

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: P642778

Luminaire Tested: GWS-SA6D-750-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-750-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21765.7 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

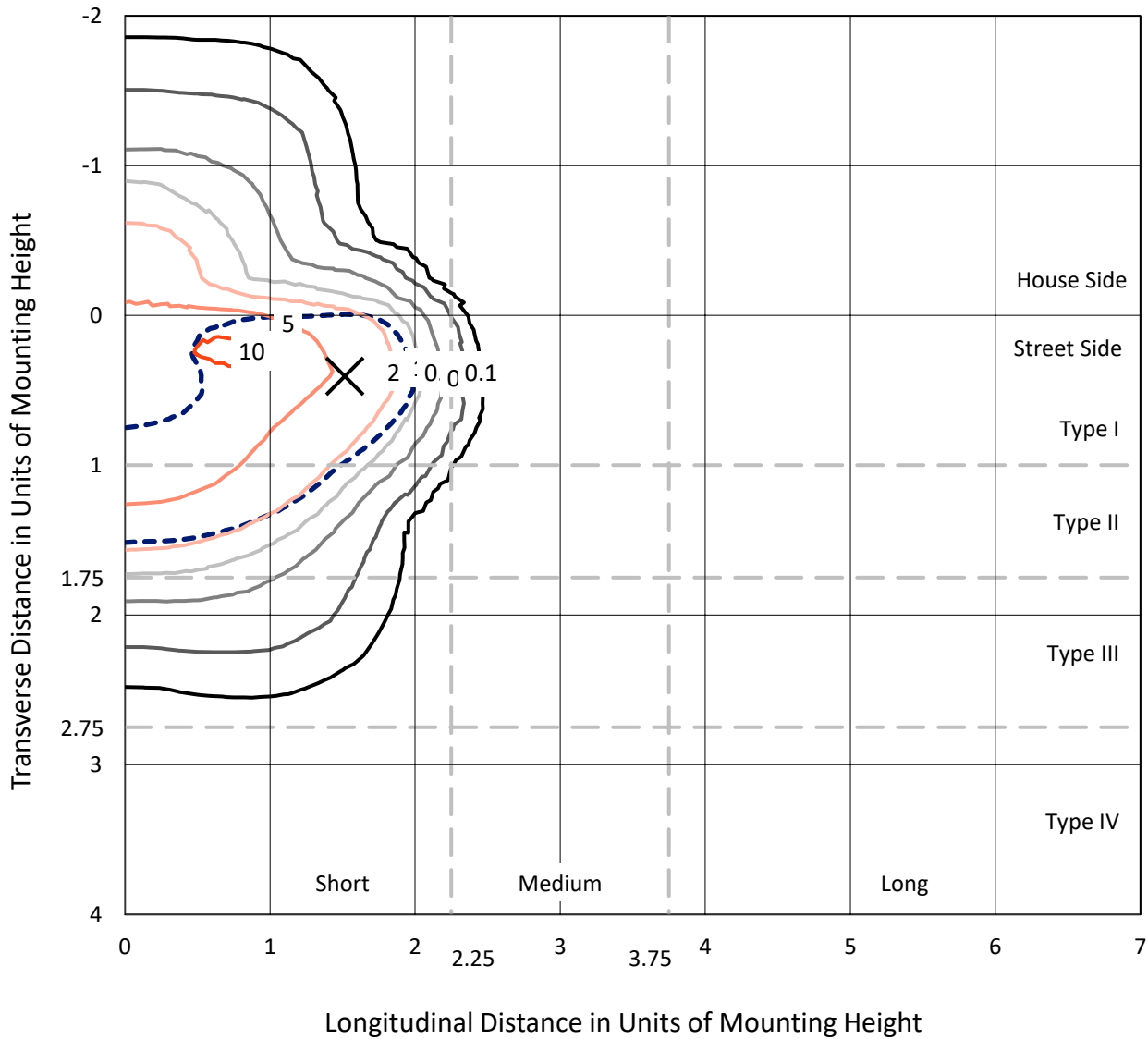
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

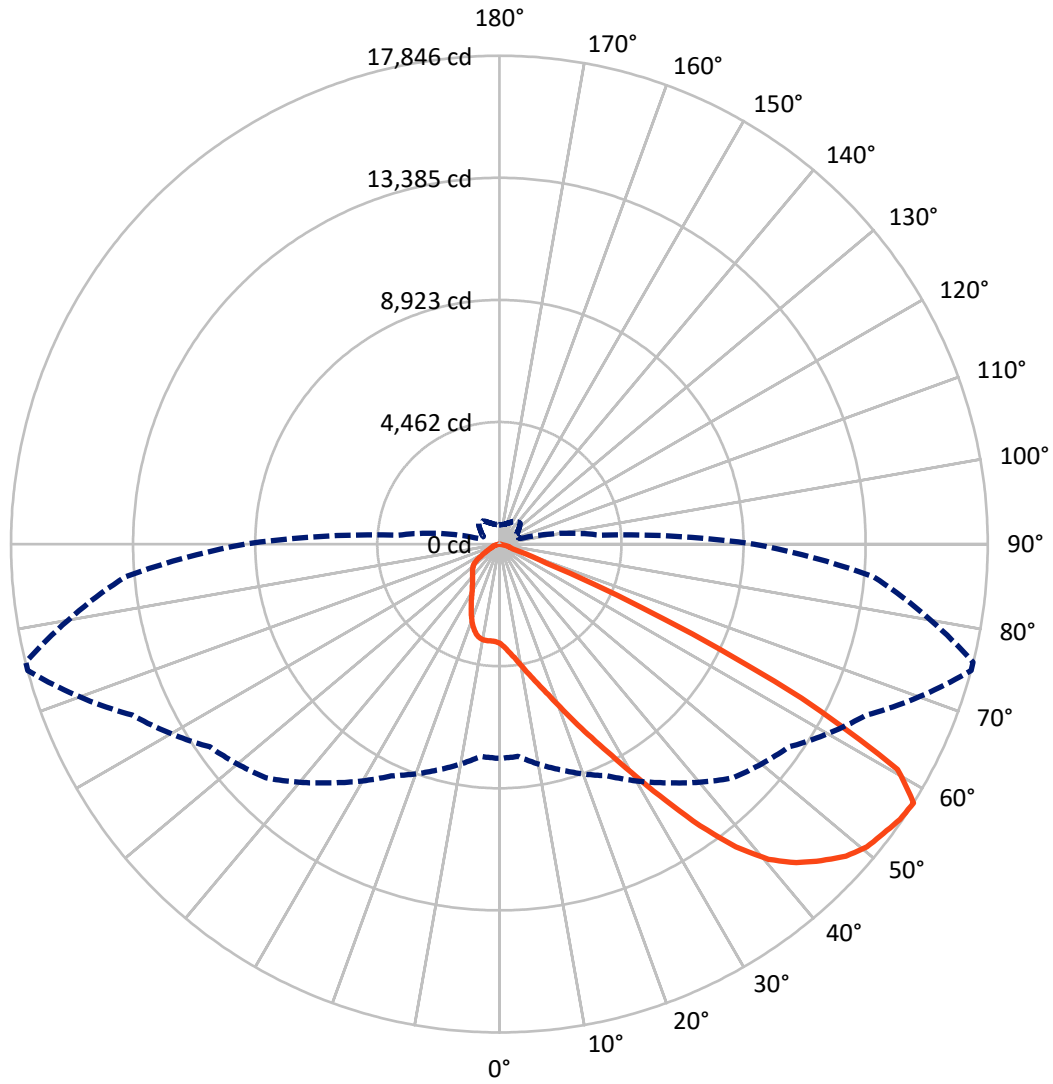
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3555.4	0.0	3555.4
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	18210.3	0.0	18210.3
	% Fixture	83.7	0.0	83.7
Total	Lumens	21765.7	0.0	21765.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.4	1.7
10°-20°	1200.0	5.5
20°-30°	2197.5	10.1
30°-40°	3645.8	16.8
40°-50°	5568.0	25.6
50°-60°	6256.6	28.7
60°-70°	2307.7	10.6
70°-80°	220.6	1.0
80°-90°	0.2	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°	21765.7	100.0
0°-180°	21765.7	100.0

Coefficient of Utilization



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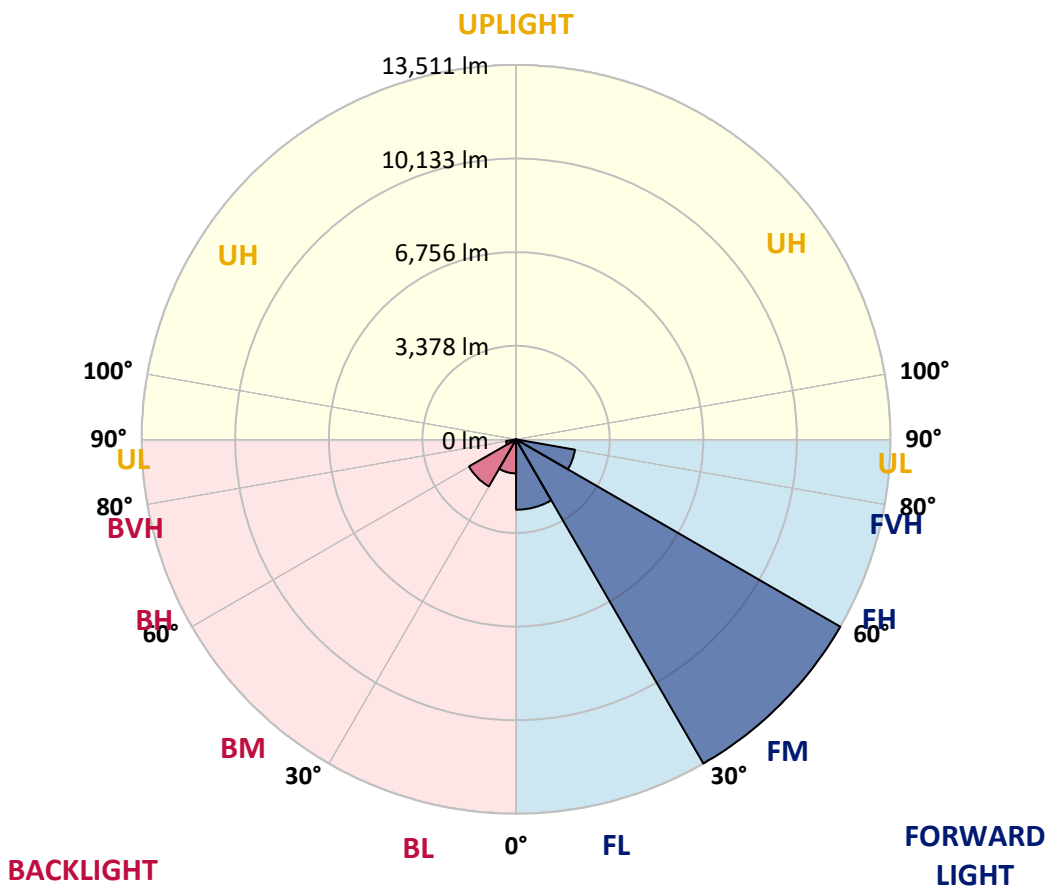
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2540.0	11.7			
FM (30°-60°)	13511.1	62.1			
FH (60°-80°)	2159.1	9.9			G2/5000
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	1226.8	5.6	B3/2500		
BM (30°-60°)	1959.2	9.0	B2/2500		
BH (60°-80°)	369.2	1.7	B1/500		G1/500
BVH (80°-90°)	0.1	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°	55°	65°	75°	76°	85°
0°	3630.2	3630.2	3630.2	3630.2	3630.2	3630.2	3630.2	3630.2	3630.2	3630.2	3630.2
2.5°	4055.8	4097.8	4084.6	4058.4	4042.6	3987.5	3953.3	3853.5	3782.6	3774.7	3709.0
5°	4568.0	4560.1	4549.6	4518.1	4491.8	4405.1	4302.7	4134.6	3984.8	3966.4	3827.2
7.5°	4849.0	4854.3	4859.6	4854.3	4835.9	4770.2	4657.3	4460.3	4231.7	4216.0	3995.3
10°	4964.6	4975.1	5001.4	5051.3	5096.0	5090.7	5025.0	4822.8	4541.7	4515.4	4218.6
12.5°	5019.8	5032.9	5074.9	5169.5	5290.3	5384.9	5395.4	5214.2	4904.2	4862.2	4483.9
15°	5096.0	5109.1	5161.6	5285.1	5461.1	5647.6	5768.4	5652.8	5306.1	5261.4	4775.5
17.5°	5130.1	5148.5	5224.7	5387.5	5616.1	5902.4	6175.6	6165.1	5781.6	5747.4	5114.3
20°	5195.8	5208.9	5277.2	5453.2	5729.0	6141.4	6601.1	6766.6	6362.1	6312.2	5524.1
22.5°	5403.3	5408.5	5440.1	5550.4	5807.8	6314.8	7034.5	7467.9	7047.7	6982.0	5983.8
25°	5742.2	5739.5	5752.7	5771.0	5960.2	6490.8	7452.2	8258.6	7833.1	7762.1	6503.9
27.5°	6172.9	6172.9	6204.5	6151.9	6228.1	6708.8	7864.6	9167.5	8747.2	8647.4	7073.9
30°	6679.9	6677.3	6750.8	6666.8	6690.4	7052.9	8308.5	10157.8	9850.4	9727.0	7730.6
32.5°	7368.1	7352.4	7436.4	7320.8	7242.0	7573.0	8849.6	11192.7	11171.7	10982.6	8555.4
35°	8237.6	8211.3	8237.6	8124.6	7982.8	8300.6	9558.9	12225.1	12637.5	12437.8	9537.9
37.5°	9101.8	9185.9	9214.8	9020.4	8904.8	9222.6	10412.6	13149.7	14037.5	13830.0	10559.7
40°	10121.0	10094.7	10194.5	9976.5	9903.0	10255.0	11247.9	13837.9	15146.0	14949.0	11468.5
42.5°	10872.3	10919.5	11043.0	10922.2	10864.4	11195.4	11949.2	14239.8	15915.7	15721.3	12117.4
45°	11773.2	11807.4	11854.7	11754.9	11694.4	12020.2	12456.2	14415.8	16501.5	16291.3	12553.4
47.5°	12747.8	12774.1	12774.1	12569.2	12374.8	12508.7	12795.1	14515.6	17039.9	16837.7	12876.5
50°	13446.5	13459.6	13575.2	13430.7	13007.8	12800.3	12950.0	14612.8	17397.2	17208.1	12981.6
52.5°	12826.6	12810.8	13191.7	13491.2	13604.1	13191.7	13218.0	14754.6	17570.6	17407.7	13065.6
55°	10801.3	10775.1	11310.9	12038.6	13034.1	13562.1	13541.1	14838.7	17762.3	17662.5	13370.3
57.5°	7830.4	7785.8	8531.8	9340.8	10646.4	12078.0	12918.5	14791.4	17846.4	17838.5	13724.9
60°	4707.2	4670.4	5374.4	6225.5	7234.2	8673.6	10068.5	13249.5	16722.1	16737.9	12802.9
62.5°	2897.3	2931.5	3567.2	4000.6	4376.2	4809.6	5616.1	8912.7	12387.9	12490.4	8996.7
65°	1949.1	1975.3	2563.7	3110.1	3110.1	2542.7	2182.9	4260.6	6609.0	6435.6	4255.4
67.5°	1308.1	1337.0	1802.0	2440.3	2532.2	1773.1	885.2	1271.4	1841.4	1786.2	1053.3
70°	769.6	801.2	1200.4	1673.3	1844.0	1234.6	591.0	538.5	522.7	507.0	409.8
72.5°	344.1	357.2	612.0	851.1	777.5	520.1	417.7	430.8	407.2	399.3	333.6
75°	105.1	110.3	157.6	183.9	186.5	186.5	252.2	338.9	320.5	323.1	257.4
77.5°	26.3	26.3	42.0	39.4	21.0	18.4	47.3	76.2	78.8	70.9	52.5
80°	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3630.2	3630.2	3630.2	3630.2	3630.2	3630.2	3630.2	3630.2	3630.2	3630.2	3630.2
2.5°	3680.1	3611.8	3567.2	3504.1	3459.5	3412.2	3370.2	3336.0	3317.6	3312.4	3315.0
5°	3764.2	3656.5	3551.4	3430.6	3346.5	3267.7	3204.7	3154.8	3131.1	3123.2	3123.2
7.5°	3892.9	3743.2	3556.7	3367.5	3225.7	3102.2	3028.7	2973.5	2952.5	2947.3	2931.5
10°	4061.0	3856.1	3548.8	3254.6	3055.0	2926.2	2873.7	2857.9	2865.8	2868.4	2865.8
12.5°	4263.3	3974.3	3498.9	3089.1	2873.7	2794.9	2800.2	2842.2	2889.5	2913.1	2918.4
15°	4478.7	4082.0	3385.9	2892.1	2718.7	2716.1	2792.3	2889.5	2981.4	3020.8	3031.3
17.5°	4720.3	4168.7	3212.6	2681.9	2584.8	2660.9	2797.5	2947.3	3070.7	3136.4	3149.5
20°	4985.6	4239.6	2991.9	2484.9	2466.6	2603.1	2792.3	2976.1	3128.5	3202.0	3215.2
22.5°	5261.4	4289.5	2737.1	2303.7	2358.9	2537.5	2742.4	2921.0	3065.5	3149.5	3160.0
25°	5576.7	4294.8	2477.1	2151.3	2259.0	2448.2	2621.5	2768.6	2889.5	2963.0	2970.9
27.5°	5852.5	4231.7	2245.9	2027.9	2167.1	2337.8	2453.4	2534.8	2618.9	2660.9	2663.6
30°	6170.3	4121.4	2027.9	1928.1	2072.5	2201.2	2259.0	2277.4	2285.3	2293.2	2282.7
32.5°	6548.6	3987.5	1865.0	1830.9	1964.8	2051.5	2067.3	2030.5	1985.8	1922.8	1907.0
35°	7013.5	3866.6	1731.1	1736.3	1846.6	1899.2	1886.0	1807.2	1720.5	1644.4	1631.2
37.5°	7517.9	3764.2	1628.6	1644.4	1717.9	1754.7	1715.3	1628.6	1589.2	1523.5	1526.2
40°	7964.4	3680.1	1536.7	1552.4	1586.6	1620.7	1557.7	1499.9	1573.4	1568.2	1573.4
42.5°	8282.3	3609.2	1457.9	1450.0	1473.6	1497.3	1450.0	1421.1	1544.5	1510.4	1528.8
45°	8468.8	3543.5	1392.2	1344.9	1381.7	1423.7	1392.2	1355.4	1397.4	1239.8	1226.7
47.5°	8594.8	3506.8	1334.4	1242.5	1308.1	1381.7	1316.0	1226.7	1166.3	1029.7	1019.2
50°	8608.0	3488.4	1266.1	1137.4	1221.5	1300.3	1224.1	1100.6	1013.9	953.5	945.6
52.5°	8676.3	3525.1	1171.5	1003.4	1095.4	1221.5	1168.9	1045.5	927.3	874.7	864.2
55°	8981.0	3680.1	1013.9	819.6	953.5	1161.0	1124.3	932.5	819.6	788.0	780.2
57.5°	9296.2	3711.6	798.5	648.8	830.1	1074.4	1027.1	859.0	748.6	711.9	704.0
60°	8500.3	3057.6	598.9	535.9	732.9	992.9	950.9	814.3	685.6	640.9	633.1
62.5°	5584.5	1652.2	475.4	454.4	617.3	840.6	866.8	735.5	612.0	564.8	562.1
65°	2574.2	767.0	365.1	359.9	483.3	669.8	746.0	643.6	517.5	475.4	475.4
67.5°	701.4	380.9	286.3	265.3	328.3	449.2	543.7	480.7	367.7	317.8	315.2
70°	349.4	307.3	257.4	228.5	236.4	278.4	320.5	267.9	186.5	152.4	149.7
72.5°	286.3	252.2	218.0	194.4	178.6	170.7	165.5	134.0	86.7	65.7	63.0
75°	212.8	181.2	155.0	126.1	107.7	99.8	89.3	65.7	36.8	21.0	18.4
77.5°	47.3	44.7	42.0	31.5	28.9	23.6	18.4	13.1	5.3	0.0	0.0
80°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)