

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: P639787

Luminaire Tested: GWS-SA5C-750-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639787
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-750-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21472.6 lumens
Efficiency: N/A
Efficacy: 136.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

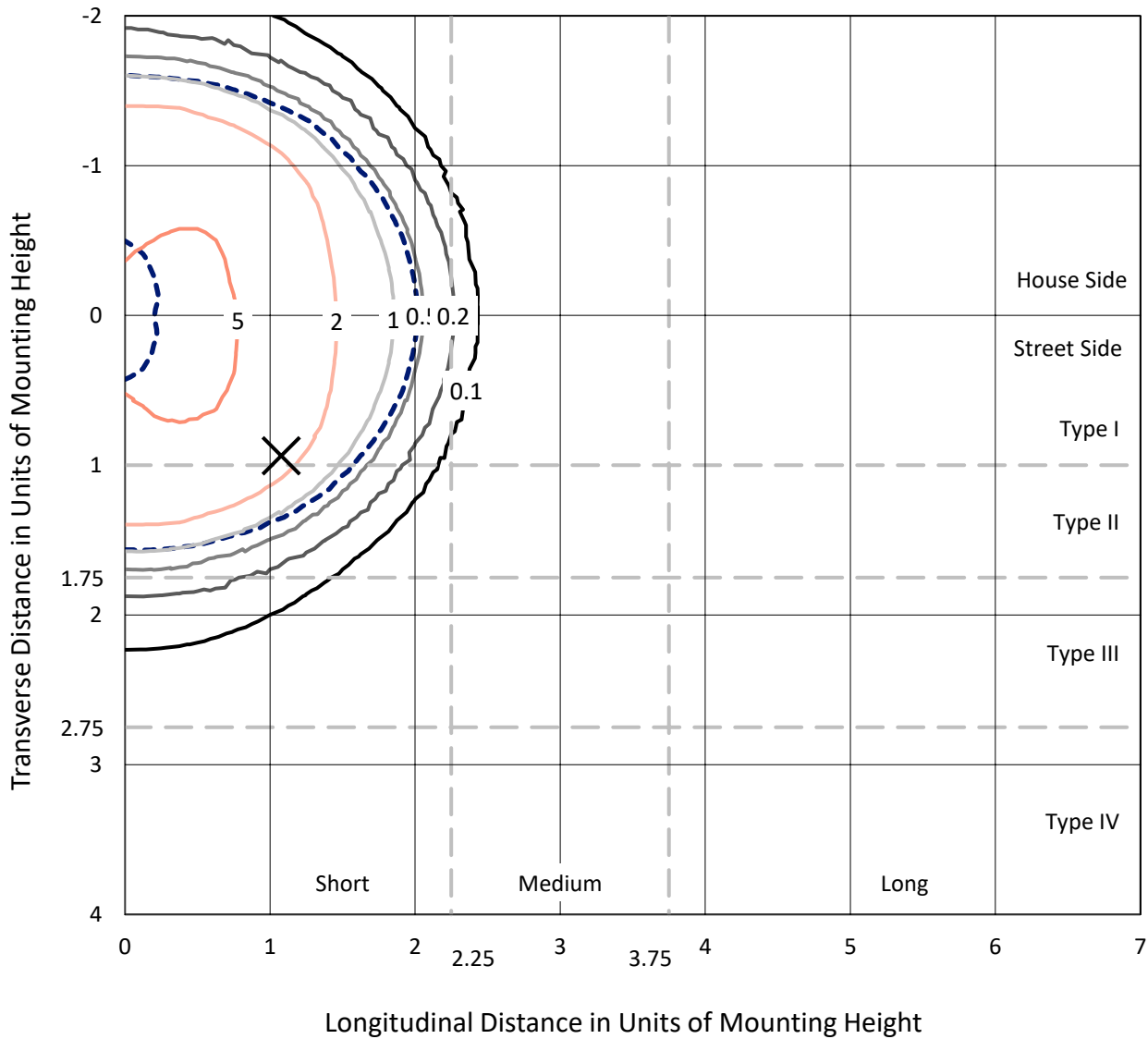
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

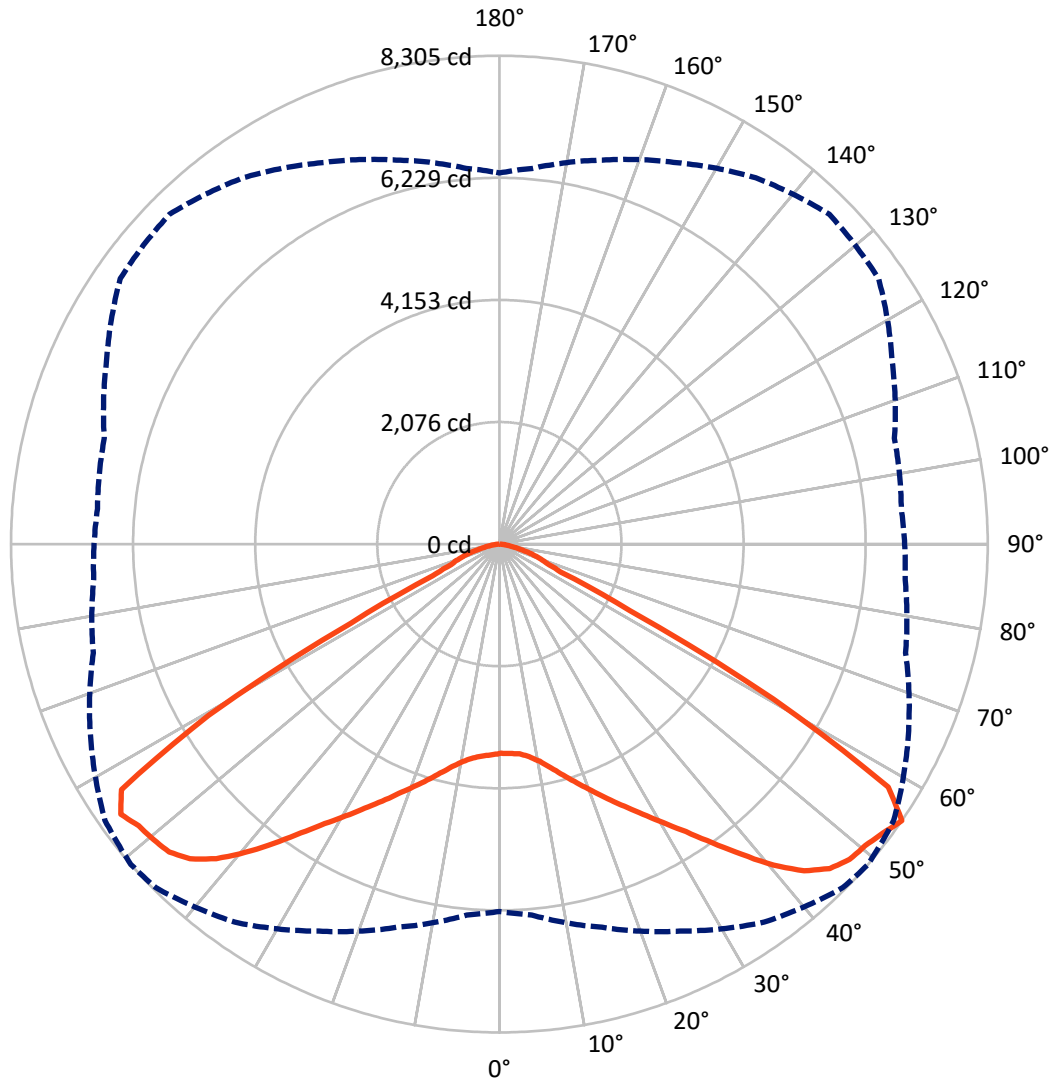
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10631.0	0.0	10631.0
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	10841.6	0.0	10841.6
	% Fixture	50.5	0.0	50.5
Total	Lumens	21472.6	0.0	21472.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.0	1.6
10°-20°	1144.5	5.3
20°-30°	2180.0	10.2
30°-40°	3695.6	17.2
40°-50°	5561.6	25.9
50°-60°	6087.7	28.4
60°-70°	1924.9	9.0
70°-80°	462.0	2.2
80°-90°	69.3	0.3
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°	21472.6	100.0
0°-180°	21472.6	100.0

Coefficient of Utilization



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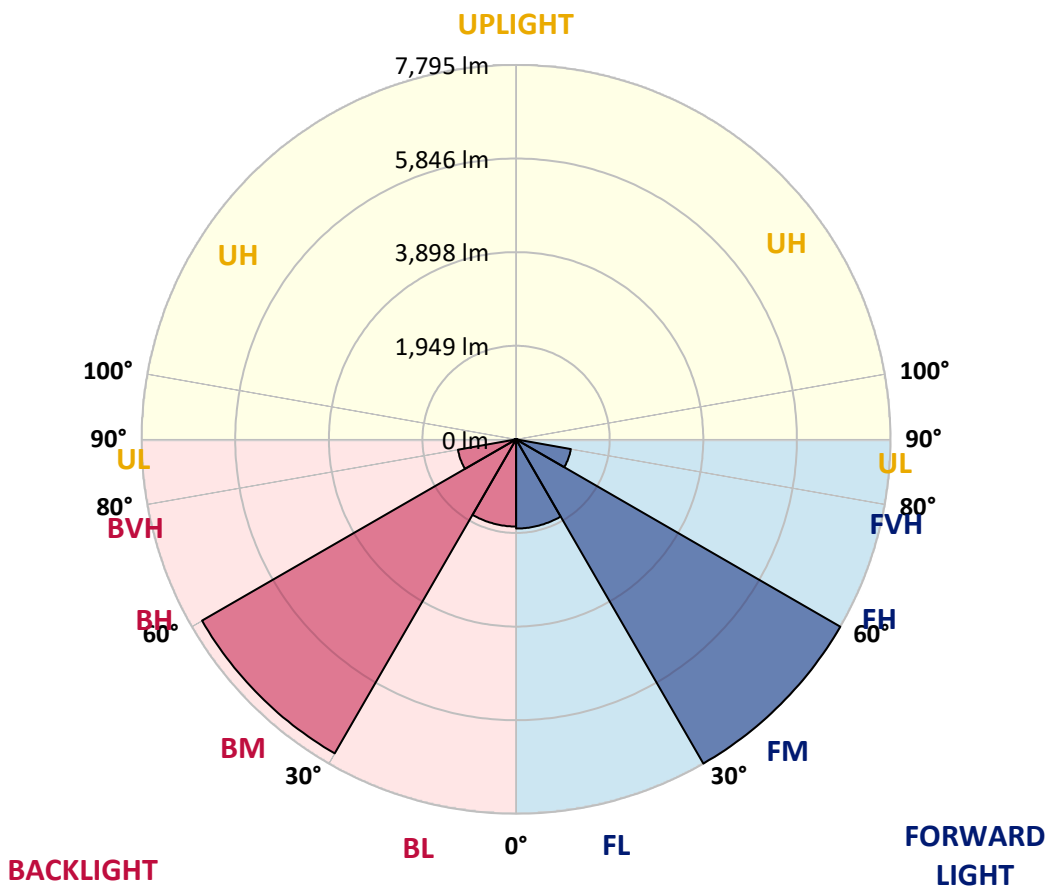
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1856.5	8.6			
FM (30°-60°)	7795.2	36.3			
FH (60°-80°)	1157.9	5.4			G1/1800
FVH (80°-90°)	32.1	0.1			G1/100
BL (0°-30°)	1815.0	8.5	B3/2500		
BM (30°-60°)	7549.6	35.2	B4/8500		
BH (60°-80°)	1229.1	5.7	B3/2500		G1/1800
BVH (80°-90°)	37.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1
2.5°	3504.7	3508.2	3515.2	3527.4	3539.6	3557.1	3564.1	3572.8	3571.0	3581.5	3581.5
5°	3487.2	3492.5	3502.9	3520.4	3541.4	3574.5	3583.3	3604.2	3625.2	3651.4	3660.1
7.5°	3508.2	3515.2	3527.4	3555.3	3586.8	3630.4	3647.9	3682.8	3723.0	3770.1	3789.3
10°	3548.3	3557.1	3578.0	3623.4	3674.1	3740.4	3756.1	3799.8	3864.4	3929.0	3967.4
12.5°	3593.7	3607.7	3646.1	3717.7	3792.8	3880.1	3904.6	3958.7	4028.5	4112.4	4164.8
15°	3646.1	3658.3	3717.7	3819.0	3936.0	4051.2	4079.2	4131.6	4210.2	4292.2	4365.6
17.5°	3756.1	3777.1	3846.9	3963.9	4100.1	4236.3	4267.8	4327.2	4390.0	4454.6	4524.5
20°	3906.3	3923.8	4012.8	4157.8	4318.4	4442.4	4473.8	4526.2	4555.9	4589.1	4648.5
22.5°	4056.5	4080.9	4182.2	4353.3	4541.9	4676.4	4700.8	4749.7	4728.8	4718.3	4756.7
25°	4243.3	4276.5	4376.0	4562.9	4755.0	4920.9	4940.1	4982.0	4947.1	4892.9	4891.2
27.5°	4475.6	4505.3	4608.3	4800.4	4990.7	5163.6	5200.3	5256.1	5179.3	5113.0	5065.8
30°	4751.5	4770.7	4884.2	5088.5	5284.1	5448.2	5495.4	5551.3	5493.6	5383.6	5336.5
32.5°	5072.8	5099.0	5230.0	5444.7	5619.4	5783.5	5830.7	5900.5	5837.6	5713.7	5654.3
35°	5458.7	5484.9	5622.9	5856.8	6035.0	6204.3	6237.5	6295.2	6216.6	6073.4	6026.2
37.5°	5877.8	5911.0	6085.6	6307.4	6494.2	6691.5	6693.3	6710.8	6599.0	6420.9	6368.5
40°	6349.3	6392.9	6567.6	6798.1	7023.3	7184.0	7182.2	7133.3	6944.7	6668.8	6588.5
42.5°	6815.5	6850.5	7026.8	7264.3	7489.6	7641.5	7596.1	7477.3	7204.9	6829.5	6723.0
45°	7152.5	7178.7	7363.8	7631.0	7859.8	7954.1	7872.0	7728.8	7360.4	6930.8	6773.6
47.5°	7311.5	7346.4	7533.2	7798.7	8057.1	8111.2	8013.4	7879.0	7451.2	7025.1	6813.8
50°	7225.9	7271.3	7482.6	7728.8	8020.4	8132.2	8062.3	7927.9	7547.2	7117.6	6885.4
52.5°	7004.1	7047.8	7314.9	7613.6	7943.6	8165.4	8163.6	8053.6	7657.2	7143.8	6888.9
55°	6246.3	6331.8	6747.4	7262.6	7849.3	8263.2	8305.1	8188.1	7674.7	7150.8	6925.5
57.5°	4065.2	4215.4	4610.0	5280.6	6457.6	7515.8	7798.7	7826.6	7548.9	7121.1	6932.5
60°	1697.3	1817.8	2130.4	2575.7	3548.3	4807.4	5355.7	5905.7	6569.3	6810.3	6867.9
62.5°	1054.7	1065.2	1096.6	1197.9	1522.7	2137.4	2490.1	3005.3	3991.9	4831.8	5219.5
65°	951.7	956.9	963.9	956.9	972.6	1047.7	1142.0	1321.9	1723.5	2140.9	2636.8
67.5°	838.2	845.2	850.4	845.2	850.4	853.9	864.4	880.1	953.4	1012.8	1058.2
70°	677.5	688.0	696.7	693.3	714.2	714.2	724.7	736.9	773.6	817.2	848.7
72.5°	516.9	508.2	518.6	522.1	541.3	551.8	567.5	581.5	623.4	649.6	689.8
75°	335.3	326.5	342.3	351.0	377.2	391.2	405.1	419.1	448.8	466.2	504.7
77.5°	181.6	179.9	195.6	207.8	235.7	253.2	263.7	274.2	298.6	303.8	328.3
80°	104.8	104.8	115.3	124.0	141.4	160.7	171.1	179.9	197.3	202.6	213.0
82.5°	57.6	57.6	62.9	68.1	82.1	92.6	101.3	108.3	124.0	129.2	134.5
85°	27.9	26.2	29.7	33.2	38.4	43.7	48.9	52.4	64.6	68.1	75.1
87.5°	3.5	3.5	3.5	5.2	7.0	10.5	12.2	12.2	19.2	22.7	26.2
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°	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1
2.5°	3592.0	3569.3	3583.3	3588.5	3588.5	3583.3	3560.6	3553.6	3543.1	3527.4	3527.4
5°	3672.3	3654.9	3658.3	3649.6	3628.7	3602.5	3560.6	3539.6	3522.1	3502.9	3501.2
7.5°	3810.3	3787.6	3784.1	3750.9	3695.0	3639.1	3576.3	3537.9	3511.7	3487.2	3485.5
10°	3990.1	3969.2	3943.0	3876.6	3794.6	3712.5	3626.9	3574.5	3536.1	3501.2	3499.4
12.5°	4190.9	4166.5	4117.6	4019.8	3916.8	3836.5	3738.7	3658.3	3600.7	3553.6	3544.8
15°	4409.2	4374.3	4290.5	4175.2	4073.9	3988.4	3883.6	3768.4	3681.0	3606.0	3597.2
17.5°	4576.9	4531.5	4440.7	4332.4	4248.6	4163.0	4026.8	3881.9	3756.1	3661.8	3647.9
20°	4692.1	4655.4	4552.4	4472.1	4423.2	4348.1	4189.2	4025.1	3883.6	3764.9	3757.9
22.5°	4798.6	4755.0	4653.7	4606.5	4606.5	4555.9	4404.0	4210.2	4044.3	3906.3	3888.8
25°	4919.1	4872.0	4795.1	4789.9	4814.4	4791.6	4608.3	4400.5	4206.7	4051.2	4023.3
27.5°	5086.8	5034.4	4989.0	5020.4	5055.3	5030.9	4826.6	4585.6	4381.3	4224.1	4199.7
30°	5353.9	5289.3	5247.4	5285.8	5353.9	5282.3	5060.6	4805.6	4599.6	4426.7	4414.5
32.5°	5664.8	5591.4	5547.8	5608.9	5670.0	5558.2	5338.2	5093.7	4877.2	4695.6	4674.7
35°	6038.5	5945.9	5881.3	5963.4	6026.2	5916.2	5697.9	5465.7	5224.7	5036.1	5008.2
37.5°	6370.2	6258.5	6214.8	6330.1	6413.9	6342.3	6104.8	5886.5	5622.9	5416.8	5404.6
40°	6611.2	6501.2	6469.8	6660.1	6806.8	6789.3	6576.3	6326.6	6078.6	5841.1	5818.4
42.5°	6716.0	6639.2	6646.1	6902.8	7129.8	7241.6	7051.3	6784.1	6544.9	6298.6	6282.9
45°	6738.7	6691.5	6747.4	7068.7	7367.3	7596.1	7433.7	7210.2	6939.5	6702.0	6695.0
47.5°	6763.1	6736.9	6822.5	7163.0	7517.5	7782.9	7692.1	7461.6	7187.5	6955.2	6937.8
50°	6820.8	6810.3	6906.3	7229.4	7589.1	7833.6	7730.6	7501.8	7220.7	6991.9	6950.0
52.5°	6838.2	6820.8	6958.7	7332.4	7707.9	7831.8	7610.1	7311.5	7028.6	6773.6	6730.0
55°	6892.4	6860.9	6955.2	7370.8	7872.0	7933.1	7603.1	7156.0	6761.4	6413.9	6310.9
57.5°	6906.3	6871.4	6932.5	7308.0	7693.9	7639.7	6682.8	5774.8	5030.9	4645.0	4688.6
60°	6831.2	6841.7	6736.9	6695.0	6171.2	5448.2	4091.4	3270.7	2568.7	2271.8	2336.5
62.5°	5200.3	5243.9	4885.9	4248.6	3267.2	2589.7	1713.0	1330.6	1126.3	1073.9	1082.7
65°	2624.6	2684.0	2312.0	1912.1	1421.4	1149.0	993.6	962.2	951.7	939.5	939.5
67.5°	1039.0	1056.5	1042.5	976.1	908.0	883.6	876.6	873.1	860.9	853.9	855.7
70°	834.7	848.7	827.7	785.8	757.9	756.1	752.6	745.6	736.9	736.9	742.1
72.5°	681.0	695.0	665.3	639.1	618.2	602.4	593.7	588.5	576.3	576.3	581.5
75°	501.2	509.9	485.5	482.0	459.3	443.5	429.6	422.6	406.9	399.9	405.1
77.5°	333.5	331.8	319.6	319.6	310.8	291.6	275.9	260.2	239.2	225.3	228.8
80°	216.5	216.5	211.3	211.3	202.6	186.8	167.6	151.9	139.7	129.2	129.2
82.5°	138.0	136.2	134.5	132.7	129.2	113.5	99.5	89.1	80.3	73.3	75.1
85°	76.8	76.8	73.3	73.3	66.4	57.6	50.6	43.7	38.4	36.7	36.7
87.5°	26.2	26.2	24.4	24.4	21.0	15.7	12.2	10.5	8.7	7.0	8.7
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)