

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: P643006

Luminaire Tested: GWS-SA6E-722-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643006
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-722-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20361.5 lumens
Efficiency: N/A
Efficacy: 62.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

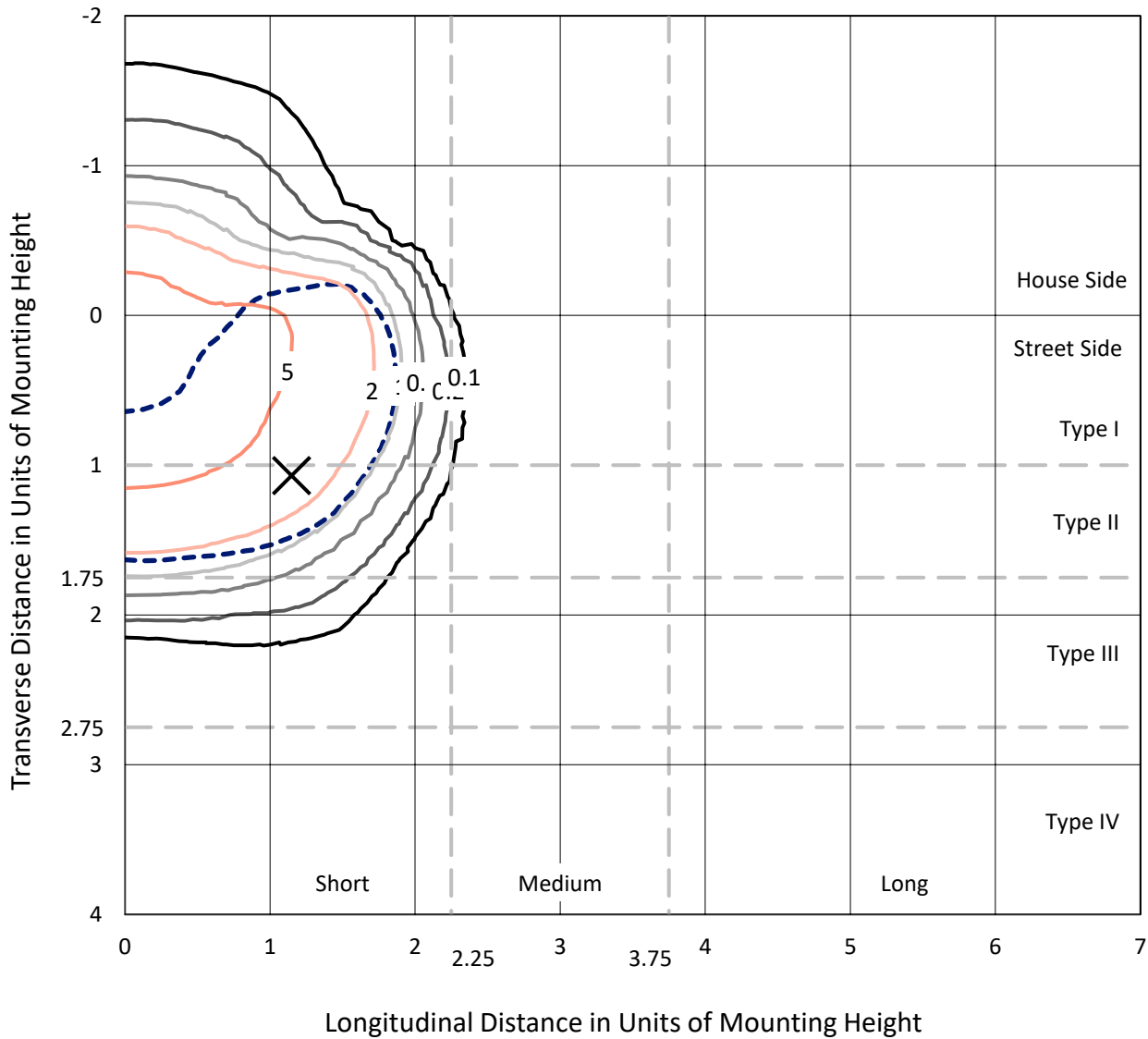
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

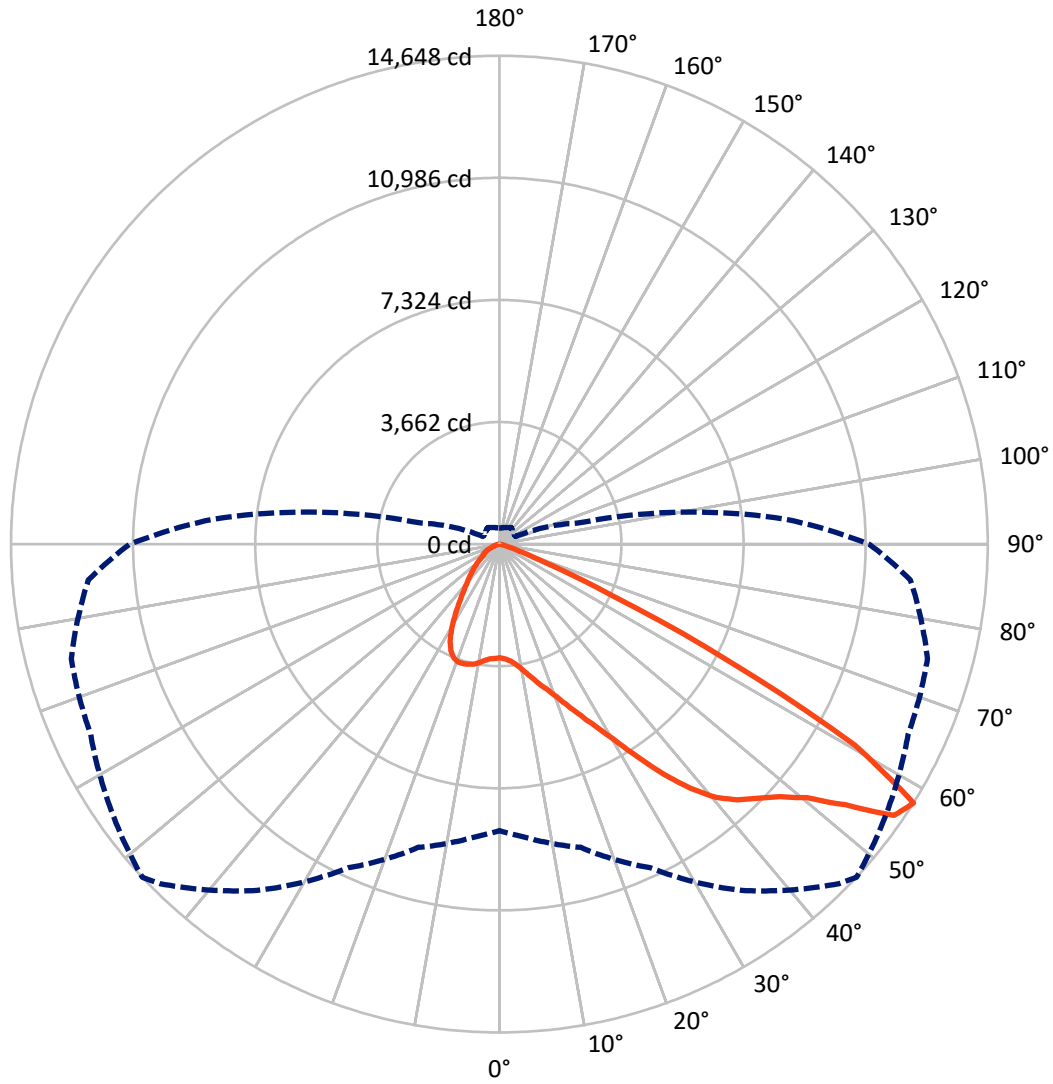
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4417.4	0.0	4417.4
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	15944.1	0.0	15944.1
	% Fixture	78.3	0.0	78.3
Total	Lumens	20361.5	0.0	20361.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.1	1.7
10°-20°	1144.2	5.6
20°-30°	2124.6	10.4
30°-40°	3401.0	16.7
40°-50°	4971.5	24.4
50°-60°	6135.8	30.1
60°-70°	2050.2	10.1
70°-80°	191.0	0.9
80°-90°	4.0	0.0
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°	20361.5	100.0
0°-180°	20361.5	100.0

Coefficient of Utilization



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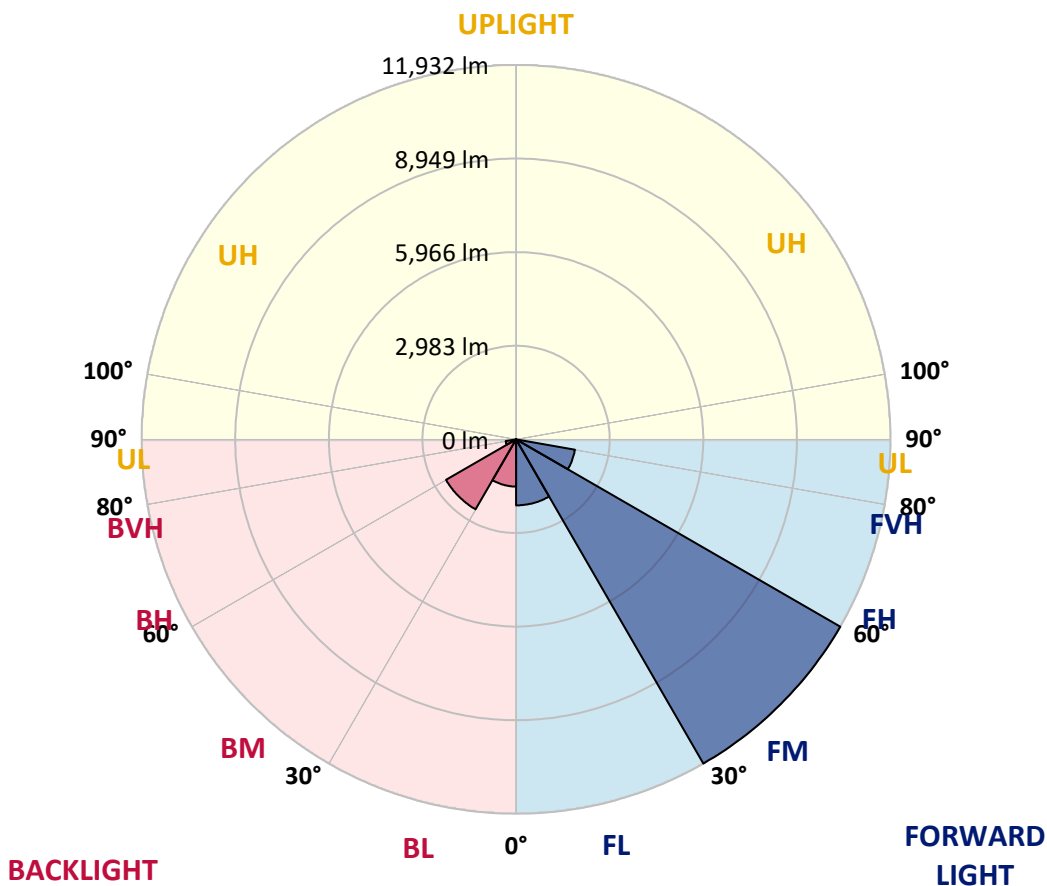
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2104.3	10.3			
FM (30°-60°)	11931.7	58.6			
FH (60°-80°)	1905.4	9.4			G2/5000
FVH (80°-90°)	2.7	0.0			G0/10
BL (0°-30°)	1503.6	7.4	B3/2500		
BM (30°-60°)	2576.7	12.7	B3/5000		
BH (60°-80°)	335.8	1.6	B1/500		G1/500
BVH (80°-90°)	1.3	0.0			G0/10
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°	47°	55°	65°	75°	85°
0°	3408.5	3408.5	3408.5	3408.5	3408.5	3408.5	3408.5	3408.5	3408.5	3408.5	3408.5
2.5°	3444.0	3441.6	3439.3	3453.4	3448.7	3446.4	3451.1	3451.1	3451.1	3436.9	3408.5
5°	3526.7	3526.7	3524.4	3538.5	3526.7	3519.6	3522.0	3522.0	3512.5	3486.5	3451.1
7.5°	3656.7	3652.0	3647.3	3661.5	3649.6	3647.3	3652.0	3637.8	3621.3	3578.7	3529.1
10°	3843.5	3843.5	3836.4	3850.6	3841.1	3836.4	3836.4	3826.9	3796.2	3730.0	3656.7
12.5°	4101.1	4089.3	4072.8	4060.9	4056.2	4053.8	4056.2	4042.0	4008.9	3923.8	3822.2
15°	4382.4	4372.9	4346.9	4328.0	4302.0	4297.3	4311.5	4299.7	4266.6	4150.8	4006.6
17.5°	4737.0	4748.8	4682.6	4642.4	4566.8	4562.1	4566.8	4585.7	4562.1	4413.1	4202.8
20°	5039.5	5049.0	4999.3	4971.0	4902.4	4871.7	4881.2	4911.9	4885.9	4711.0	4417.9
22.5°	5363.4	5375.2	5323.2	5264.1	5233.4	5233.4	5268.8	5311.4	5275.9	5046.6	4663.7
25°	5751.0	5760.5	5717.9	5639.9	5585.6	5654.1	5706.1	5819.6	5760.5	5448.5	4954.4
27.5°	6195.4	6197.8	6136.3	6055.9	6027.6	6155.2	6207.2	6382.1	6358.5	5899.9	5261.7
30°	6670.5	6672.9	6658.7	6604.3	6578.3	6746.2	6817.1	7070.0	7053.4	6460.1	5680.1
32.5°	7164.5	7164.5	7190.5	7185.8	7216.5	7490.7	7604.2	7892.6	7876.0	7145.6	6200.1
35°	7660.9	7663.3	7708.2	7821.7	7949.3	8313.3	8462.2	8812.1	8774.3	7965.9	6864.3
37.5°	8225.9	8202.2	8263.7	8433.9	8717.5	9138.3	9280.1	9613.4	9570.9	8805.0	7731.8
40°	8906.6	8864.1	8864.1	9062.6	9384.1	9868.7	9989.2	10154.7	10010.5	9483.4	8582.8
42.5°	9658.3	9618.1	9566.1	9741.0	10010.5	10388.7	10488.0	10443.1	10324.9	10124.0	9551.9
45°	10419.4	10358.0	10393.4	10499.8	10655.8	10835.5	10873.3	10665.3	10610.9	10667.6	10353.3
47.5°	10998.6	10956.0	11043.5	11192.4	11320.0	11346.0	11320.0	11031.7	11026.9	11227.8	10908.7
50°	11192.4	11197.1	11438.2	11764.4	11970.1	11991.3	11955.9	11625.0	11580.0	11639.1	11208.9
52.5°	11211.3	11230.2	11582.4	12204.1	12764.3	13019.6	12991.2	12634.3	12194.6	12130.8	11662.8
55°	10755.1	10866.2	11357.9	12265.5	13456.9	14272.4	14366.9	13683.8	13031.4	12977.0	12639.0
57.5°	8597.0	8823.9	9417.2	10710.2	12683.9	14402.4	14648.2	14156.5	13525.4	13293.8	12376.6
60°	5138.8	5420.1	5989.8	7575.8	9653.6	11837.7	12260.8	12329.4	12038.6	11369.7	9495.2
62.5°	2205.4	2181.7	2883.8	4098.8	5741.6	7523.8	7715.3	8013.1	8266.1	7566.4	5762.8
65°	756.4	822.6	1144.1	1848.5	2874.3	3493.6	3663.8	3930.9	4290.2	3540.9	2110.8
67.5°	468.0	496.4	659.5	1092.1	1550.6	1527.0	1451.3	1408.8	1371.0	938.4	579.1
70°	340.4	364.0	463.3	751.7	1042.4	732.8	635.9	515.3	572.0	527.1	411.3
72.5°	229.3	248.2	319.1	456.2	534.2	356.9	330.9	375.8	453.8	432.6	335.7
75°	137.1	148.9	182.0	222.2	217.5	184.4	186.7	264.7	347.5	323.8	238.7
77.5°	94.6	99.3	120.6	144.2	106.4	56.7	52.0	73.3	118.2	118.2	80.4
80°	23.6	30.7	30.7	18.9	16.5	14.2	14.2	21.3	33.1	23.6	11.8
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.7	4.7	4.7	4.7
85°	0.0	0.0	2.4	2.4	2.4	2.4	2.4	2.4	4.7	4.7	4.7
87.5°	0.0	0.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.7	4.7
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°	3408.5	3408.5	3408.5	3408.5	3408.5	3408.5	3408.5	3408.5	3408.5	3408.5	3408.5
2.5°	3425.1	3396.7	3415.6	3410.9	3425.1	3429.8	3408.5	3403.8	3406.2	3377.8	3368.4
5°	3458.2	3425.1	3434.5	3425.1	3441.6	3455.8	3448.7	3458.2	3470.0	3448.7	3439.3
7.5°	3529.1	3496.0	3493.6	3479.4	3503.1	3512.5	3510.2	3536.2	3559.8	3545.6	3531.5
10°	3652.0	3607.1	3602.4	3590.5	3597.6	3604.7	3578.7	3583.5	3604.7	3588.2	3581.1
12.5°	3803.3	3748.9	3737.1	3708.7	3708.7	3673.3	3616.5	3604.7	3621.3	3609.5	3597.6
15°	3966.4	3893.1	3874.2	3824.6	3777.3	3711.1	3652.0	3637.8	3649.6	3635.5	3626.0
17.5°	4148.4	4065.7	4004.2	3916.7	3812.7	3734.7	3668.6	3637.8	3618.9	3590.5	3588.2
20°	4328.0	4219.3	4115.3	3975.8	3838.7	3720.6	3611.8	3531.5	3462.9	3420.4	3403.8
22.5°	4536.0	4375.3	4207.5	4011.3	3815.1	3635.5	3444.0	3306.9	3188.7	3148.5	3129.6
25°	4758.2	4550.2	4299.7	4044.4	3734.7	3446.4	3186.3	2983.1	2827.1	2775.1	2753.8
27.5°	5004.1	4718.1	4394.2	4037.3	3569.3	3176.9	2831.8	2578.9	2425.2	2377.9	2394.5
30°	5316.1	4935.5	4512.4	3964.0	3321.1	2798.7	2394.5	2181.7	2065.9	2021.0	2023.4
32.5°	5732.1	5247.5	4685.0	3808.0	3002.0	2368.5	2013.9	1857.9	1779.9	1720.8	1716.1
35°	6327.8	5722.7	4845.7	3557.5	2614.3	1985.6	1727.9	1605.0	1496.3	1427.7	1439.5
37.5°	7041.6	6320.7	4933.2	3219.4	2179.4	1687.7	1512.8	1387.5	1264.6	1163.0	1174.8
40°	7887.9	7103.1	4926.1	2775.1	1782.3	1484.4	1333.2	1186.6	1033.0	940.8	950.2
42.5°	8831.0	7842.9	4772.4	2304.7	1477.3	1319.0	1160.6	976.2	827.3	770.6	772.9
45°	9648.9	8443.3	4503.0	1817.7	1243.3	1158.2	981.0	791.9	725.7	685.5	683.1
47.5°	10254.0	8883.0	4117.7	1430.1	1054.2	1011.7	806.0	709.1	657.1	624.0	619.3
50°	10592.0	9036.6	3692.2	1120.4	891.1	858.0	720.9	642.9	607.5	586.2	581.5
52.5°	11045.8	9221.0	3387.3	884.0	746.9	702.0	664.2	598.0	574.4	557.8	550.8
55°	11764.4	9577.9	3122.5	702.0	621.7	612.2	626.4	572.0	557.8	531.8	522.4
57.5°	11088.4	8604.1	2425.2	543.7	524.8	560.2	605.1	546.0	510.6	486.9	477.5
60°	7802.8	5720.3	1219.7	437.3	468.0	524.8	569.7	494.0	458.6	463.3	458.6
62.5°	4302.0	2862.5	548.4	366.4	406.6	463.3	486.9	427.8	404.2	444.4	451.5
65°	1406.4	973.9	316.7	283.7	321.5	378.2	420.7	406.6	401.8	449.1	463.3
67.5°	432.6	321.5	215.1	203.3	222.2	278.9	354.6	439.7	472.8	486.9	494.0
70°	323.8	252.9	184.4	172.6	182.0	212.7	300.2	366.4	345.1	347.5	342.7
72.5°	260.0	200.9	158.4	151.3	151.3	146.6	158.4	198.6	224.6	236.4	236.4
75°	182.0	141.8	120.6	111.1	87.5	70.9	63.8	63.8	56.7	54.4	52.0
77.5°	61.5	52.0	47.3	37.8	26.0	21.3	18.9	16.5	11.8	7.1	4.7
80°	9.5	7.1	4.7	4.7	4.7	2.4	2.4	2.4	0.0	0.0	0.0
82.5°	4.7	4.7	4.7	4.7	4.7	2.4	2.4	0.0	0.0	0.0	0.0
85°	4.7	4.7	4.7	4.7	4.7	2.4	2.4	0.0	0.0	0.0	0.0
87.5°	4.7	4.7	4.7	4.7	2.4	2.4	2.4	0.0	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)