

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: P635309

Luminaire Tested: GWS-SA3D-740-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635309
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-740-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17610.1 lumens
Efficiency: N/A
Efficacy: 145.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

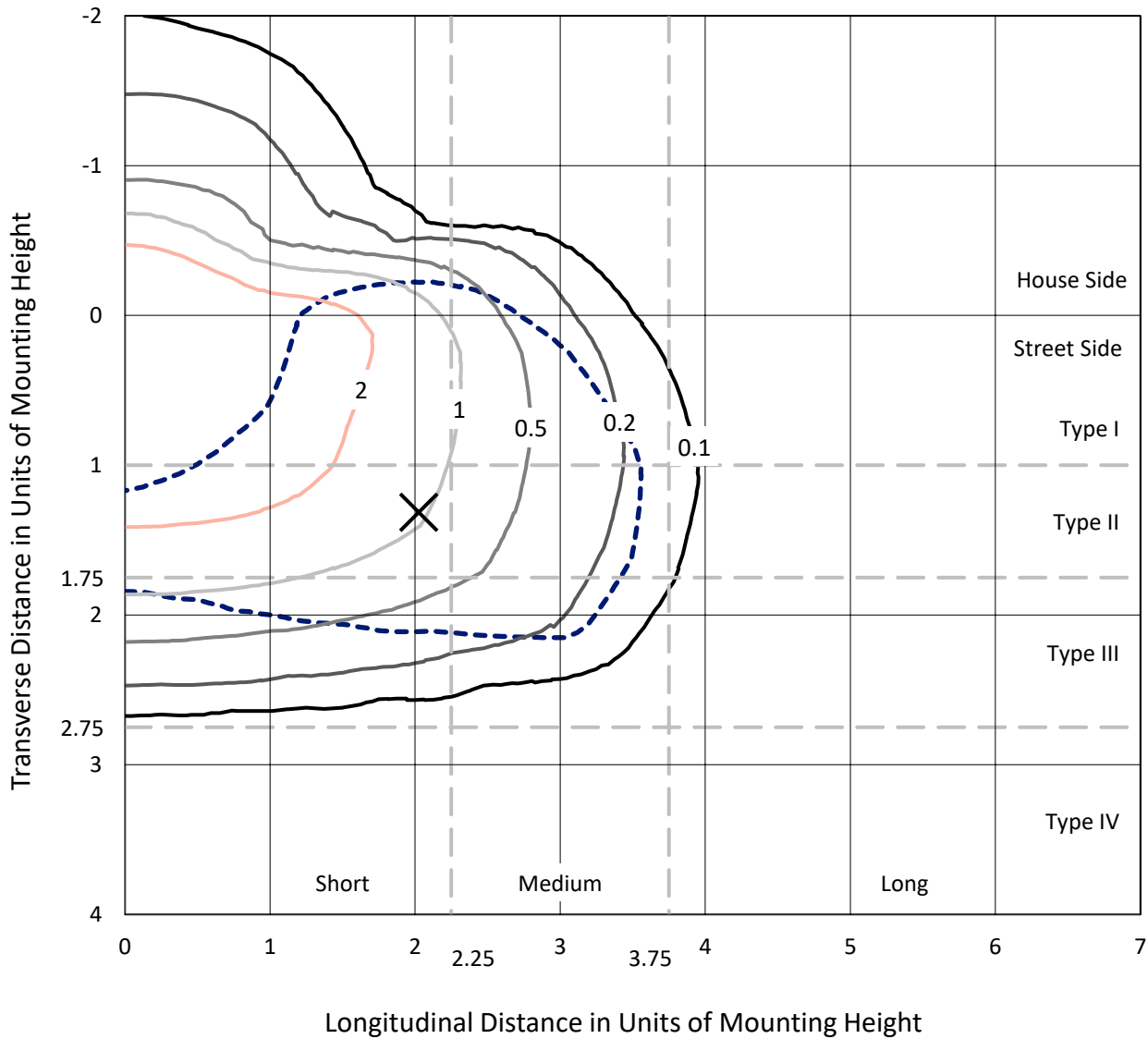
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

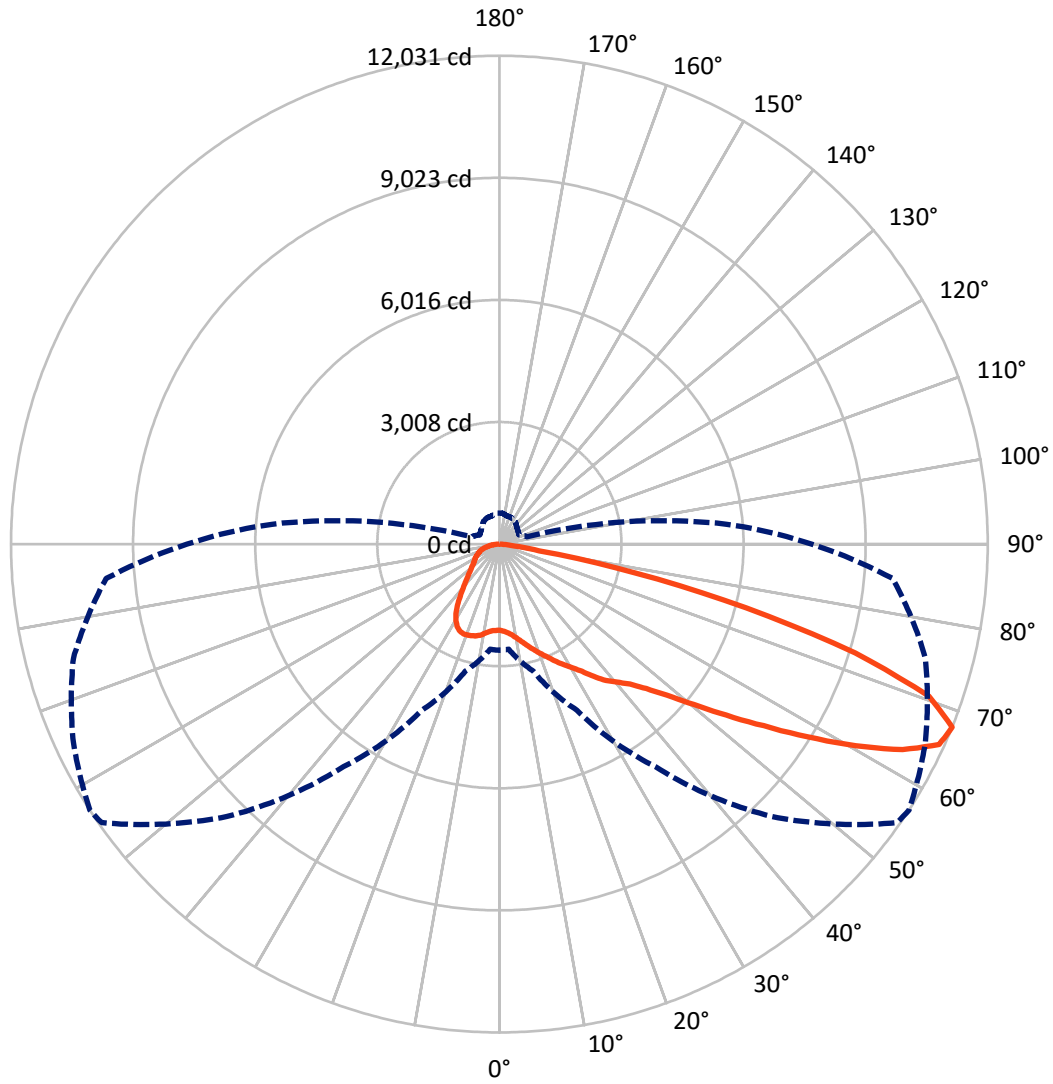
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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	3871.8	0.0	3871.8
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	13738.3	0.0	13738.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	17610.1	0.0	17610.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.4	1.2
10°-20°	696.7	4.0
20°-30°	1242.1	7.1
30°-40°	1805.8	10.3
40°-50°	2613.6	14.8
50°-60°	4090.2	23.2
60°-70°	4771.5	27.1
70°-80°	1991.8	11.3
80°-90°	188.0	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°	17610.1	100.0
0°-180°	17610.1	100.0

Coefficient of Utilization



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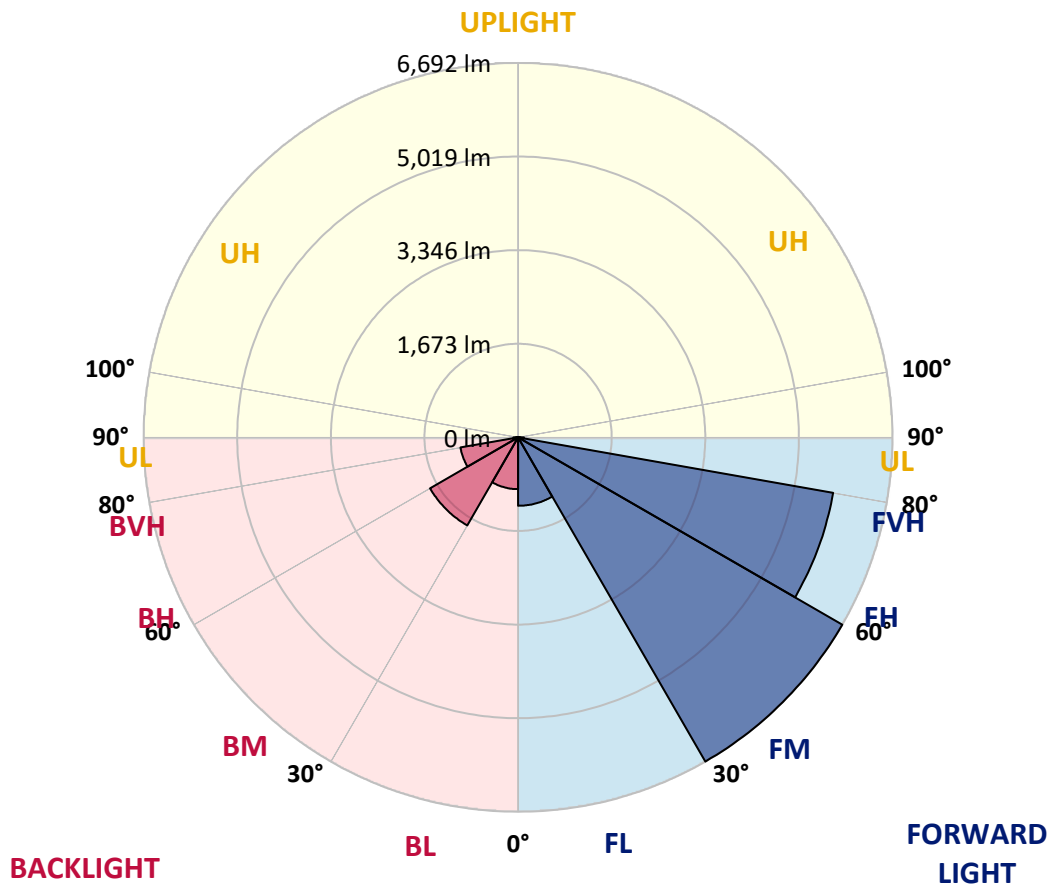
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1223.2	6.9			
FM (30°-60°)	6692.1	38.0			
FH (60°-80°)	5718.3	32.5			G3/7500
FVH (80°-90°)	104.7	0.6			G2/225
BL (0°-30°)	926.0	5.3	B2/1000		
BM (30°-60°)	1817.5	10.3	B2/2500		
BH (60°-80°)	1045.0	5.9	B3/2500		G3/2500
BVH (80°-90°)	83.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2121.9	2121.9	2121.9	2121.9	2121.9	2121.9	2121.9	2121.9	2121.9	2121.9	2121.9
2.5°	2152.2	2149.7	2148.4	2156.0	2153.4	2152.2	2152.2	2150.9	2148.4	2138.3	2124.4
5°	2211.5	2206.4	2201.4	2207.7	2202.6	2197.6	2196.3	2193.8	2185.0	2169.8	2148.4
7.5°	2273.3	2268.2	2269.5	2273.3	2269.5	2267.0	2263.2	2260.7	2246.8	2222.8	2193.8
10°	2360.3	2360.3	2362.8	2366.6	2367.9	2364.1	2356.5	2352.8	2336.4	2306.1	2265.7
12.5°	2486.5	2484.0	2484.0	2481.4	2485.2	2481.4	2473.9	2467.6	2447.4	2408.3	2350.2
15°	2653.0	2642.9	2634.1	2617.7	2612.6	2598.8	2601.3	2597.5	2578.6	2525.6	2452.4
17.5°	2830.9	2829.6	2815.7	2782.9	2750.1	2727.4	2732.5	2731.2	2721.1	2649.2	2555.9
20°	2987.3	2993.6	2981.0	2955.8	2911.6	2868.7	2866.2	2872.5	2859.9	2788.0	2658.0
22.5°	3162.7	3157.6	3145.0	3112.2	3079.4	3034.0	3018.8	3013.8	3008.8	2926.8	2762.8
25°	3329.2	3344.3	3327.9	3297.6	3247.2	3198.0	3185.4	3190.4	3176.5	3068.0	2875.0
27.5°	3539.9	3546.2	3536.1	3494.4	3451.6	3382.2	3358.2	3358.2	3353.2	3200.5	2963.3
30°	3764.4	3782.1	3764.4	3730.4	3686.2	3586.5	3534.8	3529.8	3514.6	3336.8	3066.8
32.5°	3990.2	4002.8	3990.2	3957.4	3907.0	3819.9	3745.5	3734.1	3714.0	3485.6	3172.8
35°	4190.8	4202.2	4199.6	4207.2	4165.6	4055.8	4010.4	4005.4	3952.4	3679.9	3316.6
37.5°	4410.3	4424.2	4405.3	4420.4	4404.0	4300.6	4286.7	4261.5	4185.8	3862.8	3468.0
40°	4660.1	4672.7	4642.4	4648.7	4629.8	4571.8	4501.1	4467.1	4354.8	4060.9	3706.4
42.5°	4927.5	4956.6	4970.4	4959.1	4914.9	4882.1	4758.5	4715.6	4622.3	4417.9	4098.7
45°	5314.8	5357.7	5377.9	5348.9	5330.0	5283.3	5131.9	5080.2	5031.0	4921.2	4646.2
47.5°	5732.4	5771.5	5835.8	5848.5	5863.6	5828.3	5615.1	5564.6	5573.4	5560.8	5319.9
50°	6065.4	6098.2	6243.3	6398.5	6527.2	6537.3	6264.8	6210.5	6258.5	6298.8	6131.0
52.5°	6307.7	6336.7	6528.4	6848.9	7140.3	7356.0	7062.1	7000.2	7039.3	7130.2	7053.2
55°	6504.5	6544.8	6745.4	7237.4	7826.5	8167.2	7979.2	7901.0	7884.6	7996.9	8041.0
57.5°	6607.9	6620.5	6901.8	7541.4	8329.9	8963.2	9045.2	8956.9	8800.4	8862.3	9091.9
60°	6372.0	6393.4	6778.2	7619.7	8727.3	9752.9	10164.2	10091.0	9758.0	9792.0	10045.6
62.5°	5719.8	5750.1	6213.0	7247.5	8760.1	10280.2	11197.4	11150.7	10704.1	10519.9	10595.6
65°	4588.2	4598.3	5077.7	6326.6	8107.9	10345.8	11917.7	11906.3	11365.1	10933.7	10609.5
67.5°	2616.4	2598.8	3239.6	4512.5	6691.2	9493.0	11964.4	12031.2	11579.6	10865.6	9726.4
70°	1134.1	1136.6	1431.8	2226.6	4330.8	7672.6	11112.8	11227.6	10958.9	9731.5	7738.2
72.5°	524.8	532.4	659.8	963.8	1849.4	4759.8	9061.6	9165.0	8934.2	7788.7	5630.2
75°	370.9	377.2	440.3	552.6	850.3	1854.5	6061.7	6278.6	6390.9	5825.8	3710.2
77.5°	281.3	290.2	321.7	383.5	524.8	657.3	2900.3	3417.5	4071.0	3624.4	1911.2
80°	179.1	179.1	213.2	256.1	320.4	341.9	837.7	992.8	1992.0	1493.7	750.6
82.5°	121.1	124.9	145.1	162.7	184.2	194.3	359.5	383.5	575.3	508.4	309.1
85°	64.3	66.9	75.7	74.4	88.3	77.0	151.4	150.1	210.7	230.9	117.3
87.5°	0.0	0.0	1.3	1.3	2.5	3.8	16.4	17.7	44.2	70.6	39.1
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°	2121.9	2121.9	2121.9	2121.9	2121.9	2121.9	2121.9	2121.9	2121.9	2121.9	2121.9
2.5°	2132.0	2116.9	2124.4	2121.9	2129.5	2129.5	2115.6	2111.8	2113.1	2097.9	2092.9
5°	2150.9	2133.3	2137.0	2132.0	2139.6	2145.9	2139.6	2139.6	2147.1	2135.8	2129.5
7.5°	2193.8	2173.6	2173.6	2167.3	2176.1	2181.2	2176.1	2183.7	2197.6	2186.2	2179.9
10°	2261.9	2238.0	2239.2	2231.7	2235.4	2232.9	2212.7	2206.4	2210.2	2200.1	2195.1
12.5°	2350.2	2317.4	2317.4	2302.3	2293.5	2267.0	2225.3	2210.2	2212.7	2203.9	2200.1
15°	2434.8	2404.5	2398.2	2367.9	2327.5	2278.3	2240.5	2230.4	2232.9	2224.1	2217.8
17.5°	2534.4	2495.3	2472.6	2417.1	2342.7	2292.2	2254.4	2230.4	2210.2	2190.0	2185.0
20°	2626.5	2577.3	2535.7	2449.9	2359.1	2289.7	2219.0	2159.7	2110.5	2084.1	2077.7
22.5°	2721.1	2658.0	2584.9	2472.6	2357.8	2244.3	2114.3	2024.8	1951.6	1912.5	1920.1
25°	2810.7	2731.2	2631.6	2494.0	2317.4	2143.3	1966.7	1833.0	1749.7	1719.5	1710.6
27.5°	2885.1	2786.7	2674.4	2484.0	2234.2	1998.3	1764.9	1616.0	1535.3	1501.2	1492.4
30°	2968.4	2857.4	2736.3	2437.3	2103.0	1795.2	1536.5	1415.4	1357.4	1324.6	1325.9
32.5°	3064.3	2948.2	2823.3	2347.7	1935.2	1575.7	1348.6	1265.3	1218.6	1185.8	1180.8
35°	3192.9	3078.1	2881.3	2212.7	1722.0	1373.8	1219.9	1151.8	1093.7	1050.9	1042.0
37.5°	3351.9	3273.7	2887.6	2032.3	1493.7	1235.0	1127.8	1054.6	984.0	927.2	920.9
40°	3624.4	3534.8	2835.9	1806.5	1299.4	1145.5	1050.9	966.3	884.3	821.3	812.4
42.5°	4012.9	3828.8	2724.9	1551.7	1153.0	1074.8	977.7	870.5	787.2	743.0	736.7
45°	4507.5	4156.7	2558.4	1312.0	1044.5	1005.4	900.7	788.5	744.3	712.8	706.5
47.5°	5113.0	4539.0	2366.6	1125.3	960.0	942.4	822.5	760.7	721.6	695.1	688.8
50°	5837.1	5025.9	2208.9	978.9	884.3	869.2	797.3	744.3	712.8	691.3	686.3
52.5°	6663.4	5567.1	2132.0	874.2	818.7	803.6	788.5	740.5	714.0	697.6	691.3
55°	7521.3	6137.4	2060.1	793.5	763.2	772.1	789.7	753.1	733.0	711.5	705.2
57.5°	8350.1	6672.2	1883.5	730.4	722.9	756.9	796.0	765.8	741.8	720.3	712.8
60°	8921.6	6964.9	1584.5	680.0	692.6	738.0	779.6	746.8	716.6	707.7	703.9
62.5°	9075.5	6929.6	1230.0	628.2	656.0	696.4	736.7	715.3	683.8	697.6	698.9
65°	8715.9	6551.1	923.4	577.8	608.1	642.1	692.6	683.8	672.4	710.2	711.5
67.5°	7697.9	5621.4	703.9	533.6	558.9	600.5	678.7	715.3	717.8	765.8	760.7
70°	5824.5	4199.6	551.3	492.0	521.0	600.5	722.9	739.3	709.0	753.1	743.0
72.5°	4026.8	2771.6	469.3	455.4	474.3	572.7	721.6	721.6	688.8	688.8	669.9
75°	2501.6	1629.9	408.7	408.7	408.7	500.8	701.4	664.8	606.8	580.3	565.2
77.5°	1235.0	792.2	343.1	355.8	341.9	418.8	572.7	543.7	508.4	480.6	470.6
80°	527.3	396.1	277.5	291.4	275.0	315.4	454.2	447.8	413.8	377.2	365.8
82.5°	242.2	204.4	222.0	228.3	200.6	237.2	331.8	331.8	312.9	262.4	243.5
85°	103.4	108.5	153.9	153.9	126.2	133.7	177.9	169.0	151.4	123.6	113.5
87.5°	35.3	53.0	78.2	68.1	26.5	11.4	6.3	2.5	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)