

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: P634814

Luminaire Tested: GWS-SA3C-740-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634814
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-SA3C-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: 13959 lumens
Efficiency: N/A
Efficacy: 150.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

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

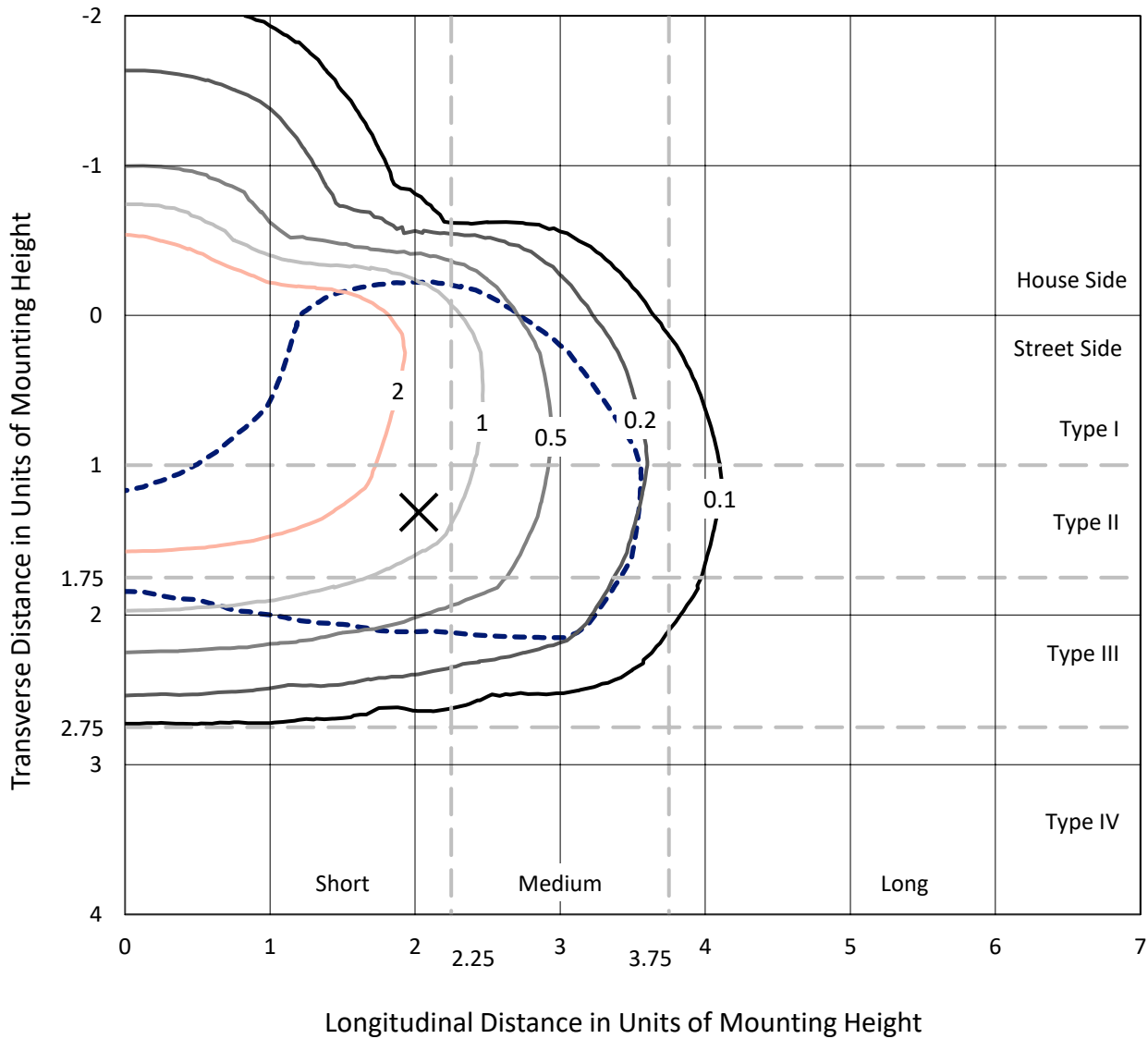


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Iso-Footcandle Lines of Horizontal Illumination

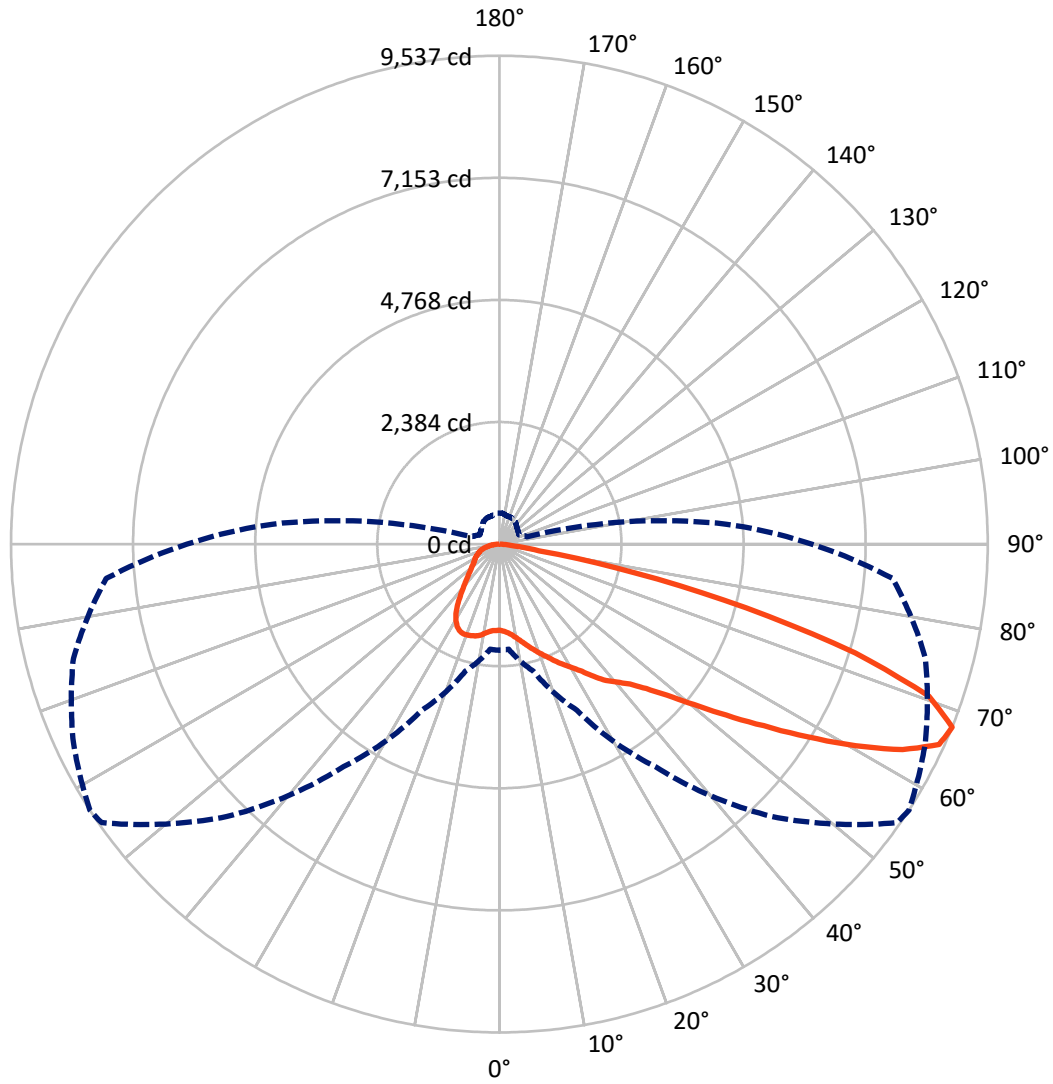
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.9 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	3069.1	0.0	3069.1
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	10889.9	0.0	10889.9
	% Fixture	78.0	0.0	78.0
Total	Lumens	13959.0	0.0	13959.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.8	1.2
10°-20°	552.3	4.0
20°-30°	984.6	7.1
30°-40°	1431.4	10.3
40°-50°	2071.7	14.8
50°-60°	3242.2	23.2
60°-70°	3782.2	27.1
70°-80°	1578.9	11.3
80°-90°	149.0	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°	13959.0	100.0
0°-180°	13959.0	100.0

Coefficient of Utilization



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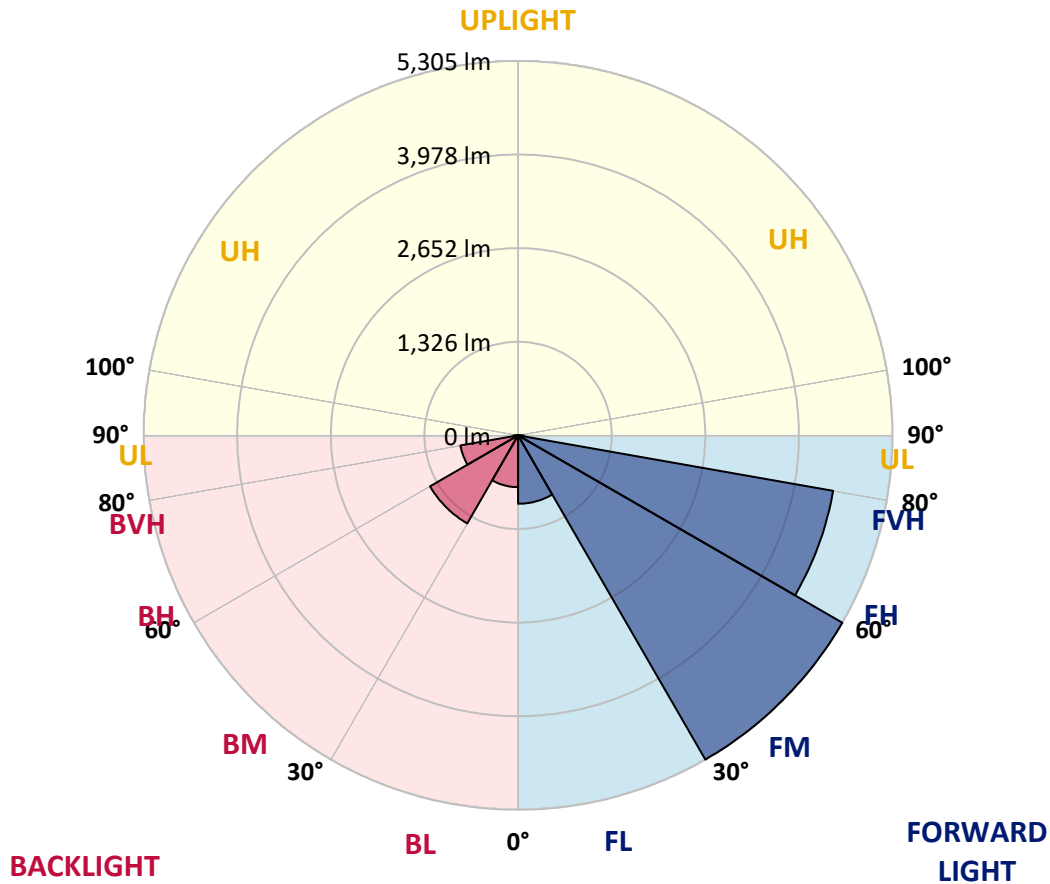
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	969.6	6.9			
FM (30°-60°)	5304.6	38.0			
FH (60°-80°)	4532.7	32.5			G2/5000
FVH (80°-90°)	83.0	0.6			G1/100
BL (0°-30°)	734.0	5.3	B2/1000		
BM (30°-60°)	1440.7	10.3	B2/2500		
BH (60°-80°)	828.4	5.9	B2/1000		G2/1000
BVH (80°-90°)	66.0	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0
2.5°	1706.0	1704.0	1703.0	1709.0	1707.0	1706.0	1706.0	1705.0	1703.0	1695.0	1684.0
5°	1753.0	1749.0	1745.0	1750.0	1746.0	1742.0	1741.0	1739.0	1732.0	1720.0	1703.0
7.5°	1802.0	1798.0	1799.0	1802.0	1799.0	1797.0	1794.0	1792.0	1781.0	1762.0	1739.0
10°	1871.0	1871.0	1873.0	1876.0	1877.0	1874.0	1868.0	1865.0	1852.0	1828.0	1796.0
12.5°	1971.0	1969.0	1969.0	1967.0	1970.0	1967.0	1961.0	1956.0	1940.0	1909.0	1863.0
15°	2103.0	2095.0	2088.0	2075.0	2071.0	2060.0	2062.0	2059.0	2044.0	2002.0	1944.0
17.5°	2244.0	2243.0	2232.0	2206.0	2180.0	2162.0	2166.0	2165.0	2157.0	2100.0	2026.0
20°	2367.9	2372.9	2363.0	2343.0	2308.0	2274.0	2272.0	2277.0	2267.0	2210.0	2107.0
22.5°	2506.9	2502.9	2492.9	2466.9	2440.9	2404.9	2392.9	2388.9	2384.9	2320.0	2190.0
25°	2638.9	2650.9	2637.9	2613.9	2573.9	2534.9	2524.9	2528.9	2517.9	2431.9	2279.0
27.5°	2805.9	2810.9	2802.9	2769.9	2735.9	2680.9	2661.9	2661.9	2657.9	2536.9	2349.0
30°	2983.9	2997.9	2983.9	2956.9	2921.9	2842.9	2801.9	2797.9	2785.9	2644.9	2430.9
32.5°	3162.9	3172.9	3162.9	3136.9	3096.9	3027.9	2968.9	2959.9	2943.9	2762.9	2514.9
35°	3321.9	3330.9	3328.9	3334.9	3301.9	3214.9	3178.9	3174.9	3132.9	2916.9	2628.9
37.5°	3495.9	3506.9	3491.9	3503.9	3490.9	3408.9	3397.9	3377.9	3317.9	3061.9	2748.9
40°	3693.9	3703.9	3679.9	3684.9	3669.9	3623.9	3567.9	3540.9	3451.9	3218.9	2937.9
42.5°	3905.9	3928.9	3939.9	3930.9	3895.9	3869.9	3771.9	3737.9	3663.9	3501.9	3248.9
45°	4212.9	4246.9	4262.9	4239.9	4224.9	4187.9	4067.9	4026.9	3987.9	3900.9	3682.9
47.5°	4543.9	4574.9	4625.9	4635.9	4647.9	4619.9	4450.9	4410.9	4417.9	4407.9	4216.9
50°	4807.9	4833.9	4948.9	5071.9	5173.9	5181.9	4965.9	4922.9	4960.9	4992.9	4859.9
52.5°	4999.9	5022.9	5174.9	5428.9	5659.9	5830.9	5597.9	5548.9	5579.9	5651.9	5590.9
55°	5155.9	5187.9	5346.9	5736.9	6203.9	6473.9	6324.9	6262.9	6249.9	6338.9	6373.9
57.5°	5237.9	5247.9	5470.9	5977.9	6602.9	7104.8	7169.8	7099.8	6975.9	7024.9	7206.8
60°	5050.9	5067.9	5372.9	6039.9	6917.9	7730.8	8056.8	7998.8	7734.8	7761.8	7962.8
62.5°	4533.9	4557.9	4924.9	5744.9	6943.9	8148.8	8875.8	8838.8	8484.8	8338.8	8398.8
65°	3636.9	3644.9	4024.9	5014.9	6426.9	8200.8	9446.8	9437.8	9008.8	8666.8	8409.8
67.5°	2074.0	2060.0	2567.9	3576.9	5303.9	7524.8	9483.8	9536.8	9178.8	8612.8	7709.8
70°	899.0	901.0	1135.0	1765.0	3432.9	6081.9	8808.8	8899.8	8686.8	7713.8	6133.9
72.5°	416.0	422.0	523.0	764.0	1466.0	3772.9	7182.8	7264.8	7081.9	6173.9	4462.9
75°	294.0	299.0	349.0	438.0	674.0	1470.0	4804.9	4976.9	5065.9	4617.9	2940.9
77.5°	223.0	230.0	255.0	304.0	416.0	521.0	2299.0	2708.9	3226.9	2872.9	1515.0
80°	142.0	142.0	169.0	203.0	254.0	271.0	664.0	787.0	1579.0	1184.0	595.0
82.5°	96.0	99.0	115.0	129.0	146.0	154.0	285.0	304.0	456.0	403.0	245.0
85°	51.0	53.0	60.0	59.0	70.0	61.0	120.0	119.0	167.0	183.0	93.0
87.5°	0.0	0.0	1.0	1.0	2.0	3.0	13.0	14.0	35.0	56.0	31.0
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°	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0
2.5°	1690.0	1678.0	1684.0	1682.0	1688.0	1688.0	1677.0	1674.0	1675.0	1663.0	1659.0
5°	1705.0	1691.0	1694.0	1690.0	1696.0	1701.0	1696.0	1696.0	1702.0	1693.0	1688.0
7.5°	1739.0	1723.0	1723.0	1718.0	1725.0	1729.0	1725.0	1731.0	1742.0	1733.0	1728.0
10°	1793.0	1774.0	1775.0	1769.0	1772.0	1770.0	1754.0	1749.0	1752.0	1744.0	1740.0
12.5°	1863.0	1837.0	1837.0	1825.0	1818.0	1797.0	1764.0	1752.0	1754.0	1747.0	1744.0
15°	1930.0	1906.0	1901.0	1877.0	1845.0	1806.0	1776.0	1768.0	1770.0	1763.0	1758.0
17.5°	2009.0	1978.0	1960.0	1916.0	1857.0	1817.0	1787.0	1768.0	1752.0	1736.0	1732.0
20°	2082.0	2043.0	2010.0	1942.0	1870.0	1815.0	1759.0	1712.0	1673.0	1652.0	1647.0
22.5°	2157.0	2107.0	2049.0	1960.0	1869.0	1779.0	1676.0	1605.0	1547.0	1516.0	1522.0
25°	2228.0	2165.0	2086.0	1977.0	1837.0	1699.0	1559.0	1453.0	1387.0	1363.0	1356.0
27.5°	2287.0	2209.0	2120.0	1969.0	1771.0	1584.0	1399.0	1281.0	1217.0	1190.0	1183.0
30°	2353.0	2265.0	2169.0	1932.0	1667.0	1423.0	1218.0	1122.0	1076.0	1050.0	1051.0
32.5°	2428.9	2337.0	2238.0	1861.0	1534.0	1249.0	1069.0	1003.0	966.0	940.0	936.0
35°	2530.9	2439.9	2284.0	1754.0	1365.0	1089.0	967.0	913.0	867.0	833.0	826.0
37.5°	2656.9	2594.9	2289.0	1611.0	1184.0	979.0	894.0	836.0	780.0	735.0	730.0
40°	2872.9	2801.9	2248.0	1432.0	1030.0	908.0	833.0	766.0	701.0	651.0	644.0
42.5°	3180.9	3034.9	2160.0	1230.0	914.0	852.0	775.0	690.0	624.0	589.0	584.0
45°	3572.9	3294.9	2028.0	1040.0	828.0	797.0	714.0	625.0	590.0	565.0	560.0
47.5°	4052.9	3597.9	1876.0	892.0	761.0	747.0	652.0	603.0	572.0	551.0	546.0
50°	4626.9	3983.9	1751.0	776.0	701.0	689.0	632.0	590.0	565.0	548.0	544.0
52.5°	5281.9	4412.9	1690.0	693.0	649.0	637.0	625.0	587.0	566.0	553.0	548.0
55°	5961.9	4864.9	1633.0	629.0	605.0	612.0	626.0	597.0	581.0	564.0	559.0
57.5°	6618.9	5288.9	1493.0	579.0	573.0	600.0	631.0	607.0	588.0	571.0	565.0
60°	7071.9	5520.9	1256.0	539.0	549.0	585.0	618.0	592.0	568.0	561.0	558.0
62.5°	7193.8	5492.9	975.0	498.0	520.0	552.0	584.0	567.0	542.0	553.0	554.0
65°	6908.9	5192.9	732.0	458.0	482.0	509.0	549.0	542.0	533.0	563.0	564.0
67.5°	6101.9	4455.9	558.0	423.0	443.0	476.0	538.0	567.0	569.0	607.0	603.0
70°	4616.9	3328.9	437.0	390.0	413.0	476.0	573.0	586.0	562.0	597.0	589.0
72.5°	3191.9	2197.0	372.0	361.0	376.0	454.0	572.0	572.0	546.0	546.0	531.0
75°	1983.0	1292.0	324.0	324.0	324.0	397.0	556.0	527.0	481.0	460.0	448.0
77.5°	979.0	628.0	272.0	282.0	271.0	332.0	454.0	431.0	403.0	381.0	373.0
80°	418.0	314.0	220.0	231.0	218.0	250.0	360.0	355.0	328.0	299.0	290.0
82.5°	192.0	162.0	176.0	181.0	159.0	188.0	263.0	263.0	248.0	208.0	193.0
85°	82.0	86.0	122.0	122.0	100.0	106.0	141.0	134.0	120.0	98.0	90.0
87.5°	28.0	42.0	62.0	54.0	21.0	9.0	5.0	2.0	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)