

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: P634838

Luminaire Tested: GWS-SA3C-750-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634838
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-750-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14689.1 lumens
Efficiency: N/A
Efficacy: 157.9 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

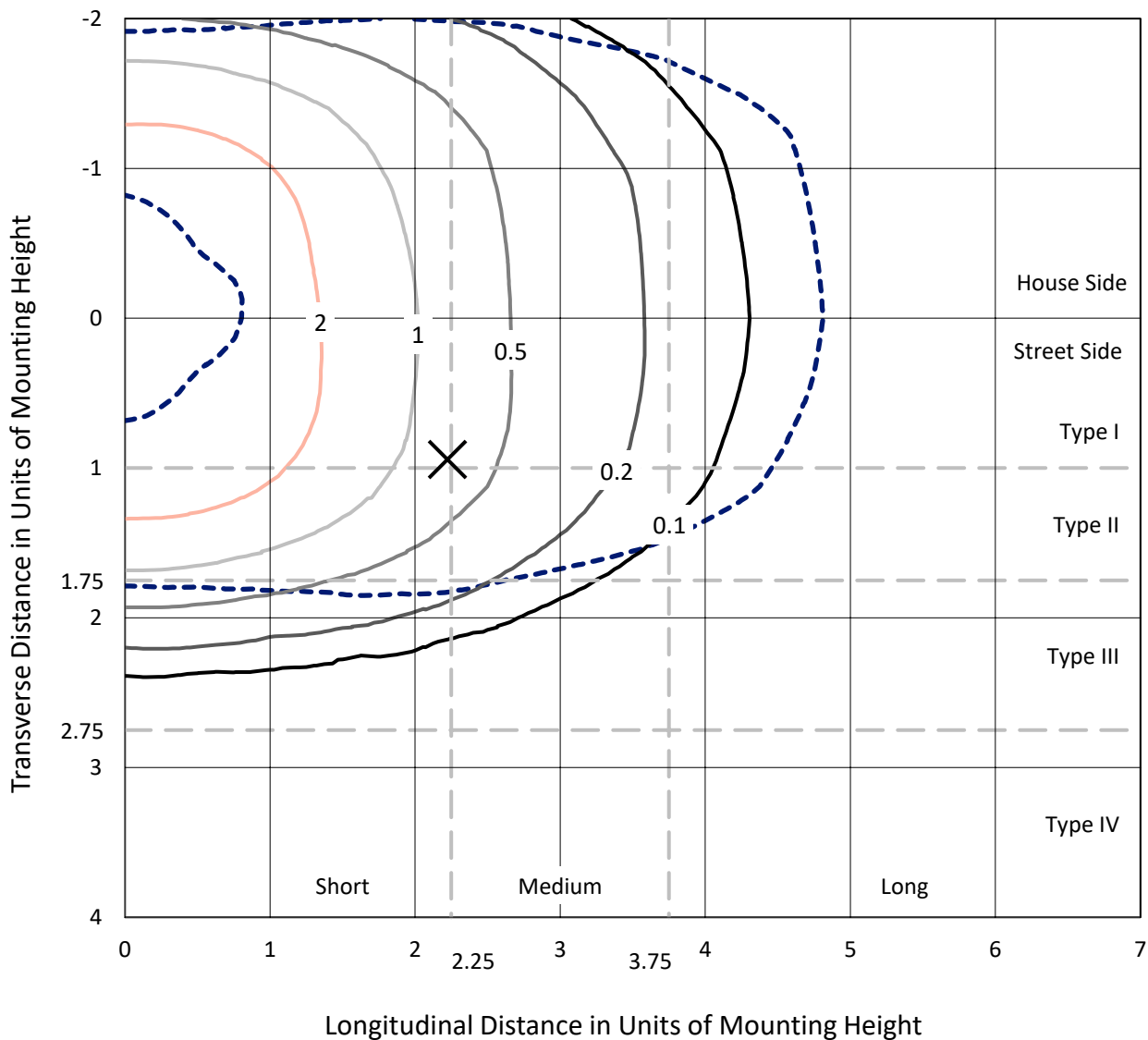


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Iso-Footcandle Lines of Horizontal Illumination

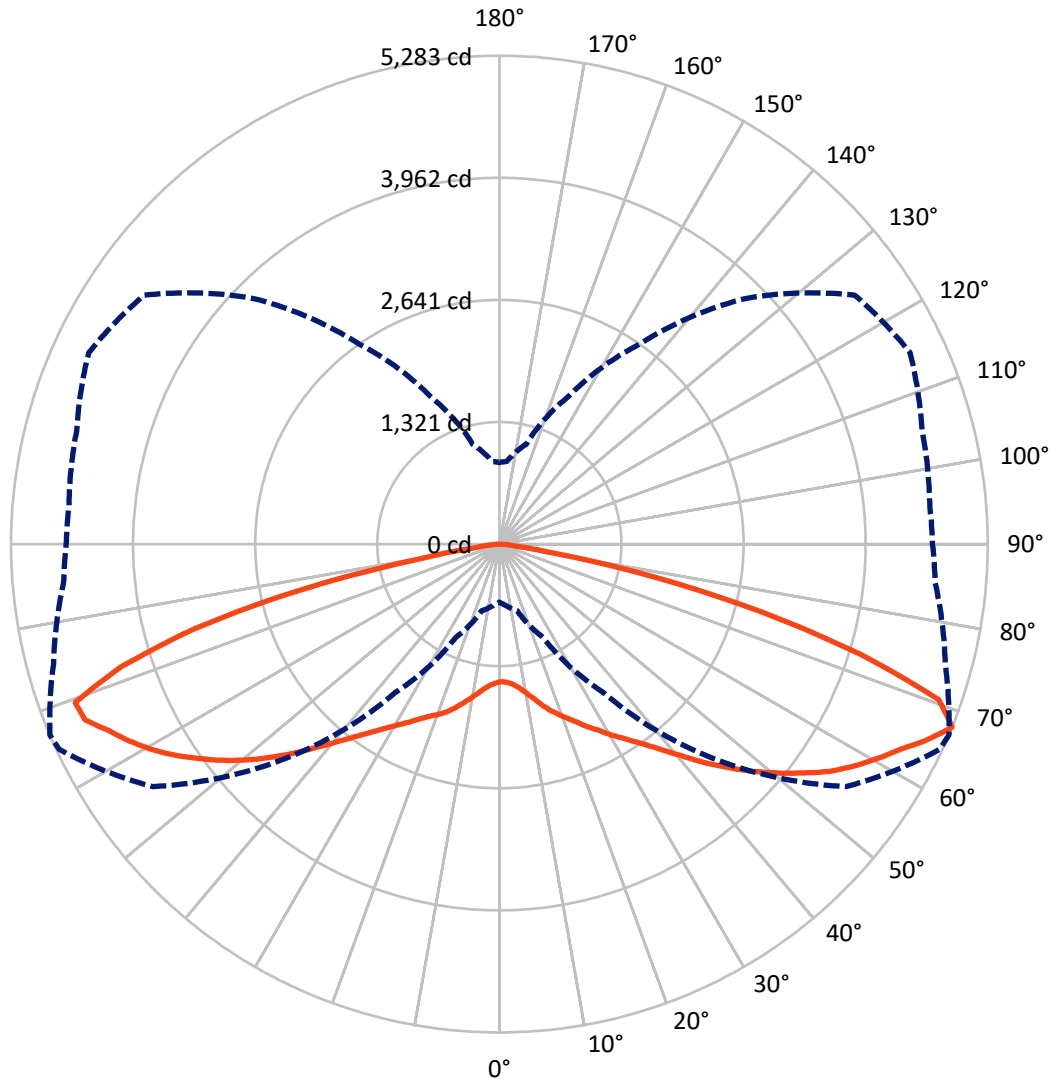
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.3 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	7263.5	0.0	7263.5
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	7425.6	0.0	7425.6
	% Fixture	50.6	0.0	50.6
Total	Lumens	14689.1	0.0	14689.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.9	1.0
10°-20°	493.0	3.4
20°-30°	967.3	6.6
30°-40°	1647.9	11.2
40°-50°	2646.2	18.0
50°-60°	3595.6	24.5
60°-70°	3439.5	23.4
70°-80°	1635.2	11.1
80°-90°	118.5	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°	14689.1	100.0
0°-180°	14689.1	100.0

Coefficient of Utilization



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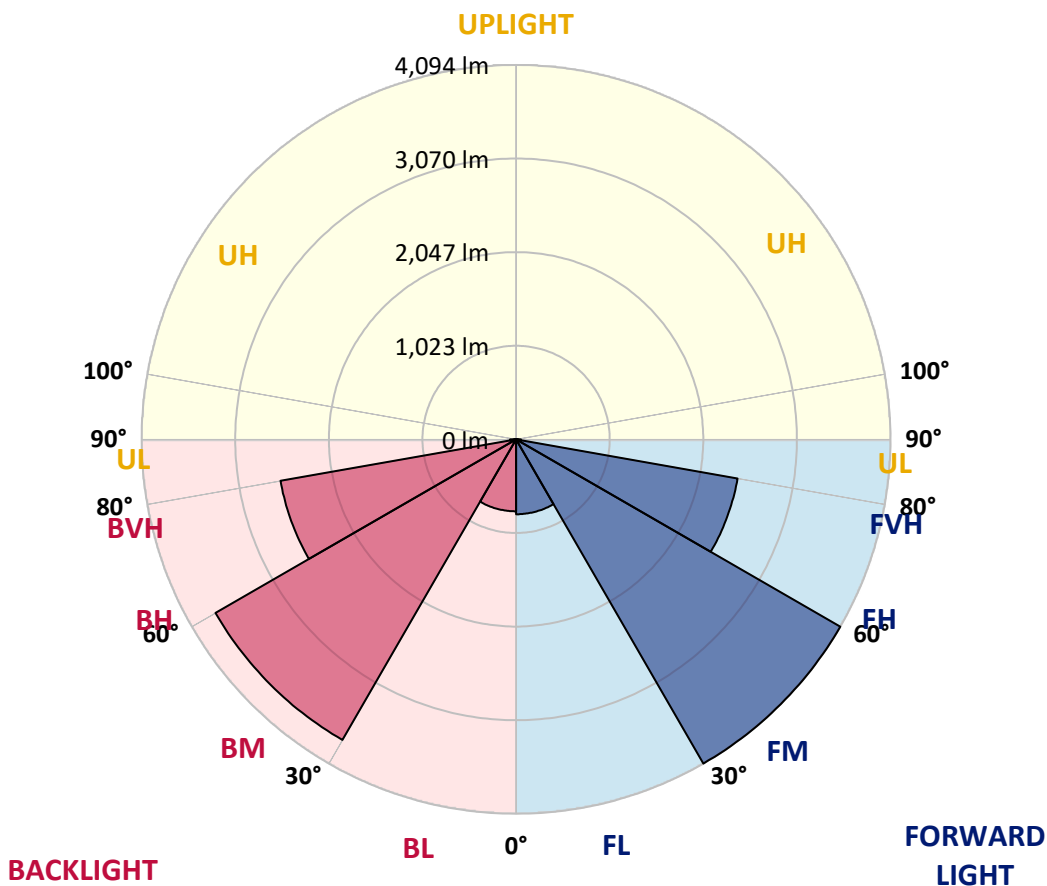
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	819.0	5.6			
FM (30°-60°)	4094.0	27.9			
FH (60°-80°)	2459.3	16.7			G2/5000
FVH (80°-90°)	53.3	0.4			G1/100
BL (0°-30°)	787.2	5.4	B2/1000		
BM (30°-60°)	3795.7	25.8	B3/5000		
BH (60°-80°)	2615.4	17.8	B4/5000		G4/5000
BVH (80°-90°)	65.2	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°	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4
2.5°	1456.7	1458.7	1461.8	1467.9	1474.1	1483.3	1492.5	1491.4	1495.5	1498.6	1501.7
5°	1448.5	1450.5	1455.6	1463.8	1473.0	1488.4	1507.8	1516.0	1522.1	1533.4	1543.6
7.5°	1465.9	1470.0	1477.1	1488.4	1502.7	1522.1	1548.7	1563.1	1572.3	1592.7	1610.1
10°	1489.4	1494.5	1508.8	1530.3	1551.8	1581.5	1615.2	1636.7	1642.8	1669.4	1702.2
12.5°	1511.9	1518.0	1541.6	1580.4	1619.3	1659.2	1699.1	1725.7	1727.7	1763.5	1800.4
15°	1547.7	1552.8	1584.5	1634.7	1694.0	1749.2	1798.3	1816.7	1824.9	1850.5	1896.5
17.5°	1626.5	1632.6	1673.5	1727.7	1790.1	1848.5	1897.6	1912.9	1912.9	1934.4	1972.2
20°	1711.4	1717.5	1771.7	1841.3	1917.0	1976.3	2014.2	1999.8	1994.7	2000.9	2027.5
22.5°	1806.5	1817.8	1869.9	1950.7	2043.8	2116.5	2135.9	2092.9	2078.6	2064.3	2070.4
25°	1928.2	1941.5	1992.7	2078.6	2169.7	2246.4	2257.6	2191.1	2183.0	2132.8	2114.4
27.5°	2068.4	2078.6	2142.0	2226.9	2311.8	2376.3	2388.6	2306.7	2279.1	2209.5	2166.6
30°	2249.4	2258.6	2313.9	2397.8	2471.4	2516.4	2531.8	2419.3	2397.8	2291.4	2224.9
32.5°	2446.9	2451.0	2507.2	2588.0	2653.5	2696.5	2675.0	2544.0	2512.3	2392.7	2301.6
35°	2672.9	2672.9	2745.6	2811.0	2863.2	2875.5	2834.6	2685.2	2648.4	2518.5	2404.9
37.5°	2894.9	2901.1	2968.6	3046.3	3092.3	3090.3	3015.6	2852.0	2810.0	2668.8	2543.0
40°	3135.3	3148.6	3216.1	3303.1	3347.1	3340.9	3226.3	3044.3	3001.3	2834.6	2711.8
42.5°	3356.3	3377.7	3456.5	3545.5	3593.6	3589.5	3469.8	3265.2	3223.3	3035.1	2912.3
45°	3532.2	3554.7	3652.9	3776.7	3853.4	3846.3	3725.5	3494.4	3443.2	3245.8	3110.8
47.5°	3686.7	3710.2	3819.7	3950.6	4072.3	4084.6	3974.1	3725.5	3671.3	3471.9	3319.4
50°	3805.3	3816.6	3939.3	4082.5	4223.7	4292.3	4196.1	3957.8	3892.3	3694.9	3523.0
52.5°	3796.1	3811.5	3962.9	4157.2	4346.5	4459.0	4392.5	4176.7	4113.2	3898.4	3730.7
55°	3608.9	3624.3	3804.3	4087.7	4415.0	4580.7	4573.6	4385.3	4339.3	4106.1	3946.5
57.5°	3335.8	3369.6	3548.6	3854.4	4325.0	4677.9	4706.5	4575.6	4527.5	4309.6	4160.3
60°	2846.8	2891.8	3098.5	3495.4	4036.5	4645.2	4848.7	4736.2	4706.5	4498.9	4353.6
62.5°	2068.4	2101.1	2376.3	2897.0	3608.9	4411.9	4968.4	4901.9	4879.4	4668.7	4528.6
65°	1238.8	1313.5	1534.4	2048.9	2911.3	3972.1	4902.9	5118.8	5095.3	4843.6	4677.9
67.5°	627.1	660.8	747.8	1110.9	1957.9	3286.7	4574.6	5253.8	5282.5	4993.0	4731.1
70°	388.7	397.9	422.5	548.3	977.9	2159.4	3740.9	4901.9	5042.1	4969.4	4593.0
72.5°	312.0	314.0	318.1	341.7	469.5	1009.6	2365.0	3839.1	4091.8	4641.1	4395.6
75°	258.8	259.8	260.8	268.0	292.6	412.2	1150.8	2638.2	2933.8	3944.5	4075.4
77.5°	207.7	202.5	206.6	209.7	215.8	230.2	396.9	1407.6	1707.3	2589.1	3151.7
80°	135.0	133.0	141.2	144.2	150.4	159.6	211.7	477.7	580.0	942.1	1002.5
82.5°	72.6	68.5	85.9	82.9	85.9	93.1	124.8	174.9	196.4	284.4	240.4
85°	22.5	22.5	23.5	27.6	33.8	32.7	54.2	85.9	95.1	121.7	90.0
87.5°	4.1	4.1	4.1	4.1	4.1	5.1	11.3	17.4	23.5	41.9	31.7
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°	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4
2.5°	1507.8	1498.6	1503.7	1506.8	1505.8	1503.7	1493.5	1491.4	1486.3	1478.1	1476.1
5°	1552.8	1542.6	1543.6	1540.5	1530.3	1517.0	1494.5	1483.3	1474.1	1463.8	1462.8
7.5°	1623.4	1612.2	1609.1	1594.8	1566.1	1535.4	1499.6	1479.2	1463.8	1450.5	1448.5
10°	1713.4	1702.2	1691.9	1658.2	1611.1	1570.2	1523.2	1493.5	1471.0	1454.6	1451.6
12.5°	1813.7	1804.5	1778.9	1729.8	1673.5	1625.5	1577.4	1540.5	1507.8	1483.3	1480.2
15°	1925.2	1904.7	1865.8	1802.4	1749.2	1710.4	1652.0	1601.9	1549.8	1517.0	1509.9
17.5°	2002.9	1985.5	1939.5	1878.1	1836.2	1802.4	1733.9	1662.3	1591.7	1543.6	1533.4
20°	2058.2	2039.7	1987.6	1942.6	1929.3	1900.6	1820.8	1738.0	1656.1	1596.8	1583.5
22.5°	2098.0	2078.6	2025.4	2002.9	2021.3	2016.2	1938.5	1844.4	1747.2	1676.6	1660.2
25°	2135.9	2117.5	2070.4	2078.6	2127.7	2143.1	2059.2	1949.7	1839.2	1756.4	1737.0
27.5°	2171.7	2148.2	2126.7	2171.7	2241.3	2269.9	2180.9	2057.1	1937.4	1852.5	1837.2
30°	2226.9	2199.3	2196.2	2261.7	2372.2	2396.7	2298.5	2174.8	2056.1	1970.2	1950.7
32.5°	2296.5	2270.9	2273.0	2371.2	2499.0	2519.5	2435.6	2320.0	2201.4	2115.4	2088.8
35°	2390.6	2358.9	2376.3	2497.0	2625.9	2663.7	2596.2	2500.1	2384.5	2296.5	2266.8
37.5°	2520.5	2474.5	2510.3	2637.1	2767.0	2823.3	2771.1	2699.5	2585.0	2496.0	2468.4
40°	2686.2	2648.4	2662.7	2802.9	2936.9	3004.4	2971.6	2901.1	2787.5	2694.4	2662.7
42.5°	2882.6	2844.8	2839.7	2989.0	3123.0	3225.3	3193.6	3129.2	3011.5	2905.1	2874.5
45°	3075.0	3040.2	3047.3	3199.8	3350.1	3461.6	3429.9	3354.2	3226.3	3103.6	3079.0
47.5°	3275.5	3246.8	3252.9	3414.6	3580.3	3691.8	3651.9	3559.8	3410.5	3279.5	3249.9
50°	3481.1	3448.3	3457.5	3627.3	3806.4	3911.7	3850.3	3714.3	3549.6	3421.7	3396.2
52.5°	3685.6	3646.8	3670.3	3830.9	4016.1	4099.9	3986.4	3821.7	3662.1	3535.3	3506.6
55°	3920.9	3880.0	3854.4	4026.3	4209.4	4244.2	4088.7	3896.4	3707.1	3562.9	3545.5
57.5°	4135.7	4101.0	4052.9	4224.7	4359.8	4334.2	4167.5	3875.9	3597.7	3412.5	3388.0
60°	4328.1	4298.4	4256.4	4402.7	4464.1	4406.8	4104.0	3633.5	3327.6	3134.3	3123.0
62.5°	4505.0	4473.3	4434.4	4559.2	4551.1	4418.1	3815.6	3261.1	2852.0	2644.3	2625.9
65°	4645.2	4616.5	4605.3	4703.5	4690.2	4198.1	3366.5	2651.5	2083.7	1849.5	1842.3
67.5°	4685.1	4673.8	4734.2	4900.9	4693.2	3756.2	2640.2	1758.4	1119.1	897.1	883.8
70°	4535.7	4534.7	4707.6	4945.9	4267.7	2869.3	1557.9	792.8	562.6	499.2	491.0
72.5°	4341.4	4338.3	4475.4	4266.7	3165.0	1570.2	655.7	424.5	351.9	334.5	334.5
75°	4022.2	4014.0	4117.3	3245.8	1779.9	591.3	347.8	291.5	276.2	273.1	273.1
77.5°	3278.5	3210.0	3047.3	2006.0	620.9	290.5	230.2	229.1	219.9	218.9	218.9
80°	1078.2	1078.2	1253.1	765.2	274.1	179.0	162.6	170.8	161.6	155.5	154.5
82.5°	175.9	242.4	344.7	218.9	148.3	111.5	100.2	106.4	111.5	89.0	89.0
85°	69.6	91.0	133.0	102.3	68.5	45.0	48.1	53.2	47.1	40.9	39.9
87.5°	26.6	32.7	47.1	24.6	14.3	8.2	5.1	5.1	4.1	4.1	4.1
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)