

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: P634783

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-740-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14360 lumens
Efficiency: N/A
Efficacy: 154.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

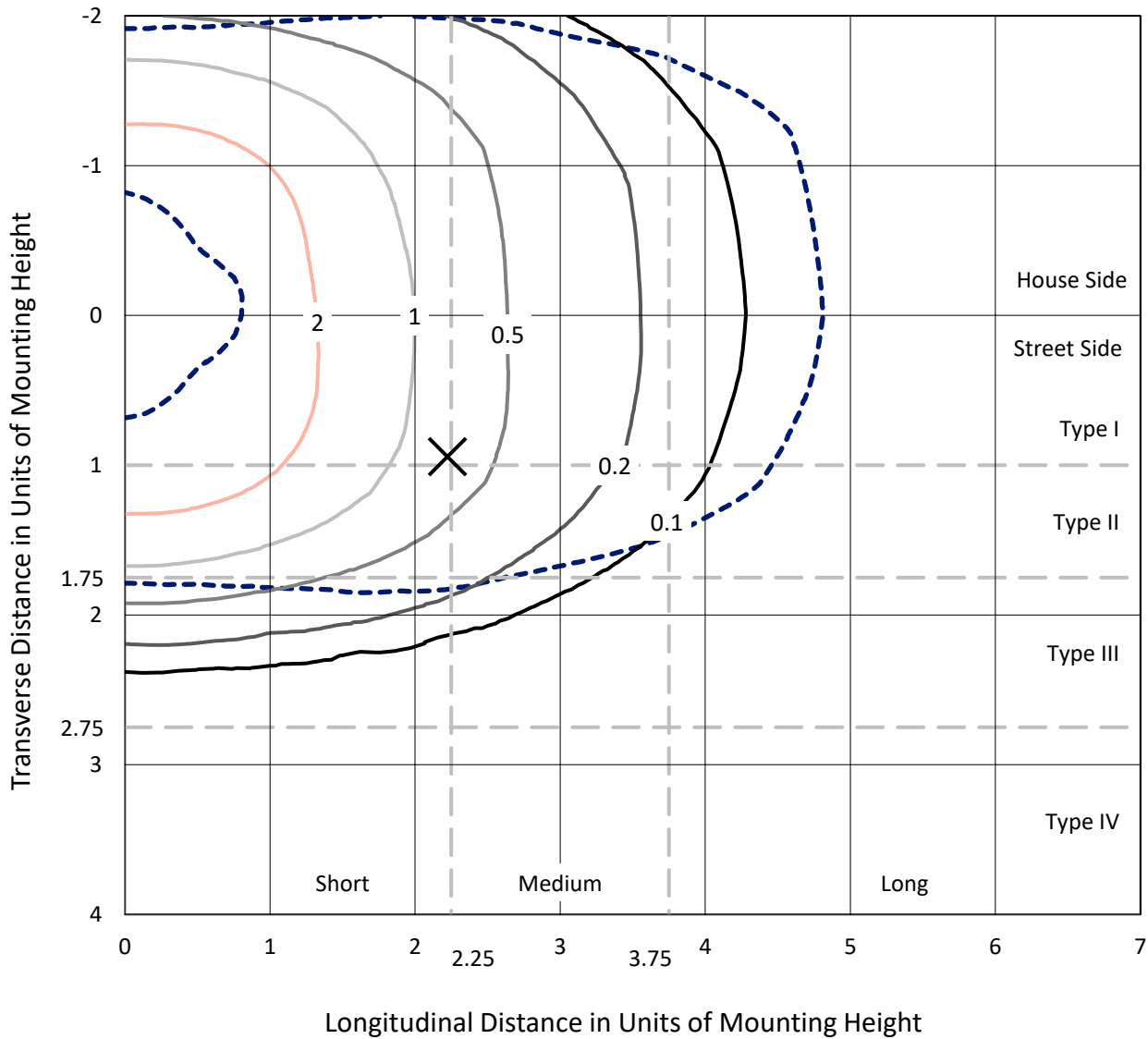
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

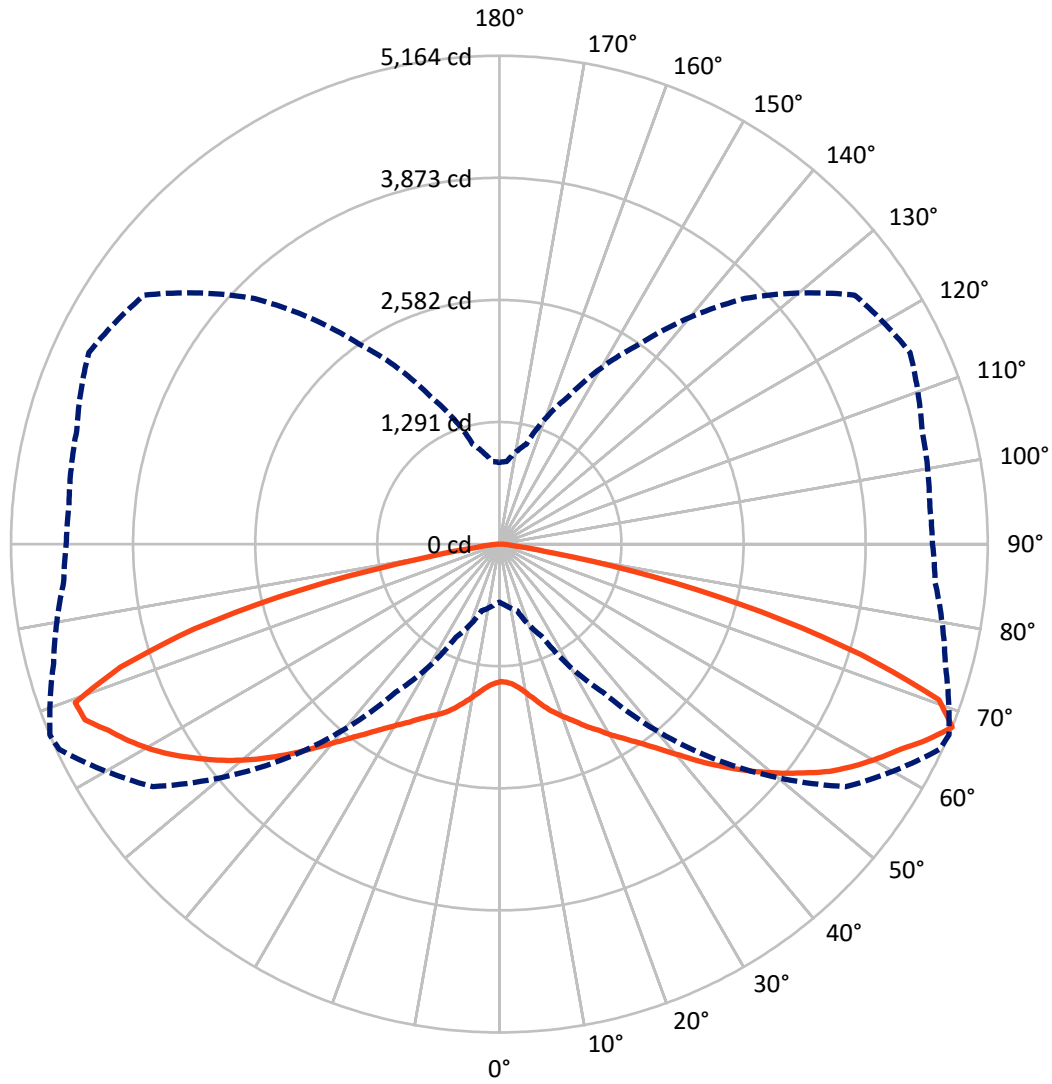
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7100.8	0.0	7100.8
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	7259.2	0.0	7259.2
	% Fixture	50.6	0.0	50.6
Total	Lumens	14360.0	0.0	14360.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.7	1.0
10°-20°	481.9	3.4
20°-30°	945.6	6.6
30°-40°	1611.0	11.2
40°-50°	2586.9	18.0
50°-60°	3515.1	24.5
60°-70°	3362.4	23.4
70°-80°	1598.6	11.1
80°-90°	115.8	0.8
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°	14360.0	100.0
0°-180°	14360.0	100.0

Coefficient of Utilization



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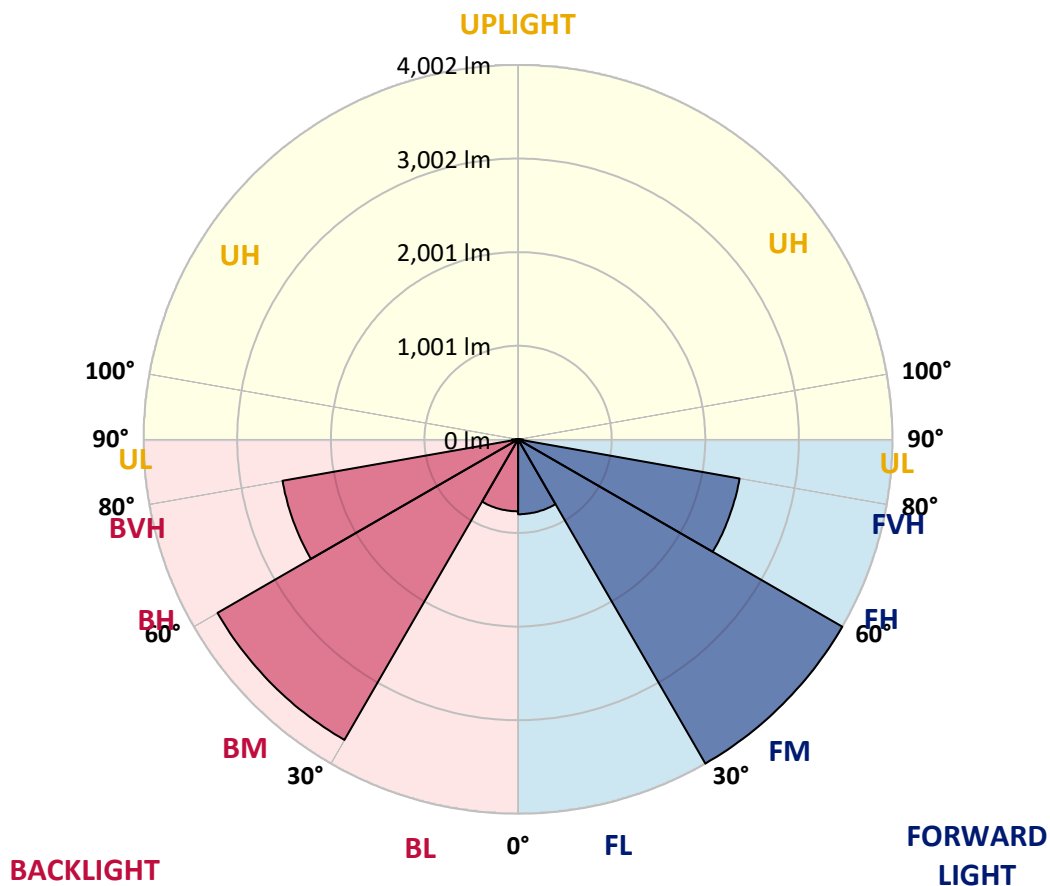
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	800.7	5.6			
FM (30°-60°)	4002.3	27.9			
FH (60°-80°)	2404.2	16.7			G2/5000
FVH (80°-90°)	52.1	0.4			G1/100
BL (0°-30°)	769.5	5.4	B2/1000		
BM (30°-60°)	3710.7	25.8	B3/5000		
BH (60°-80°)	2556.8	17.8	B4/5000		G4/5000
BVH (80°-90°)	63.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1454.0	1454.0	1454.0	1454.0	1454.0	1454.0	1454.0	1454.0	1454.0	1454.0	1454.0
2.5°	1424.0	1426.0	1429.0	1435.0	1441.0	1450.0	1459.0	1458.0	1462.0	1465.0	1468.0
5°	1416.0	1418.0	1423.0	1431.0	1440.0	1455.0	1474.0	1482.0	1488.0	1499.0	1509.0
7.5°	1433.0	1437.0	1444.0	1455.0	1469.0	1488.0	1514.0	1528.0	1537.0	1557.0	1574.0
10°	1456.0	1461.0	1475.0	1496.0	1517.0	1546.0	1579.0	1600.0	1606.0	1632.0	1664.0
12.5°	1478.0	1484.0	1507.0	1545.0	1583.0	1622.0	1661.0	1687.0	1689.0	1724.0	1760.0
15°	1513.0	1518.0	1549.0	1598.0	1656.0	1710.0	1758.0	1776.0	1784.0	1809.0	1854.0
17.5°	1590.0	1596.0	1636.0	1689.0	1750.0	1807.0	1855.0	1870.0	1870.0	1891.0	1928.0
20°	1673.0	1679.0	1732.0	1800.0	1874.0	1932.0	1969.0	1955.0	1950.0	1956.0	1982.0
22.5°	1766.0	1777.0	1828.0	1907.0	1998.0	2069.0	2088.0	2046.0	2032.0	2018.0	2024.0
25°	1885.0	1898.0	1948.0	2032.0	2121.0	2196.0	2207.0	2142.0	2134.0	2085.0	2067.0
27.5°	2022.0	2032.0	2094.0	2177.0	2260.0	2323.0	2335.0	2255.0	2228.0	2160.0	2118.0
30°	2199.0	2208.0	2262.0	2344.0	2416.0	2460.1	2475.1	2365.0	2344.0	2240.0	2175.0
32.5°	2392.0	2396.0	2451.1	2530.1	2594.1	2636.1	2615.1	2487.1	2456.1	2339.0	2250.0
35°	2613.1	2613.1	2684.1	2748.1	2799.1	2811.1	2771.1	2625.1	2589.1	2462.1	2351.0
37.5°	2830.1	2836.1	2902.1	2978.1	3023.1	3021.1	2948.1	2788.1	2747.1	2609.1	2486.1
40°	3065.1	3078.1	3144.1	3229.1	3272.1	3266.1	3154.1	2976.1	2934.1	2771.1	2651.1
42.5°	3281.1	3302.1	3379.1	3466.1	3513.1	3509.1	3392.1	3192.1	3151.1	2967.1	2847.1
45°	3453.1	3475.1	3571.1	3692.1	3767.1	3760.1	3642.1	3416.1	3366.1	3173.1	3041.1
47.5°	3604.1	3627.1	3734.1	3862.1	3981.1	3993.1	3885.1	3642.1	3589.1	3394.1	3245.1
50°	3720.1	3731.1	3851.1	3991.1	4129.1	4196.1	4102.1	3869.1	3805.1	3612.1	3444.1
52.5°	3711.1	3726.1	3874.1	4064.1	4249.1	4359.1	4294.1	4083.1	4021.1	3811.1	3647.1
55°	3528.1	3543.1	3719.1	3996.1	4316.1	4478.1	4471.1	4287.1	4242.1	4014.1	3858.1
57.5°	3261.1	3294.1	3469.1	3768.1	4228.1	4573.1	4601.1	4473.1	4426.1	4213.1	4067.1
60°	2783.1	2827.1	3029.1	3417.1	3946.1	4541.1	4740.1	4630.1	4601.1	4398.1	4256.1
62.5°	2022.0	2054.0	2323.0	2832.1	3528.1	4313.1	4857.1	4792.1	4770.1	4564.1	4427.1
65°	1211.0	1284.0	1500.0	2003.0	2846.1	3883.1	4793.1	5004.1	4981.1	4735.1	4573.1
67.5°	613.0	646.0	731.0	1086.0	1914.0	3213.1	4472.1	5136.1	5164.1	4881.1	4625.1
70°	380.0	389.0	413.0	536.0	956.0	2111.0	3657.1	4792.1	4929.1	4858.1	4490.1
72.5°	305.0	307.0	311.0	334.0	459.0	987.0	2312.0	3753.1	4000.1	4537.1	4297.1
75°	253.0	254.0	255.0	262.0	286.0	403.0	1125.0	2579.1	2868.1	3856.1	3984.1
77.5°	203.0	198.0	202.0	205.0	211.0	225.0	388.0	1376.0	1669.0	2531.1	3081.1
80°	132.0	130.0	138.0	141.0	147.0	156.0	207.0	467.0	567.0	921.0	980.0
82.5°	71.0	67.0	84.0	81.0	84.0	91.0	122.0	171.0	192.0	278.0	235.0
85°	22.0	22.0	23.0	27.0	33.0	32.0	53.0	84.0	93.0	119.0	88.0
87.5°	4.0	4.0	4.0	4.0	4.0	5.0	11.0	17.0	23.0	41.0	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°	1454.0	1454.0	1454.0	1454.0	1454.0	1454.0	1454.0	1454.0	1454.0	1454.0	1454.0
2.5°	1474.0	1465.0	1470.0	1473.0	1472.0	1470.0	1460.0	1458.0	1453.0	1445.0	1443.0
5°	1518.0	1508.0	1509.0	1506.0	1496.0	1483.0	1461.0	1450.0	1441.0	1431.0	1430.0
7.5°	1587.0	1576.0	1573.0	1559.0	1531.0	1501.0	1466.0	1446.0	1431.0	1418.0	1416.0
10°	1675.0	1664.0	1654.0	1621.0	1575.0	1535.0	1489.0	1460.0	1438.0	1422.0	1419.0
12.5°	1773.0	1764.0	1739.0	1691.0	1636.0	1589.0	1542.0	1506.0	1474.0	1450.0	1447.0
15°	1882.0	1862.0	1824.0	1762.0	1710.0	1672.0	1615.0	1566.0	1515.0	1483.0	1476.0
17.5°	1958.0	1941.0	1896.0	1836.0	1795.0	1762.0	1695.0	1625.0	1556.0	1509.0	1499.0
20°	2012.0	1994.0	1943.0	1899.0	1886.0	1858.0	1780.0	1699.0	1619.0	1561.0	1548.0
22.5°	2051.0	2032.0	1980.0	1958.0	1976.0	1971.0	1895.0	1803.0	1708.0	1639.0	1623.0
25°	2088.0	2070.0	2024.0	2032.0	2080.0	2095.0	2013.0	1906.0	1798.0	1717.0	1698.0
27.5°	2123.0	2100.0	2079.0	2123.0	2191.0	2219.0	2132.0	2011.0	1894.0	1811.0	1796.0
30°	2177.0	2150.0	2147.0	2211.0	2319.0	2343.0	2247.0	2126.0	2010.0	1926.0	1907.0
32.5°	2245.0	2220.0	2222.0	2318.0	2443.1	2463.1	2381.0	2268.0	2152.0	2068.0	2042.0
35°	2337.0	2306.0	2323.0	2441.1	2567.1	2604.1	2538.1	2444.1	2331.0	2245.0	2216.0
37.5°	2464.1	2419.0	2454.1	2578.1	2705.1	2760.1	2709.1	2639.1	2527.1	2440.1	2413.0
40°	2626.1	2589.1	2603.1	2740.1	2871.1	2937.1	2905.1	2836.1	2725.1	2634.1	2603.1
42.5°	2818.1	2781.1	2776.1	2922.1	3053.1	3153.1	3122.1	3059.1	2944.1	2840.1	2810.1
45°	3006.1	2972.1	2979.1	3128.1	3275.1	3384.1	3353.1	3279.1	3154.1	3034.1	3010.1
47.5°	3202.1	3174.1	3180.1	3338.1	3500.1	3609.1	3570.1	3480.1	3334.1	3206.1	3177.1
50°	3403.1	3371.1	3380.1	3546.1	3721.1	3824.1	3764.1	3631.1	3470.1	3345.1	3320.1
52.5°	3603.1	3565.1	3588.1	3745.1	3926.1	4008.1	3897.1	3736.1	3580.1	3456.1	3428.1
55°	3833.1	3793.1	3768.1	3936.1	4115.1	4149.1	3997.1	3809.1	3624.1	3483.1	3466.1
57.5°	4043.1	4009.1	3962.1	4130.1	4262.1	4237.1	4074.1	3789.1	3517.1	3336.1	3312.1
60°	4231.1	4202.1	4161.1	4304.1	4364.1	4308.1	4012.1	3552.1	3253.1	3064.1	3053.1
62.5°	4404.1	4373.1	4335.1	4457.1	4449.1	4319.1	3730.1	3188.1	2788.1	2585.1	2567.1
65°	4541.1	4513.1	4502.1	4598.1	4585.1	4104.1	3291.1	2592.1	2037.0	1808.0	1801.0
67.5°	4580.1	4569.1	4628.1	4791.1	4588.1	3672.1	2581.1	1719.0	1094.0	877.0	864.0
70°	4434.1	4433.1	4602.1	4835.1	4172.1	2805.1	1523.0	775.0	550.0	488.0	480.0
72.5°	4244.1	4241.1	4375.1	4171.1	3094.1	1535.0	641.0	415.0	344.0	327.0	327.0
75°	3932.1	3924.1	4025.1	3173.1	1740.0	578.0	340.0	285.0	270.0	267.0	267.0
77.5°	3205.1	3138.1	2979.1	1961.0	607.0	284.0	225.0	224.0	215.0	214.0	214.0
80°	1054.0	1054.0	1225.0	748.0	268.0	175.0	159.0	167.0	158.0	152.0	151.0
82.5°	172.0	237.0	337.0	214.0	145.0	109.0	98.0	104.0	109.0	87.0	87.0
85°	68.0	89.0	130.0	100.0	67.0	44.0	47.0	52.0	46.0	40.0	39.0
87.5°	26.0	32.0	46.0	24.0	14.0	8.0	5.0	5.0	4.0	4.0	4.0
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)