

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: P635199

Luminaire Tested: GWS-SA3D-730-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635199
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-SA3D-730-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16036.1 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

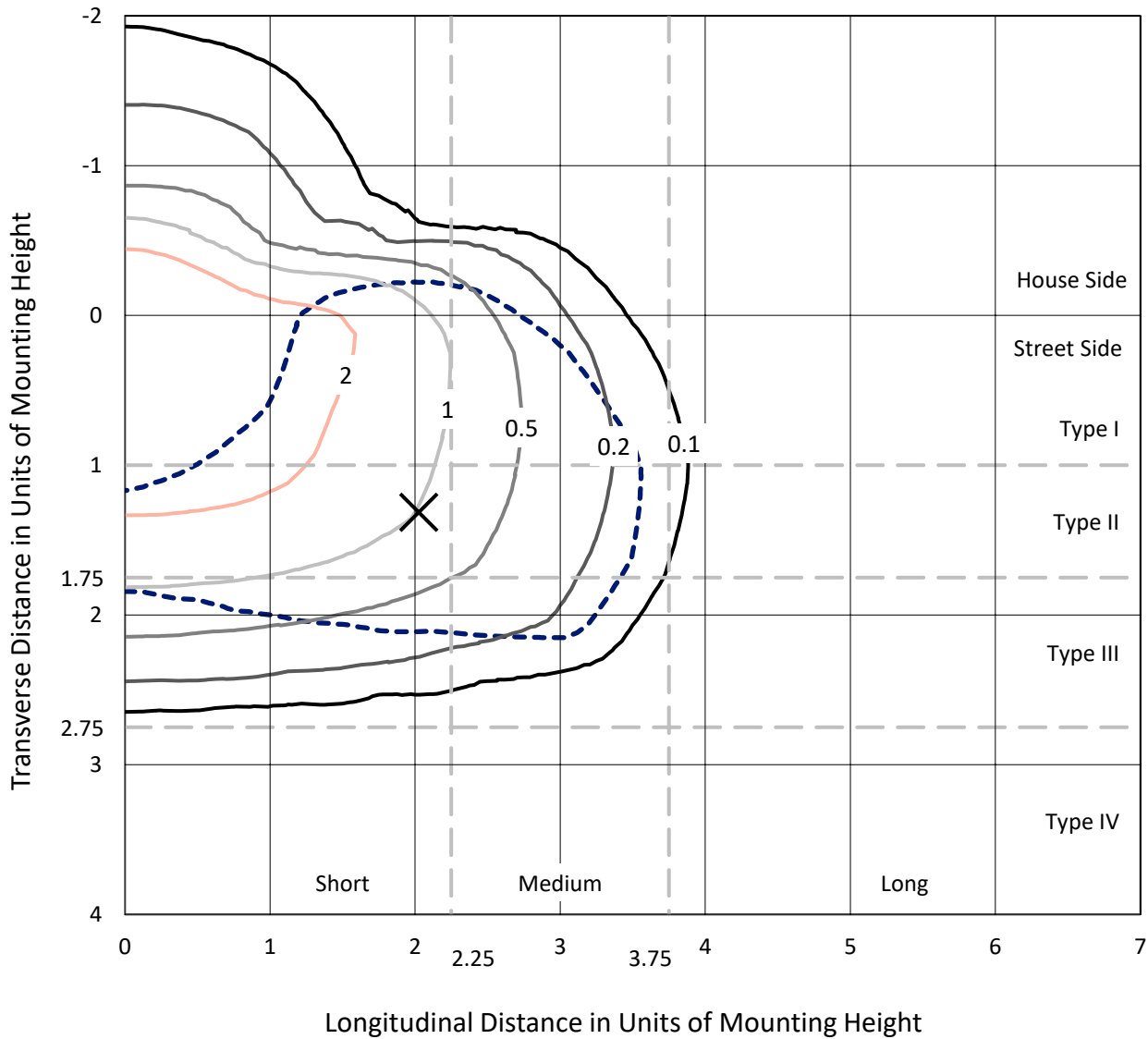
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

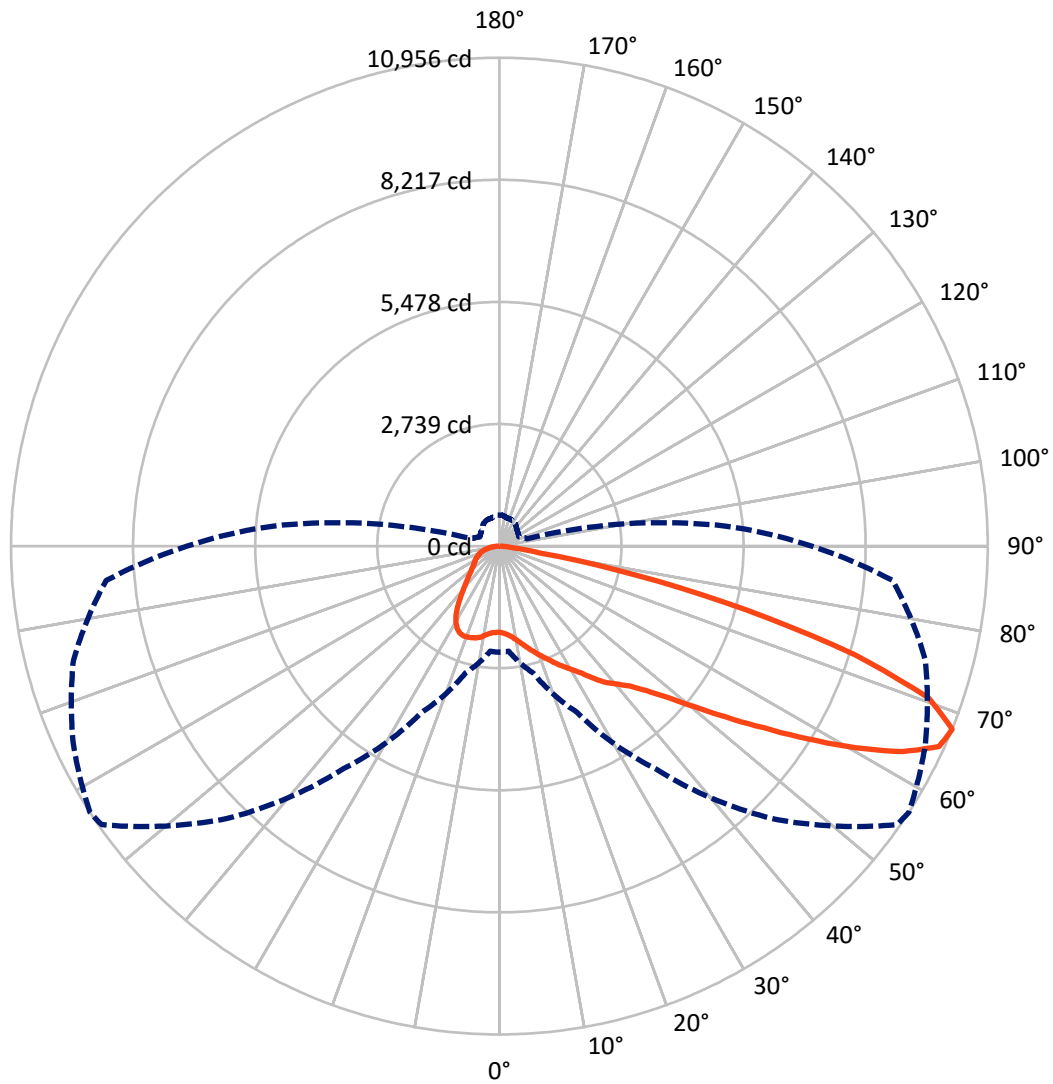
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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	3525.7	0.0	3525.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	12510.4	0.0	12510.4
	% Fixture	78.0	0.0	78.0
Total	Lumens	16036.1	0.0	16036.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.6	1.2
10°-20°	634.4	4.0
20°-30°	1131.1	7.1
30°-40°	1644.4	10.3
40°-50°	2380.0	14.8
50°-60°	3724.6	23.2
60°-70°	4345.0	27.1
70°-80°	1813.8	11.3
80°-90°	171.2	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°	16036.1	100.0
0°-180°	16036.1	100.0

Coefficient of Utilization



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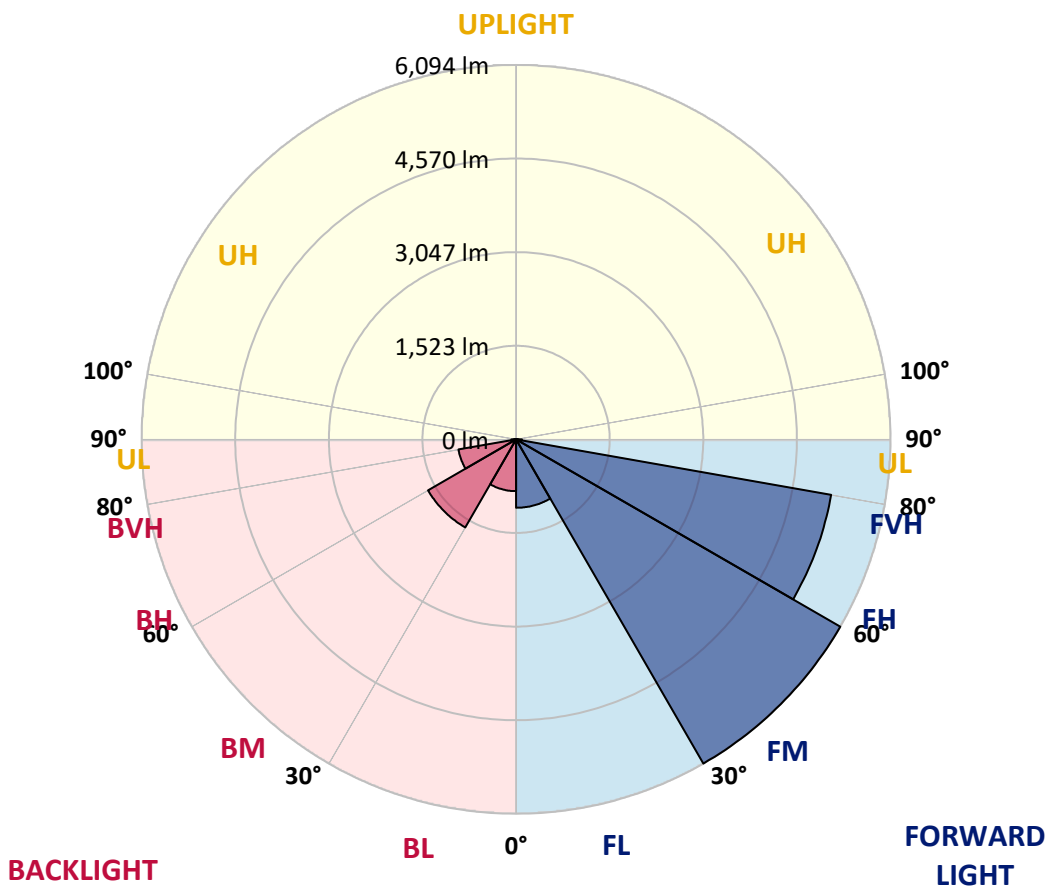
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1113.9	6.9			
FM (30°-60°)	6094.0	38.0			
FH (60°-80°)	5207.2	32.5			G3/7500
FVH (80°-90°)	95.4	0.6			G1/100
BL (0°-30°)	843.2	5.3	B2/1000		
BM (30°-60°)	1655.1	10.3	B2/2500		
BH (60°-80°)	951.6	5.9	B2/1000		G2/1000
BVH (80°-90°)	75.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1932.2	1932.2	1932.2	1932.2	1932.2	1932.2	1932.2	1932.2	1932.2	1932.2	1932.2
2.5°	1959.8	1957.5	1956.4	1963.3	1961.0	1959.8	1959.8	1958.7	1956.4	1947.2	1934.5
5°	2013.8	2009.2	2004.6	2010.4	2005.8	2001.2	2000.0	1997.7	1989.7	1975.9	1956.4
7.5°	2070.1	2065.5	2066.6	2070.1	2066.6	2064.4	2060.9	2058.6	2046.0	2024.1	1997.7
10°	2149.4	2149.4	2151.7	2155.1	2156.3	2152.8	2145.9	2142.5	2127.5	2100.0	2063.2
12.5°	2264.2	2261.9	2261.9	2259.6	2263.1	2259.6	2252.7	2247.0	2228.6	2193.0	2140.2
15°	2415.9	2406.7	2398.6	2383.7	2379.1	2366.5	2368.8	2365.3	2348.1	2299.8	2233.2
17.5°	2577.9	2576.7	2564.1	2534.2	2504.3	2483.7	2488.2	2487.1	2477.9	2412.4	2327.4
20°	2720.3	2726.0	2714.6	2691.6	2651.4	2612.3	2610.0	2615.8	2604.3	2538.8	2420.5
22.5°	2880.0	2875.4	2863.9	2834.0	2804.2	2762.8	2749.0	2744.4	2739.8	2665.2	2515.8
25°	3031.6	3045.4	3030.5	3002.9	2956.9	2912.1	2900.7	2905.3	2892.6	2793.8	2618.1
27.5°	3223.5	3229.2	3220.0	3182.1	3143.1	3079.9	3058.0	3058.0	3053.4	2914.4	2698.5
30°	3427.9	3444.0	3427.9	3396.9	3356.7	3266.0	3218.9	3214.3	3200.5	3038.5	2792.7
32.5°	3633.6	3645.1	3633.6	3603.7	3557.8	3478.5	3410.7	3400.4	3382.0	3174.1	2889.2
35°	3816.2	3826.6	3824.3	3831.2	3793.3	3693.3	3652.0	3647.4	3599.1	3351.0	3020.1
37.5°	4016.1	4028.8	4011.5	4025.3	4010.4	3916.2	3903.5	3880.6	3811.6	3517.6	3158.0
40°	4243.6	4255.1	4227.5	4233.2	4216.0	4163.2	4098.8	4067.8	3965.6	3697.9	3375.1
42.5°	4487.1	4513.5	4526.2	4515.8	4475.6	4445.8	4333.2	4294.1	4209.1	4023.0	3732.4
45°	4839.8	4878.9	4897.2	4870.8	4853.6	4811.1	4673.2	4626.1	4581.3	4481.4	4230.9
47.5°	5220.0	5255.6	5314.2	5325.7	5339.5	5307.3	5113.2	5067.2	5075.3	5063.8	4844.4
50°	5523.3	5553.2	5685.3	5826.6	5943.8	5953.0	5704.8	5655.4	5699.1	5735.8	5583.1
52.5°	5743.9	5770.3	5944.9	6236.7	6502.1	6698.5	6430.8	6374.6	6410.2	6492.9	6422.8
55°	5923.1	5959.8	6142.5	6590.5	7127.0	7437.2	7266.0	7194.8	7179.8	7282.1	7322.3
57.5°	6017.3	6028.8	6285.0	6867.4	7585.4	8162.1	8236.7	8156.3	8013.9	8070.1	8279.2
60°	5802.5	5822.0	6172.4	6938.6	7947.2	8881.2	9255.7	9189.1	8885.8	8916.8	9147.7
62.5°	5208.5	5236.1	5657.7	6599.7	7977.1	9361.4	10196.5	10154.0	9747.4	9579.6	9648.6
65°	4178.1	4187.3	4623.8	5761.1	7383.2	9421.1	10852.5	10842.1	10349.3	9956.4	9661.2
67.5°	2382.6	2366.5	2950.1	4109.2	6093.1	8644.5	10895.0	10955.9	10544.6	9894.4	8857.1
70°	1032.7	1035.0	1303.9	2027.6	3943.7	6986.9	10119.6	10224.1	9979.4	8861.7	7046.6
72.5°	477.9	484.8	600.8	877.7	1684.1	4334.3	8251.7	8345.9	8135.6	7092.5	5127.0
75°	337.7	343.5	400.9	503.2	774.3	1688.7	5519.9	5717.5	5819.7	5305.0	3378.5
77.5°	256.2	264.2	292.9	349.2	477.9	598.5	2641.0	3112.0	3707.1	3300.4	1740.4
80°	163.1	163.1	194.1	233.2	291.8	311.3	762.8	904.1	1813.9	1360.2	683.5
82.5°	110.3	113.7	132.1	148.2	167.7	176.9	327.4	349.2	523.8	463.0	281.5
85°	58.6	60.9	68.9	67.8	80.4	70.1	137.9	136.7	191.8	210.2	106.8
87.5°	0.0	0.0	1.1	1.1	2.3	3.4	14.9	16.1	40.2	64.3	35.6
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°	1932.2	1932.2	1932.2	1932.2	1932.2	1932.2	1932.2	1932.2	1932.2	1932.2	1932.2
2.5°	1941.4	1927.6	1934.5	1932.2	1939.1	1939.1	1926.5	1923.1	1924.2	1910.4	1905.8
5°	1958.7	1942.6	1946.0	1941.4	1948.3	1954.1	1948.3	1948.3	1955.2	1944.9	1939.1
7.5°	1997.7	1979.3	1979.3	1973.6	1981.6	1986.2	1981.6	1988.5	2001.2	1990.8	1985.1
10°	2059.8	2037.9	2039.1	2032.2	2035.6	2033.3	2015.0	2009.2	2012.7	2003.5	1998.9
12.5°	2140.2	2110.3	2110.3	2096.5	2088.5	2064.4	2026.4	2012.7	2015.0	2006.9	2003.5
15°	2217.1	2189.6	2183.8	2156.3	2119.5	2074.7	2040.2	2031.0	2033.3	2025.3	2019.5
17.5°	2307.9	2272.3	2251.6	2201.1	2133.3	2087.3	2052.9	2031.0	2012.7	1994.3	1989.7
20°	2391.8	2346.9	2309.0	2230.9	2148.2	2085.0	2020.7	1966.7	1921.9	1897.8	1892.0
22.5°	2477.9	2420.5	2353.8	2251.6	2147.1	2043.7	1925.3	1843.8	1777.2	1741.5	1748.4
25°	2559.5	2487.1	2396.3	2271.1	2110.3	1951.8	1790.9	1669.2	1593.4	1565.8	1557.7
27.5°	2627.3	2537.6	2435.4	2261.9	2034.5	1819.7	1607.1	1471.6	1398.1	1367.0	1359.0
30°	2703.1	2602.0	2491.7	2219.4	1915.0	1634.7	1399.2	1288.9	1236.1	1206.2	1207.4
32.5°	2790.4	2684.7	2571.0	2137.9	1762.2	1434.8	1228.0	1152.2	1109.7	1079.8	1075.3
35°	2907.6	2803.0	2623.8	2015.0	1568.1	1251.0	1110.9	1048.8	996.0	956.9	948.9
37.5°	3052.3	2981.1	2629.5	1850.7	1360.2	1124.7	1027.0	960.4	896.0	844.4	838.6
40°	3300.4	3218.9	2582.4	1645.0	1183.2	1043.1	956.9	880.0	805.3	747.9	739.8
42.5°	3654.3	3486.5	2481.4	1413.0	1050.0	978.8	890.3	792.7	716.8	676.6	670.9
45°	4104.6	3785.2	2329.7	1194.7	951.2	915.6	820.2	718.0	677.8	649.1	643.3
47.5°	4656.0	4133.3	2155.1	1024.7	874.2	858.1	749.0	692.7	657.1	633.0	627.2
50°	5315.4	4576.7	2011.5	891.5	805.3	791.5	726.0	677.8	649.1	629.5	624.9
52.5°	6067.8	5069.5	1941.4	796.1	745.6	731.8	718.0	674.3	650.2	635.3	629.5
55°	6849.0	5588.8	1876.0	722.6	695.0	703.1	719.1	685.8	667.4	647.9	642.2
57.5°	7603.7	6075.9	1715.1	665.1	658.2	689.3	724.9	697.3	675.5	656.0	649.1
60°	8124.1	6342.4	1442.9	619.2	630.7	672.0	709.9	680.1	652.5	644.5	641.0
62.5°	8264.3	6310.2	1120.1	572.1	597.4	634.1	670.9	651.4	622.6	635.3	636.4
65°	7936.9	5965.6	840.9	526.1	553.7	584.7	630.7	622.6	612.3	646.8	647.9
67.5°	7009.8	5118.9	641.0	485.9	508.9	546.8	618.0	651.4	653.7	697.3	692.7
70°	5303.9	3824.3	502.0	448.0	474.4	546.8	658.2	673.2	645.6	685.8	676.6
72.5°	3666.9	2523.9	427.3	414.7	431.9	521.5	657.1	657.1	627.2	627.2	610.0
75°	2278.0	1484.2	372.2	372.2	372.2	456.1	638.7	605.4	552.6	528.4	514.7
77.5°	1124.7	721.4	312.5	324.0	311.3	381.4	521.5	495.1	463.0	437.7	428.5
80°	480.2	360.7	252.7	265.4	250.4	287.2	413.6	407.8	376.8	343.5	333.1
82.5°	220.6	186.1	202.2	207.9	182.7	216.0	302.1	302.1	284.9	238.9	221.7
85°	94.2	98.8	140.2	140.2	114.9	121.8	162.0	153.9	137.9	112.6	103.4
87.5°	32.2	48.2	71.2	62.0	24.1	10.3	5.7	2.3	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)