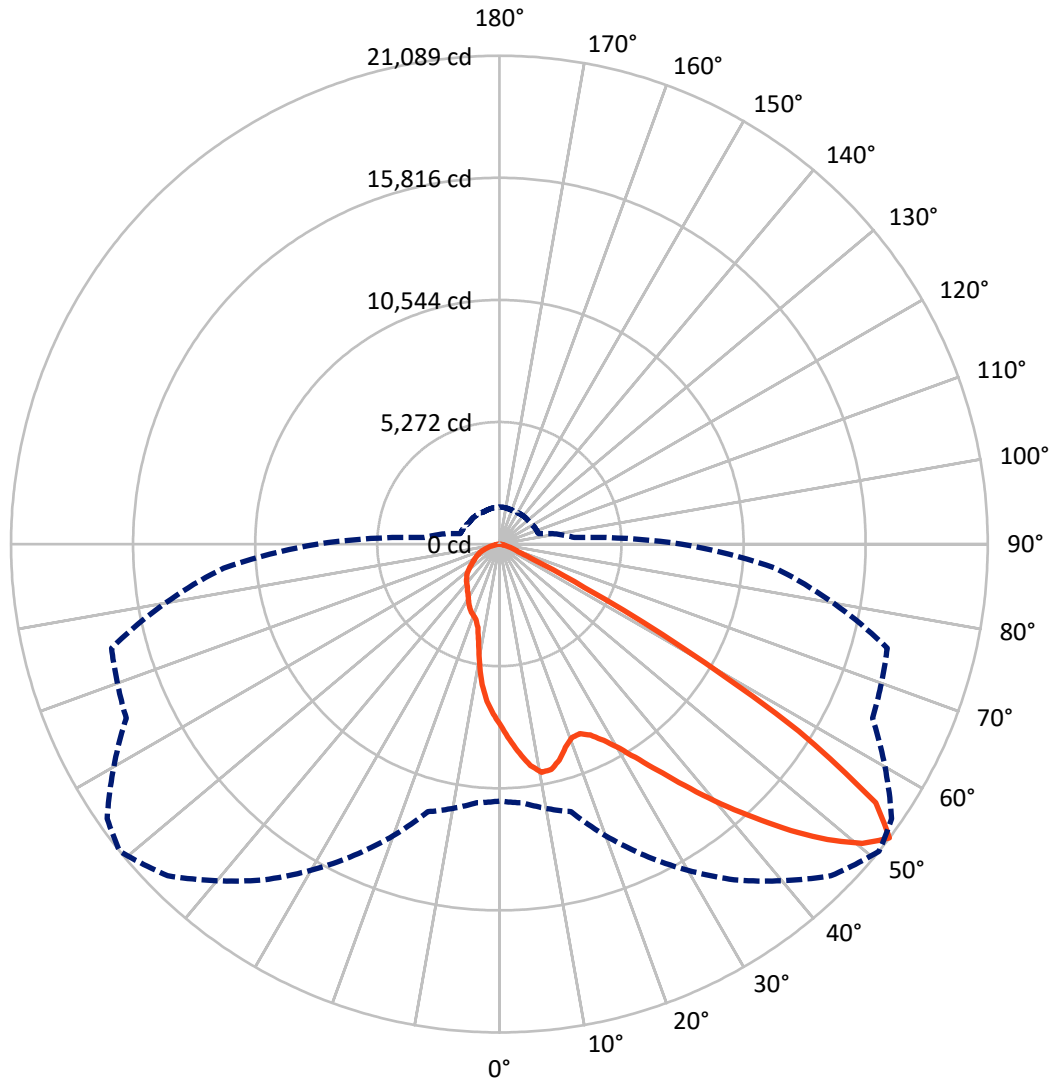
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 51-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5134.1	0.0	5134.1
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	21215.9	0.0	21215.9
	% Fixture	80.5	0.0	80.5
Total	Lumens	26350.0	0.0	26350.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	732.1	2.8
10°-20°	1902.3	7.2
20°-30°	3093.0	11.7
30°-40°	4901.7	18.6
40°-50°	7392.9	28.1
50°-60°	6395.4	24.3
60°-70°	1449.9	5.5
70°-80°	427.5	1.6
80°-90°	55.1	0.2
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°	26350.0	100.0
0°-180°	26350.0	100.0

Coefficient of Utilization



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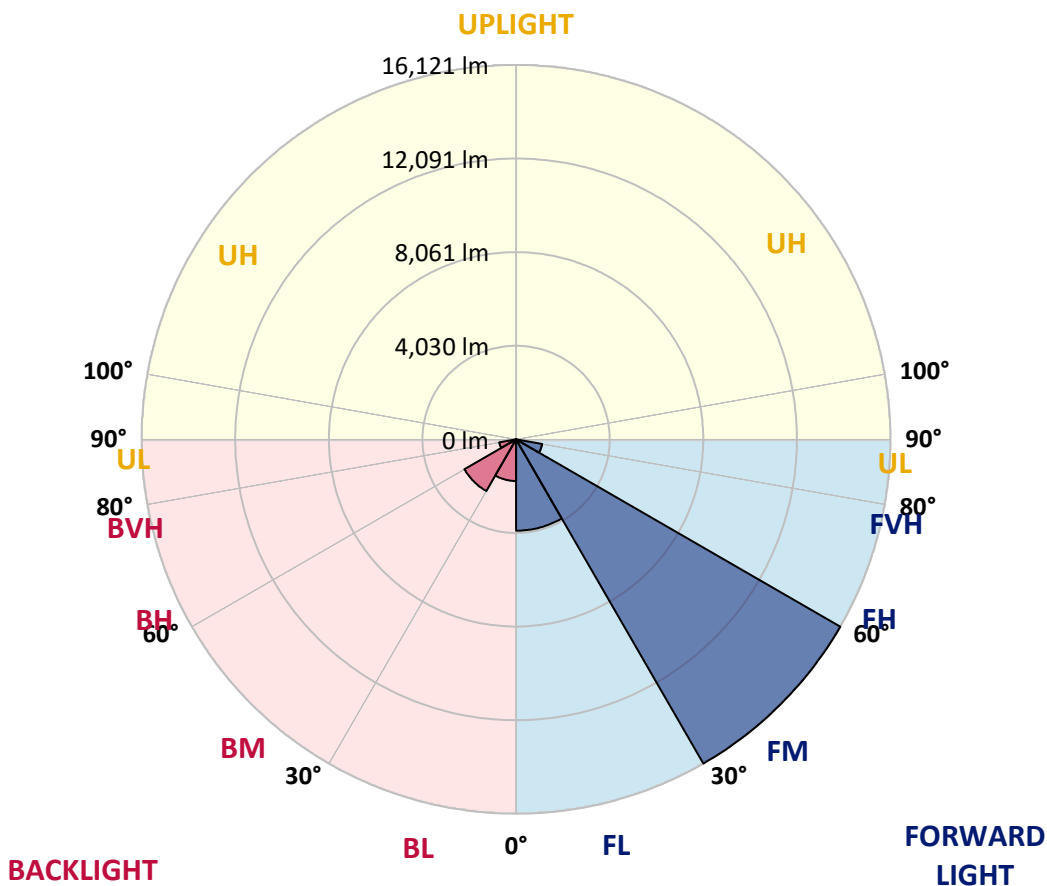
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3932.8	14.9			
FM (30°-60°)	16121.3	61.2			
FH (60°-80°)	1141.1	4.3			G1/1800
FVH (80°-90°)	20.8	0.1			G1/100
BL (0°-30°)	1794.7	6.8	B3/2500		
BM (30°-60°)	2568.7	9.7	B3/5000		
BH (60°-80°)	736.4	2.8	B2/1000		G2/1000
BVH (80°-90°)	34.3	0.1			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°	51°	55°	65°	75°	85°
0°	7845.7	7845.7	7845.7	7845.7	7845.7	7845.7	7845.7	7845.7	7845.7	7845.7	7845.7
2.5°	8743.1	8793.1	8716.1	8686.9	8639.0	8555.7	8460.0	8432.9	8226.8	8091.4	7939.4
5°	9621.8	9648.9	9586.4	9524.0	9405.3	9257.4	9072.1	9032.6	8657.8	8347.5	8024.8
7.5°	9817.5	9807.1	9861.3	9896.7	9882.1	9823.8	9659.3	9582.3	9134.6	8643.2	8166.4
10°	9043.0	8984.7	9184.6	9421.9	9707.2	10036.2	10017.4	10011.2	9621.8	9040.9	8347.5
12.5°	8016.4	7987.3	8149.7	8447.5	8986.8	9715.5	9988.3	10200.7	10061.2	9419.8	8549.5
15°	7429.3	7418.9	7529.2	7743.7	8172.6	9092.9	9676.0	10096.6	10438.0	9825.9	8764.0
17.5°	7323.1	7329.3	7366.8	7489.7	7797.8	8555.7	9230.4	9817.5	10731.6	10271.5	9032.6
20°	7633.3	7675.0	7610.4	7629.2	7795.7	8362.1	8926.4	9536.5	10919.0	10719.1	9322.0
22.5°	8322.5	8308.0	8166.4	8083.1	8085.2	8480.8	8893.1	9405.3	11041.9	11154.3	9584.3
25°	9103.4	9086.7	8918.0	8732.7	8616.1	8803.5	9132.5	9544.8	11152.2	11552.0	9794.6
27.5°	10025.8	9973.7	9786.3	9548.9	9290.8	9372.0	9594.8	9921.7	11323.0	11943.5	9934.2
30°	10919.0	10979.4	10710.8	10429.7	10156.9	10107.0	10236.1	10531.7	11670.7	12401.6	10100.7
32.5°	12103.8	12083.0	11785.2	11418.8	11029.4	10991.9	11093.9	11364.6	12295.4	13034.5	10354.8
35°	13538.4	13542.6	13119.9	12624.3	12070.5	11970.5	12141.3	12403.6	13226.1	13892.4	10756.6
37.5°	15029.3	15023.0	14654.5	14092.3	13336.5	13194.9	13390.6	13586.3	14390.0	15060.5	11381.3
40°	16074.5	16116.2	15943.4	15647.7	14931.4	14585.8	14758.6	14893.9	15656.0	16434.8	12203.7
42.5°	16668.0	16730.4	16767.9	16944.9	16568.0	16199.5	16137.0	16207.8	16786.7	17711.1	12976.2
45°	16795.0	16878.3	17151.0	17806.9	17952.7	17848.6	17644.5	17473.8	17629.9	18616.9	13482.2
47.5°	16234.9	16380.6	16963.6	18110.9	18962.5	19289.5	19062.5	18802.2	18117.2	18850.1	13430.2
50°	14015.3	14186.0	15499.9	17490.4	19106.2	20297.2	20318.1	19932.8	18058.9	18177.6	12776.3
52.5°	11096.0	11212.6	11964.3	14827.3	17696.6	20255.6	21088.5	20676.2	17777.8	17336.4	11958.0
55°	6631.8	6819.2	7520.9	9782.2	13786.2	17952.7	19726.7	19926.6	17640.4	16630.5	11400.0
57.5°	2238.4	2330.0	3000.4	4320.6	8124.7	13144.9	15241.7	16053.7	16014.2	15551.9	10311.0
60°	1066.1	1086.9	1222.2	1638.7	3252.4	6869.2	9022.1	9959.1	10812.8	10898.2	6415.2
62.5°	812.1	824.5	893.3	982.8	1307.6	2894.3	4135.2	4851.5	5182.6	4447.6	2336.2
65°	678.8	689.2	741.3	797.5	889.1	1253.5	1586.6	1830.2	1649.1	1284.7	1114.0
67.5°	566.4	574.7	614.2	674.6	737.1	839.1	880.8	905.8	949.5	1066.1	1024.4
70°	443.5	451.8	493.5	545.5	605.9	630.9	670.5	695.5	782.9	932.8	928.7
72.5°	341.5	351.9	374.8	408.1	458.1	483.1	526.8	555.9	605.9	726.7	776.7
75°	249.9	256.1	276.9	287.3	293.6	287.3	331.1	364.4	431.0	476.8	489.3
77.5°	102.0	114.5	110.4	110.4	131.2	158.2	181.2	202.0	247.8	274.8	276.9
80°	41.6	45.8	54.1	60.4	72.9	93.7	108.3	116.6	137.4	154.1	166.6
82.5°	25.0	27.1	31.2	33.3	41.6	54.1	62.5	68.7	85.4	102.0	108.3
85°	12.5	12.5	14.6	16.7	20.8	25.0	29.2	33.3	43.7	54.1	60.4
87.5°	2.1	2.1	2.1	4.2	6.2	8.3	10.4	12.5	14.6	16.7	20.8
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°	7845.7	7845.7	7845.7	7845.7	7845.7	7845.7	7845.7	7845.7	7845.7	7845.7	7845.7
2.5°	7849.9	7737.4	7606.3	7502.1	7381.4	7291.8	7164.8	7085.7	7010.7	6948.3	6902.5
5°	7858.2	7668.7	7396.0	7154.4	6904.6	6667.2	6423.6	6225.8	6048.8	5900.9	5888.4
7.5°	7906.1	7633.3	7206.5	6783.8	6296.6	5826.0	5355.4	4972.3	4680.8	4528.8	4497.5
10°	7987.3	7629.2	7012.8	6338.2	5507.4	4749.5	4191.5	3900.0	3731.3	3670.9	3650.1
12.5°	8072.7	7618.8	6765.1	5709.4	4555.8	3891.6	3585.5	3550.1	3581.4	3585.5	3583.5
15°	8176.8	7612.5	6452.7	4972.3	3860.4	3493.9	3514.7	3589.7	3662.6	3679.2	3679.2
17.5°	8303.8	7597.9	6028.0	4251.8	3425.2	3416.9	3527.2	3627.2	3695.9	3708.4	3708.4
20°	8437.1	7560.4	5505.3	3664.7	3248.2	3369.0	3487.7	3564.7	3612.6	3629.3	3631.3
22.5°	8528.7	7460.5	4903.6	3229.5	3137.9	3277.4	3362.7	3441.9	3441.9	3400.2	3387.7
25°	8547.4	7246.0	4251.8	2931.7	3006.7	3135.8	3223.2	3177.4	3092.1	3058.7	3056.7
27.5°	8478.7	6933.7	3608.4	2719.3	2848.4	2977.5	2963.0	2896.3	2858.9	2825.5	2838.0
30°	8395.4	6558.9	3050.4	2544.4	2665.2	2792.2	2742.3	2719.3	2692.3	2654.8	2663.1
32.5°	8339.2	6140.4	2621.5	2409.1	2542.4	2563.2	2598.6	2596.5	2571.5	2500.7	2496.6
35°	8355.8	5717.7	2334.1	2298.7	2440.3	2432.0	2498.6	2486.1	2313.3	2215.5	2209.2
37.5°	8489.1	5311.7	2165.5	2211.3	2277.9	2330.0	2388.3	2238.4	2178.0	2115.5	2119.7
40°	8743.1	4934.8	2073.9	2163.4	2180.1	2257.1	2121.8	2119.7	2092.6	2036.4	2034.3
42.5°	9030.5	4616.2	2011.4	2140.5	2117.6	2132.2	1988.5	2005.2	2003.1	1967.7	1957.3
45°	9205.4	4322.6	1961.4	2055.1	2061.4	1915.6	1871.9	1890.6	1901.0	1882.3	1880.2
47.5°	9024.2	3985.3	1909.4	1923.9	1978.1	1817.8	1763.6	1765.7	1784.4	1786.5	1778.2
50°	8516.2	3608.4	1846.9	1811.5	1776.1	1715.7	1665.8	1655.3	1674.1	1692.8	1699.1
52.5°	7860.3	3248.2	1742.8	1688.7	1605.4	1605.4	1582.5	1549.2	1574.1	1599.1	1607.5
55°	7379.3	2981.7	1595.0	1534.6	1443.0	1474.2	1470.0	1440.9	1474.2	1492.9	1499.2
57.5°	6394.4	2396.6	1403.4	1384.7	1307.6	1345.1	1353.4	1315.9	1299.3	1303.5	1309.7
60°	3795.8	1547.1	1266.0	1263.9	1195.2	1238.9	1263.9	1226.4	1176.4	1182.7	1191.0
62.5°	1703.2	1182.7	1093.2	1084.8	1082.7	1139.0	1166.0	1130.6	1059.8	1066.1	1074.4
65°	1072.3	1022.4	949.5	949.5	982.8	1030.7	1051.5	1022.4	941.2	930.7	939.1
67.5°	995.3	951.6	876.6	862.0	878.7	918.2	920.3	864.1	816.2	807.9	807.9
70°	893.3	859.9	787.1	757.9	751.7	749.6	743.3	728.8	697.5	689.2	693.4
72.5°	739.2	716.3	670.5	639.2	622.6	620.5	595.5	583.0	555.9	551.8	549.7
75°	489.3	495.6	495.6	491.4	476.8	470.6	443.5	431.0	399.8	387.3	385.2
77.5°	289.4	295.7	304.0	306.1	304.0	304.0	279.0	264.4	233.2	216.5	212.4
80°	177.0	181.2	185.3	191.6	183.2	177.0	154.1	139.5	124.9	114.5	112.4
82.5°	114.5	118.7	120.8	124.9	120.8	112.4	93.7	85.4	75.0	66.6	64.5
85°	64.5	66.6	70.8	70.8	64.5	58.3	47.9	41.6	35.4	31.2	31.2
87.5°	22.9	22.9	22.9	25.0	20.8	18.7	12.5	8.3	6.2	6.2	6.2
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)