

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: P634820

Luminaire Tested: GWS-SA3C-740-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634820
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-740-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13474.1 lumens
Efficiency: N/A
Efficacy: 144.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

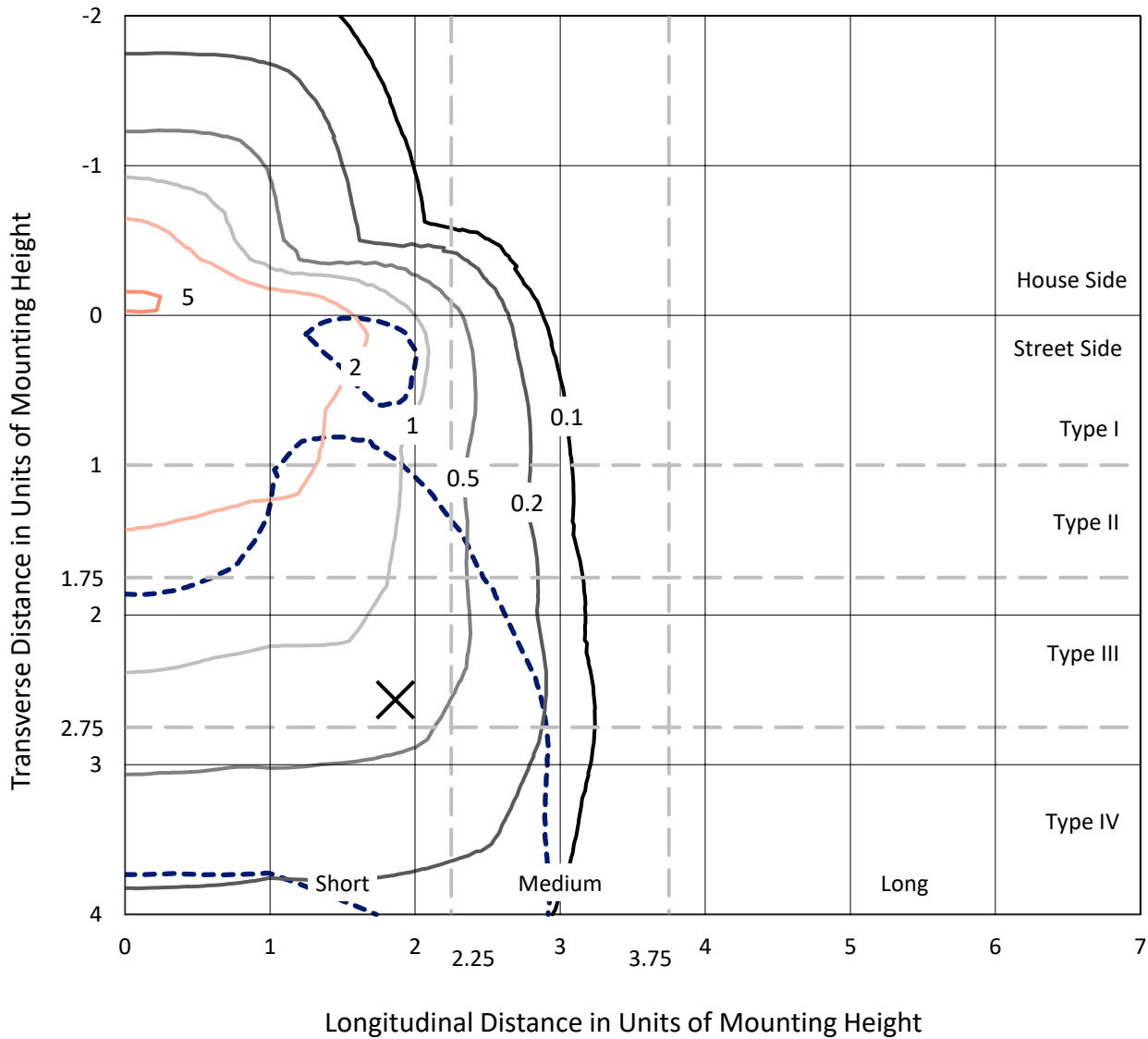
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

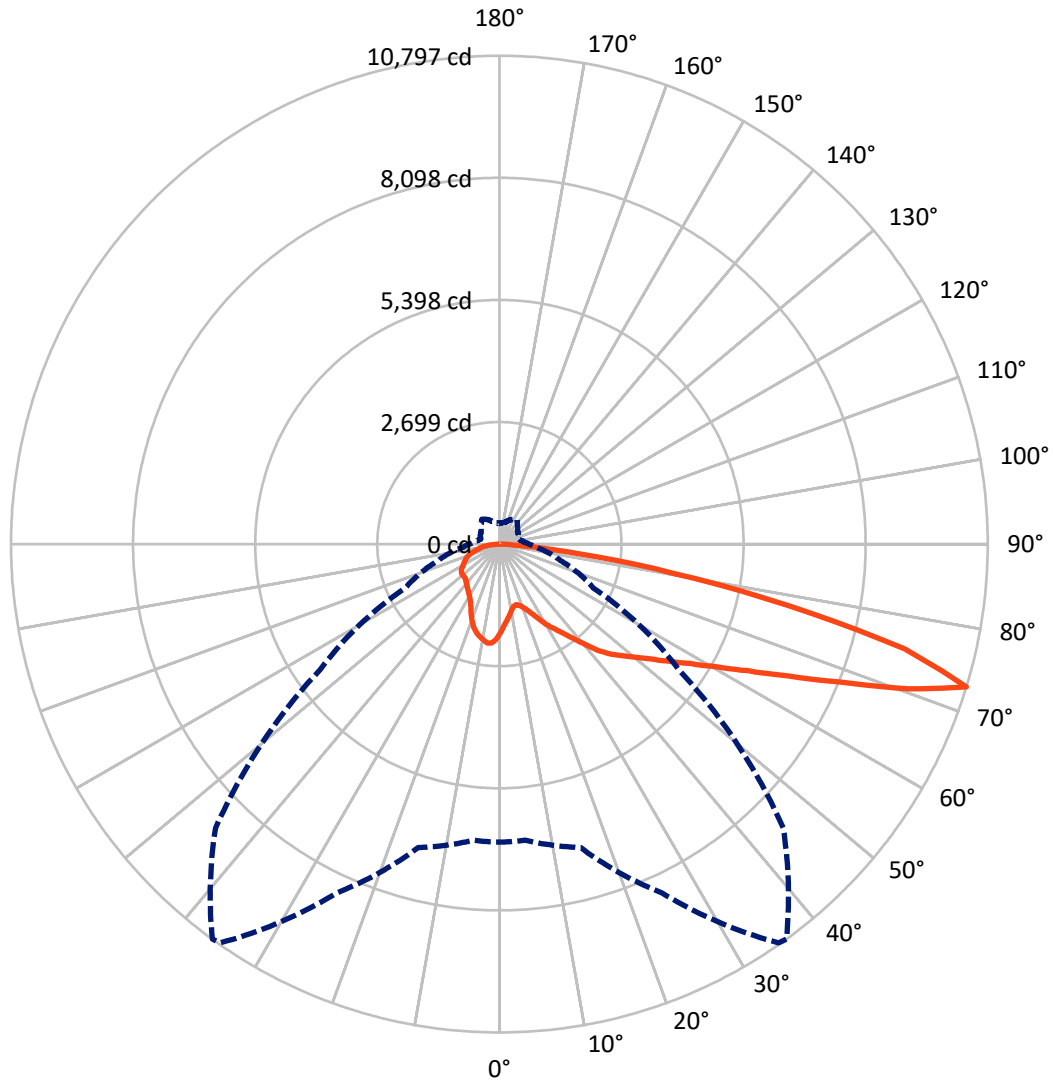
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3106.4	0.0	3106.4
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	10367.7	0.0	10367.7
	% Fixture	76.9	0.0	76.9
Total	Lumens	13474.1	0.0	13474.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.3	1.4
10°-20°	520.1	3.9
20°-30°	861.3	6.4
30°-40°	1289.9	9.6
40°-50°	1881.8	14.0
50°-60°	2678.3	19.9
60°-70°	3383.9	25.1
70°-80°	2411.3	17.9
80°-90°	263.2	2.0
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°	13474.1	100.0
0°-180°	13474.1	100.0

Coefficient of Utilization



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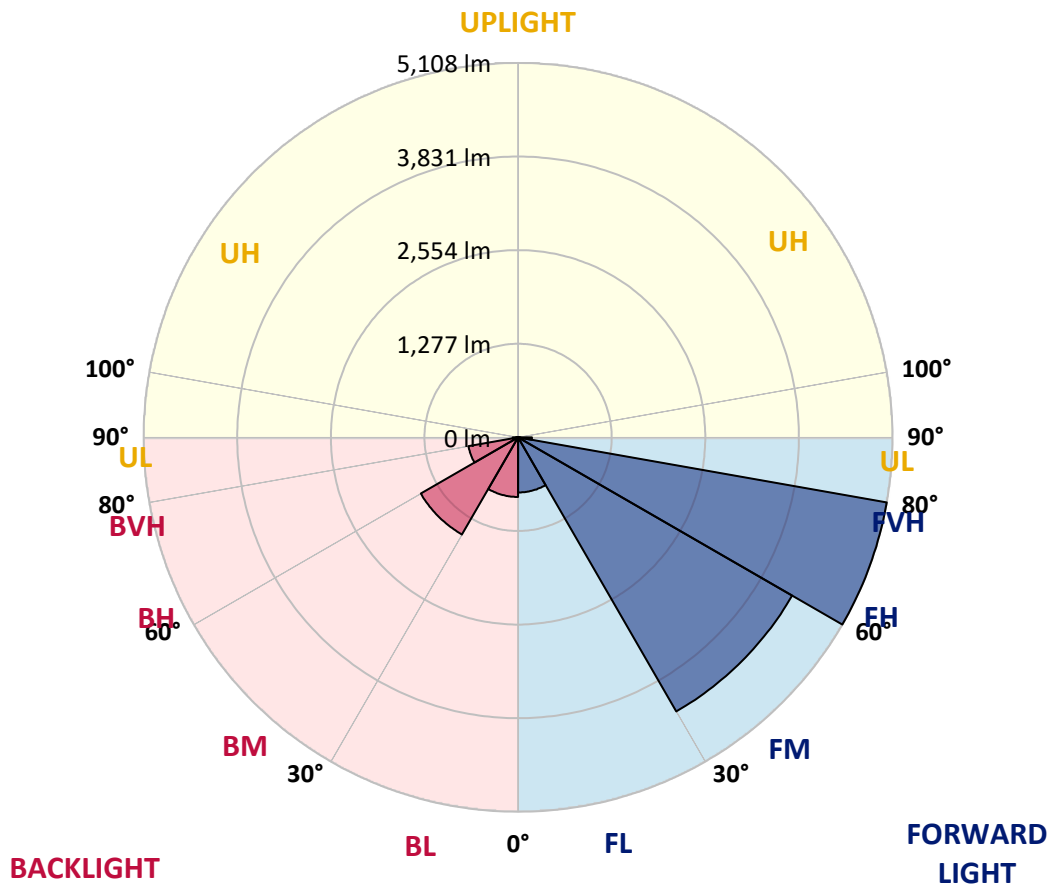
CATALOG NUMBER: GWS-SA3C-740-U-T4FT-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	752.2	5.6			
FM (30°-60°)	4318.1	32.0			
FH (60°-80°)	5108.4	37.9			G3/7500
FVH (80°-90°)	188.9	1.4			G2/225
BL (0°-30°)	813.5	6.0	B2/1000		
BM (30°-60°)	1531.9	11.4	B2/2500		
BH (60°-80°)	686.7	5.1	B2/1000		G2/1000
BVH (80°-90°)	74.3	0.6			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	1972.0	1972.0	1972.0	1972.0	1972.0	1972.0	1972.0	1972.0	1972.0	1972.0	1972.0
2.5°	1799.0	1796.0	1790.0	1808.0	1826.0	1824.0	1849.0	1873.0	1899.0	1926.0	1962.0
5°	1655.0	1653.0	1648.0	1675.0	1702.0	1701.0	1742.0	1781.0	1834.0	1892.0	1964.0
7.5°	1511.0	1506.0	1513.0	1547.0	1585.0	1589.0	1645.0	1709.0	1786.0	1873.0	1975.0
10°	1384.0	1383.0	1386.0	1424.0	1481.0	1485.0	1557.0	1646.0	1748.0	1864.0	2000.0
12.5°	1351.0	1349.0	1341.0	1360.0	1403.0	1409.0	1488.0	1597.0	1722.0	1869.0	2034.0
15°	1405.0	1400.0	1372.0	1363.0	1384.0	1389.0	1456.0	1568.0	1707.0	1878.0	2077.0
17.5°	1498.0	1495.0	1442.0	1405.0	1419.0	1423.0	1473.0	1563.0	1703.0	1896.0	2130.0
20°	1634.0	1621.0	1538.0	1482.0	1482.0	1488.0	1518.0	1585.0	1708.0	1918.0	2190.0
22.5°	1814.0	1788.0	1671.0	1595.0	1575.0	1583.0	1596.0	1640.0	1729.0	1955.0	2265.0
25°	2016.0	1992.0	1853.0	1746.0	1718.0	1721.0	1710.0	1718.0	1775.0	2006.0	2358.0
27.5°	2231.0	2215.0	2067.0	1931.0	1887.0	1887.0	1848.0	1829.0	1839.0	2064.0	2462.0
30°	2423.0	2401.0	2276.0	2127.0	2069.0	2069.0	1995.0	1954.0	1930.0	2135.0	2601.0
32.5°	2524.0	2511.0	2428.0	2314.0	2243.0	2232.0	2168.0	2120.0	2064.0	2240.0	2789.0
35°	2656.0	2653.0	2603.0	2514.0	2424.0	2408.0	2364.0	2326.0	2229.0	2371.0	3039.0
37.5°	2822.0	2817.0	2809.0	2756.0	2648.0	2645.0	2606.0	2560.0	2434.0	2560.0	3342.0
40°	3008.0	2999.0	2989.0	2988.0	2923.0	2912.0	2909.0	2857.0	2681.0	2788.0	3658.0
42.5°	3264.0	3233.0	3139.0	3181.0	3229.0	3219.0	3257.0	3179.0	2989.0	3059.0	3957.0
45°	3579.0	3503.0	3317.0	3329.0	3450.0	3470.0	3602.0	3583.0	3328.0	3372.0	4272.0
47.5°	3768.0	3702.0	3529.0	3519.0	3670.0	3695.0	3982.0	4018.0	3693.0	3749.0	4661.0
50°	3923.0	3877.0	3735.0	3749.0	3909.0	3934.0	4359.0	4436.0	4037.0	4135.0	5112.9
52.5°	4110.0	4044.0	3934.0	4000.0	4196.0	4226.0	4778.0	4861.0	4347.0	4559.0	5580.9
55°	4215.0	4188.0	4190.0	4291.0	4537.0	4578.0	5216.9	5202.9	4631.0	4922.0	5932.9
57.5°	4457.0	4447.0	4539.0	4577.0	4935.0	4988.0	5655.9	5535.9	4889.0	5202.9	6101.9
60°	4884.0	4859.0	4939.0	4996.9	5426.9	5501.9	6145.9	5861.9	5063.9	5411.9	6044.9
62.5°	5483.9	5452.9	5455.9	5547.9	6085.9	6164.9	6690.9	6133.9	5117.9	5443.9	5683.9
65°	6229.9	6184.9	6133.9	6258.9	6960.9	7026.9	7283.9	6331.9	4989.0	5135.9	4930.0
67.5°	7016.9	6979.9	6919.9	7181.9	8093.9	8133.9	7948.9	6314.9	4580.0	4312.0	3458.0
70°	7062.9	7071.9	7355.9	8303.9	9572.9	9582.9	8577.9	5972.9	3709.0	2795.0	1723.0
72.5°	6588.9	6573.9	6943.9	8508.9	10762.9	10796.9	8874.9	4839.0	2292.0	1394.0	808.0
75°	5351.9	5377.9	5766.9	7444.9	9224.9	9254.9	7234.9	2853.0	1089.0	682.0	517.0
77.5°	2304.0	2449.0	3216.0	5244.9	6606.9	6513.9	3729.0	1156.0	581.0	486.0	396.0
80°	665.0	722.0	1146.0	2494.0	3959.0	3889.0	1476.0	433.0	405.0	365.0	284.0
82.5°	215.0	238.0	420.0	993.0	1774.0	1772.0	560.0	256.0	265.0	248.0	183.0
85°	60.0	69.0	129.0	301.0	549.0	538.0	162.0	121.0	141.0	143.0	91.0
87.5°	0.0	0.0	1.0	2.0	2.0	2.0	4.0	18.0	41.0	52.0	37.0
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°	1972.0	1972.0	1972.0	1972.0	1972.0	1972.0	1972.0	1972.0	1972.0	1972.0	1972.0
2.5°	1984.0	1981.0	2022.0	2054.0	2084.0	2104.0	2110.0	2114.0	2122.0	2126.0	2122.0
5°	1998.0	2013.0	2081.0	2131.0	2171.0	2195.0	2196.0	2194.0	2200.0	2195.0	2192.0
7.5°	2028.0	2057.0	2143.0	2196.0	2222.0	2223.0	2199.0	2171.0	2157.0	2145.0	2141.0
10°	2068.0	2111.0	2205.0	2240.0	2232.0	2195.0	2142.0	2098.0	2073.0	2055.0	2051.0
12.5°	2123.0	2171.0	2260.0	2259.0	2209.0	2143.0	2081.0	2028.0	1992.0	1971.0	1964.0
15°	2175.0	2236.0	2300.0	2253.0	2174.0	2094.0	2014.0	1943.0	1895.0	1862.0	1856.0
17.5°	2239.0	2304.0	2329.0	2234.0	2130.0	2027.0	1920.0	1827.0	1762.0	1723.0	1720.0
20°	2313.0	2371.0	2343.0	2201.0	2073.0	1938.0	1793.0	1689.0	1619.0	1581.0	1584.0
22.5°	2399.0	2441.0	2347.0	2156.0	1994.0	1812.0	1650.0	1550.0	1503.0	1483.0	1484.0
25°	2491.0	2518.0	2340.0	2095.0	1873.0	1658.0	1503.0	1457.0	1453.0	1448.0	1450.0
27.5°	2600.0	2594.0	2319.0	2009.0	1710.0	1479.0	1400.0	1412.0	1428.0	1426.0	1428.0
30°	2746.0	2689.0	2292.0	1890.0	1516.0	1329.0	1339.0	1373.0	1394.0	1396.0	1402.0
32.5°	2913.0	2794.0	2249.0	1728.0	1331.0	1245.0	1282.0	1323.0	1348.0	1353.0	1361.0
35°	3112.0	2914.0	2173.0	1526.0	1198.0	1195.0	1229.0	1257.0	1284.0	1286.0	1286.0
37.5°	3341.0	3034.0	2052.0	1303.0	1116.0	1152.0	1184.0	1190.0	1197.0	1191.0	1194.0
40°	3551.0	3150.0	1880.0	1100.0	1049.0	1114.0	1141.0	1121.0	1099.0	1084.0	1087.0
42.5°	3727.0	3229.0	1652.0	958.0	981.0	1080.0	1101.0	1060.0	1017.0	989.0	993.0
45°	3925.0	3302.0	1384.0	862.0	923.0	1056.0	1070.0	1017.0	962.0	920.0	914.0
47.5°	4198.0	3451.0	1146.0	795.0	882.0	1043.0	1066.0	994.0	922.0	859.0	852.0
50°	4535.0	3662.0	947.0	751.0	863.0	1036.0	1065.0	969.0	883.0	809.0	804.0
52.5°	4903.0	3868.0	800.0	717.0	844.0	1015.0	1060.0	941.0	842.0	762.0	756.0
55°	5147.9	3949.0	701.0	685.0	813.0	982.0	1040.0	914.0	780.0	707.0	698.0
57.5°	5219.9	3845.0	632.0	656.0	773.0	936.0	1002.0	857.0	742.0	684.0	677.0
60°	5095.9	3583.0	589.0	632.0	729.0	877.0	936.0	824.0	712.0	660.0	655.0
62.5°	4746.0	3179.0	556.0	607.0	684.0	815.0	894.0	784.0	679.0	638.0	631.0
65°	4042.0	2607.0	529.0	581.0	641.0	756.0	848.0	744.0	643.0	612.0	604.0
67.5°	2827.0	1831.0	500.0	550.0	598.0	699.0	800.0	707.0	606.0	583.0	575.0
70°	1382.0	971.0	465.0	514.0	552.0	641.0	752.0	662.0	557.0	544.0	533.0
72.5°	658.0	543.0	424.0	465.0	489.0	564.0	672.0	597.0	499.0	471.0	452.0
75°	441.0	386.0	370.0	407.0	413.0	473.0	576.0	515.0	440.0	408.0	392.0
77.5°	334.0	295.0	311.0	344.0	332.0	389.0	474.0	459.0	397.0	368.0	360.0
80°	235.0	215.0	247.0	267.0	258.0	331.0	427.0	393.0	327.0	295.0	289.0
82.5°	148.0	144.0	182.0	185.0	188.0	262.0	351.0	309.0	254.0	209.0	194.0
85°	74.0	82.0	109.0	109.0	108.0	135.0	200.0	174.0	137.0	109.0	106.0
87.5°	25.0	35.0	47.0	38.0	29.0	23.0	26.0	32.0	34.0	33.0	33.0
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)