

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: P635354

Luminaire Tested: GWS-SA3D-750-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635354
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-750-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15008.2 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

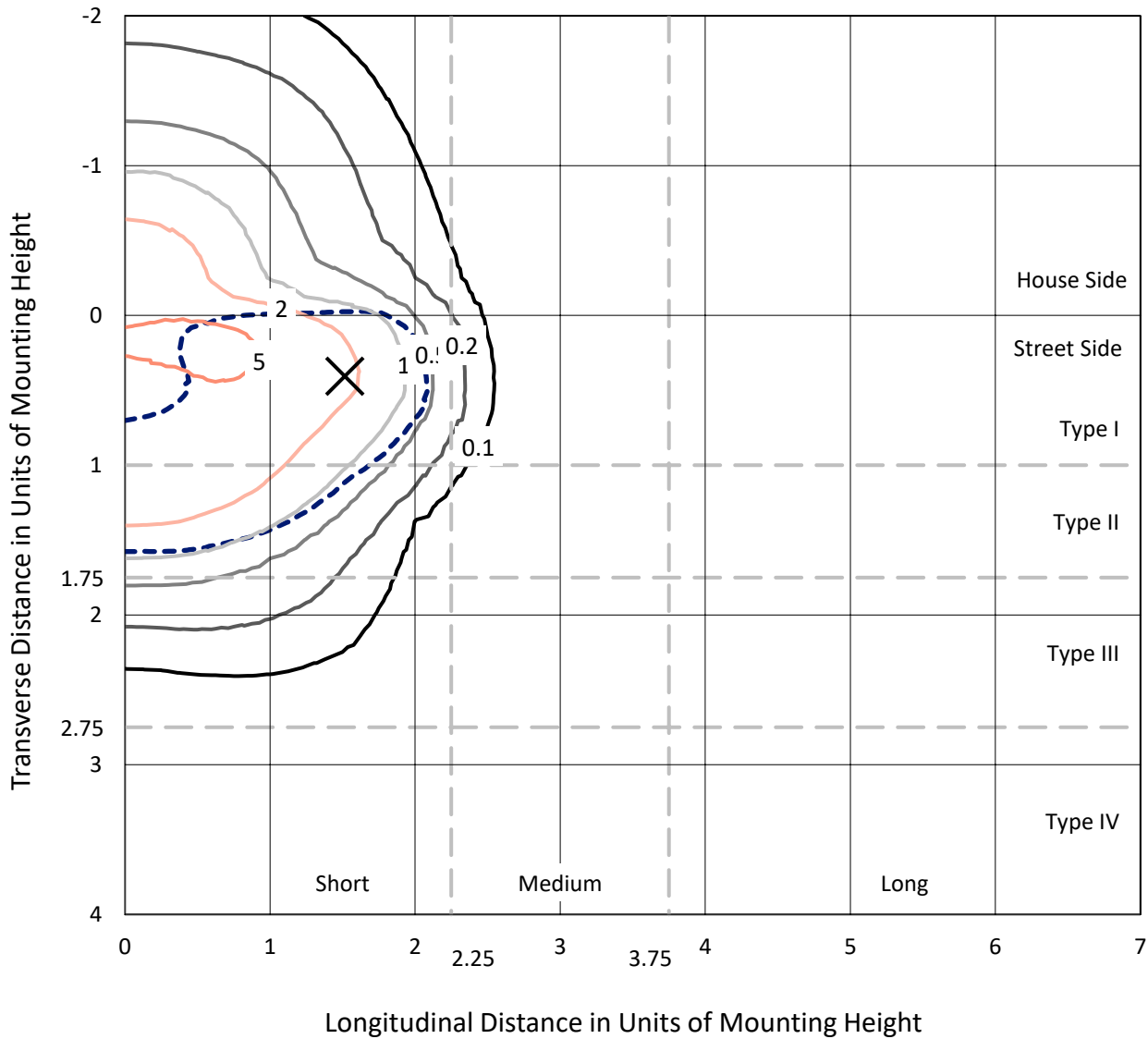
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

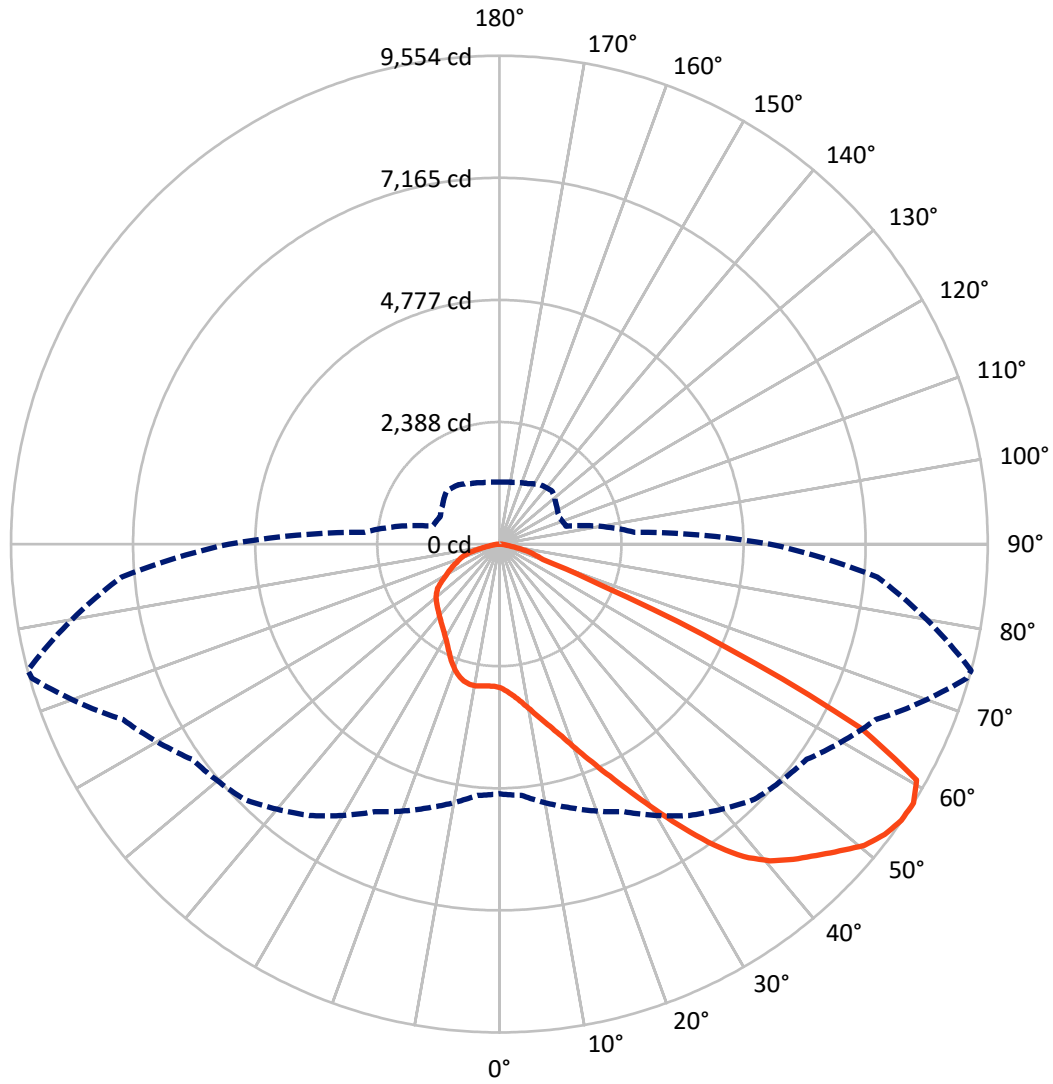
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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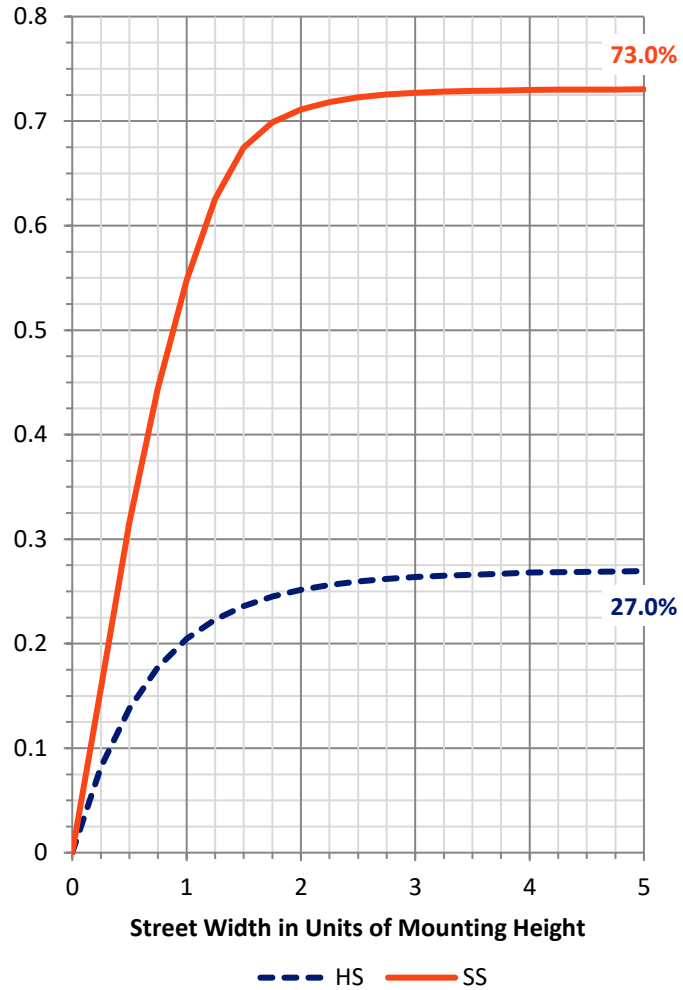
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4060.0	0.0	4060.0
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	10948.2	0.0	10948.2
	% Fixture	72.9	0.0	72.9
Total	Lumens	15008.2	0.0	15008.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.3	1.9
10°-20°	895.5	6.0
20°-30°	1588.1	10.6
30°-40°	2431.1	16.2
40°-50°	3385.1	22.6
50°-60°	3878.7	25.8
60°-70°	1993.0	13.3
70°-80°	501.7	3.3
80°-90°	53.6	0.4
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°	15008.2	100.0
0°-180°	15008.2	100.0

Coefficient of Utilization



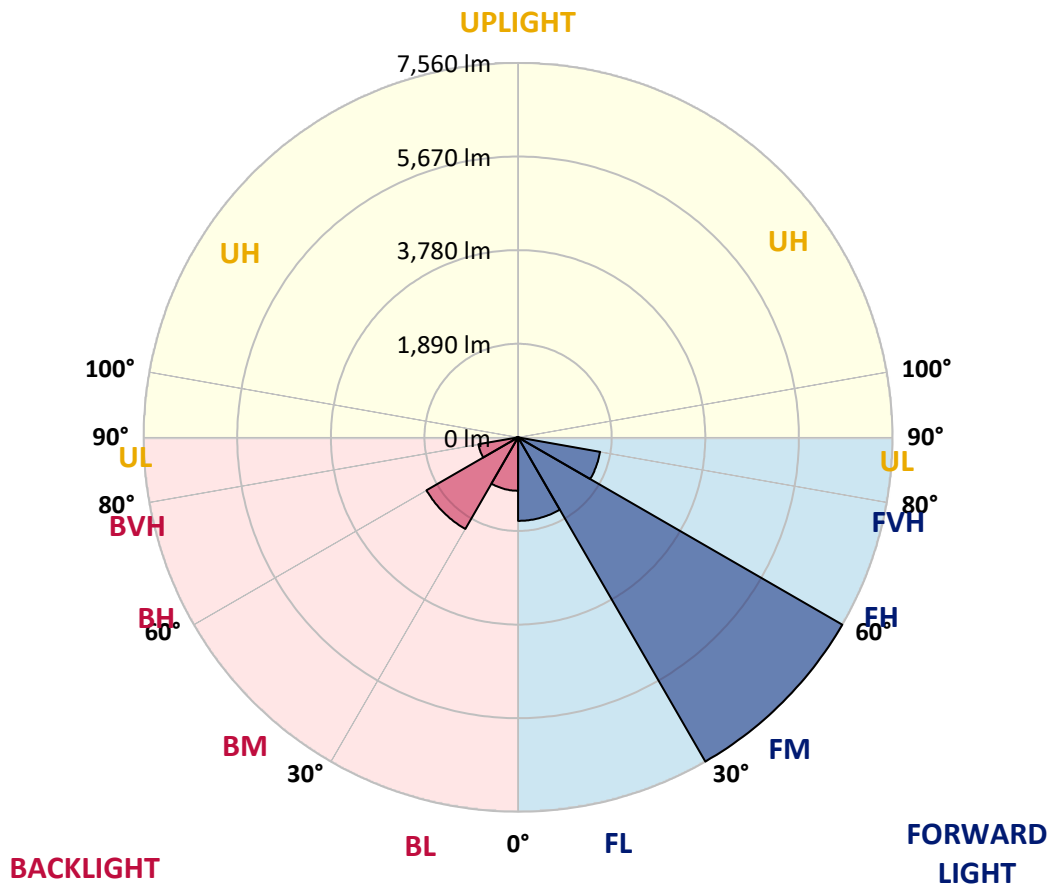
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1686.3	11.2			
FM (30°-60°)	7559.8	50.4			
FH (60°-80°)	1682.3	11.2			G1/1800
FVH (80°-90°)	19.9	0.1			G1/100
BL (0°-30°)	1078.6	7.2	B3/2500		
BM (30°-60°)	2135.2	14.2	B2/2500		
BH (60°-80°)	812.4	5.4	B2/1000		G2/1000
BVH (80°-90°)	33.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2810.7	2810.7	2810.7	2810.7	2810.7	2810.7	2810.7	2810.7	2810.7	2810.7	2810.7
2.5°	3019.7	3027.5	3019.7	3032.6	3006.8	2995.2	2966.8	2924.2	2890.7	2885.5	2848.1
5°	3254.6	3271.4	3261.1	3255.9	3221.0	3195.2	3152.7	3067.5	2997.8	2987.5	2913.9
7.5°	3405.6	3417.2	3417.2	3421.1	3408.2	3378.5	3333.3	3232.7	3134.6	3119.1	3008.1
10°	3455.9	3465.0	3481.7	3514.0	3539.8	3548.8	3519.2	3422.4	3302.4	3286.9	3132.0
12.5°	3467.5	3477.9	3503.7	3563.0	3634.0	3698.5	3703.7	3632.7	3498.5	3481.7	3275.3
15°	3489.5	3499.8	3534.6	3608.2	3712.7	3836.6	3912.7	3863.7	3715.3	3697.2	3437.9
17.5°	3486.9	3498.5	3550.1	3648.2	3788.9	3968.2	4115.4	4136.0	3982.4	3951.5	3622.4
20°	3480.4	3490.8	3546.3	3666.3	3840.5	4087.0	4352.8	4459.9	4294.7	4266.3	3837.9
22.5°	3532.1	3543.7	3586.3	3685.6	3867.6	4178.6	4572.2	4830.3	4665.1	4625.1	4085.7
25°	3648.2	3665.0	3690.8	3759.2	3916.6	4259.9	4796.7	5249.7	5080.6	5032.9	4355.4
27.5°	3827.6	3848.2	3884.4	3916.6	4026.3	4363.1	5020.0	5719.4	5550.4	5500.0	4640.6
30°	4047.0	4074.1	4120.5	4142.5	4217.3	4515.4	5262.6	6203.4	6105.3	6035.6	4961.9
32.5°	4350.2	4387.6	4431.5	4438.0	4483.1	4746.4	5502.6	6683.4	6682.1	6633.1	5327.1
35°	4745.1	4785.1	4794.2	4803.2	4825.1	5063.9	5793.0	7120.9	7289.9	7233.2	5724.6
37.5°	5176.1	5234.2	5248.4	5208.4	5239.4	5445.8	6119.5	7471.9	7819.0	7758.4	6109.2
40°	5636.8	5660.1	5698.8	5635.5	5674.3	5883.3	6439.5	7696.5	8213.9	8149.4	6412.4
42.5°	5967.2	6009.8	6067.9	6044.6	6066.6	6257.6	6664.1	7804.9	8495.3	8430.7	6630.5
45°	6326.0	6338.9	6376.3	6371.1	6384.0	6562.1	6825.4	7852.6	8746.9	8688.8	6816.3
47.5°	6638.3	6657.6	6682.1	6653.7	6625.3	6741.5	6957.0	7893.9	9037.3	8967.6	7011.2
50°	6938.9	6955.7	6985.4	6902.8	6797.0	6826.7	7021.5	7950.7	9309.6	9260.5	7164.8
52.5°	6994.4	7012.5	7151.9	7168.6	7033.1	6928.6	7135.1	8075.9	9469.6	9438.6	7220.3
55°	6296.3	6328.5	6606.0	6924.7	7259.0	7225.4	7317.0	8141.7	9532.8	9540.6	7319.6
57.5°	4887.1	4933.5	5338.7	5776.2	6479.5	7061.5	7340.3	8124.9	9510.9	9553.5	7421.6
60°	3205.6	3232.7	3712.7	4203.1	4932.2	5737.5	6569.9	7822.9	9316.0	9376.7	7395.8
62.5°	1935.7	1966.7	2352.6	2724.2	3153.9	3692.1	4456.0	6287.2	7808.7	7944.2	5923.3
65°	1351.1	1392.4	1730.5	2036.4	2184.8	2073.8	2257.1	3511.4	4865.1	4921.9	3619.8
67.5°	979.5	1007.9	1285.3	1649.2	1813.1	1464.7	1116.3	1555.0	2119.0	2139.6	1493.1
70°	641.4	673.6	925.3	1255.6	1480.2	1187.2	834.9	841.4	891.7	902.0	867.2
72.5°	352.3	371.7	571.7	833.7	874.9	709.8	651.7	699.4	734.3	734.3	743.3
75°	182.0	198.7	233.6	274.9	331.7	388.4	469.7	540.7	578.1	580.7	576.8
77.5°	92.9	99.4	125.2	135.5	148.4	172.9	224.5	287.8	321.3	334.2	331.7
80°	43.9	46.5	52.9	61.9	76.1	96.8	121.3	144.5	165.2	167.8	182.0
82.5°	23.2	25.8	28.4	33.6	41.3	51.6	71.0	85.2	98.1	100.7	112.3
85°	9.0	10.3	11.6	12.9	18.1	21.9	29.7	40.0	49.0	49.0	58.1
87.5°	0.0	0.0	0.0	0.0	1.3	2.6	5.2	6.5	9.0	9.0	15.5
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°	2810.7	2810.7	2810.7	2810.7	2810.7	2810.7	2810.7	2810.7	2810.7	2810.7	2810.7
2.5°	2839.1	2801.6	2784.9	2757.8	2735.8	2711.3	2692.0	2677.8	2668.7	2663.6	2658.4
5°	2885.5	2828.7	2783.6	2729.4	2692.0	2655.8	2626.1	2605.5	2595.2	2587.4	2582.3
7.5°	2957.8	2881.7	2796.5	2712.6	2646.8	2588.7	2551.3	2529.3	2515.2	2510.0	2506.1
10°	3057.2	2951.3	2810.7	2677.8	2579.7	2516.4	2490.6	2480.3	2481.6	2479.0	2477.7
12.5°	3169.4	3024.9	2806.8	2615.8	2507.4	2470.0	2471.3	2488.1	2507.4	2512.6	2513.9
15°	3290.7	3097.2	2769.4	2535.8	2450.6	2454.5	2488.1	2528.1	2564.2	2578.4	2581.0
17.5°	3422.4	3157.8	2701.0	2448.0	2404.2	2445.5	2507.4	2573.2	2626.1	2649.4	2655.8
20°	3569.5	3209.4	2604.2	2361.6	2360.3	2428.7	2519.0	2605.5	2672.6	2703.6	2708.7
22.5°	3725.6	3241.7	2485.5	2281.6	2315.1	2406.8	2510.0	2600.3	2671.3	2702.3	2708.7
25°	3883.1	3252.0	2355.1	2208.0	2268.7	2371.9	2466.1	2538.4	2605.5	2632.6	2637.8
27.5°	4030.2	3222.3	2231.2	2144.8	2226.1	2320.3	2383.5	2422.2	2468.7	2489.3	2493.2
30°	4179.9	3163.0	2126.7	2094.5	2178.3	2249.3	2277.7	2280.3	2298.4	2298.4	2300.9
32.5°	4330.9	3075.2	2035.1	2045.4	2119.0	2165.4	2169.3	2139.6	2117.7	2081.6	2080.3
35°	4505.1	2986.2	1960.2	1989.9	2049.3	2077.7	2066.1	2009.3	1956.4	1897.0	1894.4
37.5°	4666.4	2894.6	1897.0	1933.1	1970.6	1991.2	1964.1	1895.7	1851.8	1791.2	1782.2
40°	4799.3	2812.0	1836.4	1873.8	1891.9	1909.9	1866.0	1810.5	1817.0	1783.4	1782.2
42.5°	4876.7	2732.0	1779.6	1808.0	1819.6	1832.5	1793.8	1752.5	1787.3	1761.5	1762.8
45°	4933.5	2662.3	1728.0	1738.3	1766.7	1786.0	1749.9	1703.4	1711.2	1611.8	1588.6
47.5°	4998.0	2623.6	1678.9	1668.6	1718.9	1752.5	1697.0	1629.9	1583.4	1485.3	1476.3
50°	5066.4	2609.4	1627.3	1598.9	1659.6	1691.8	1627.3	1543.4	1482.8	1429.9	1424.7
52.5°	5089.7	2608.1	1562.8	1515.0	1575.7	1620.8	1566.6	1481.5	1409.2	1357.6	1355.0
55°	5181.3	2645.5	1480.2	1400.2	1457.0	1549.9	1509.9	1387.3	1329.2	1306.0	1303.4
57.5°	5288.4	2651.9	1349.8	1275.0	1353.7	1463.4	1413.1	1307.3	1244.0	1215.6	1213.1
60°	5244.5	2493.2	1210.5	1179.5	1266.0	1382.1	1335.7	1244.0	1170.5	1143.4	1140.8
62.5°	3996.6	1760.2	1108.5	1096.9	1171.8	1264.7	1255.6	1160.1	1090.5	1071.1	1068.5
65°	2404.2	1236.3	1010.4	1009.2	1062.1	1151.1	1162.7	1085.3	1011.7	984.6	984.6
67.5°	1188.5	945.9	899.5	893.0	926.6	989.8	1038.8	975.6	913.7	887.9	884.0
70°	840.1	833.7	818.2	800.1	806.6	832.4	853.0	800.1	734.3	708.5	703.3
72.5°	726.5	727.8	717.5	703.3	698.2	680.1	662.0	623.3	583.3	556.2	558.8
75°	563.9	566.5	573.0	567.8	553.6	534.3	514.9	465.9	433.6	407.8	402.6
77.5°	329.1	342.0	362.6	357.5	360.0	332.9	325.2	277.5	247.8	229.7	225.8
80°	185.8	193.6	202.6	209.1	201.3	189.7	172.9	147.1	138.1	125.2	122.6
82.5°	112.3	120.0	123.9	129.0	126.5	111.0	98.1	81.3	73.6	67.1	65.8
85°	56.8	61.9	65.8	68.4	60.7	50.3	45.2	36.1	31.0	27.1	27.1
87.5°	14.2	15.5	18.1	15.5	14.2	6.5	5.2	1.3	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)