

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: P635576

Luminaire Tested: GWS-SA3E-722-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635576
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-722-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16071.7 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G3

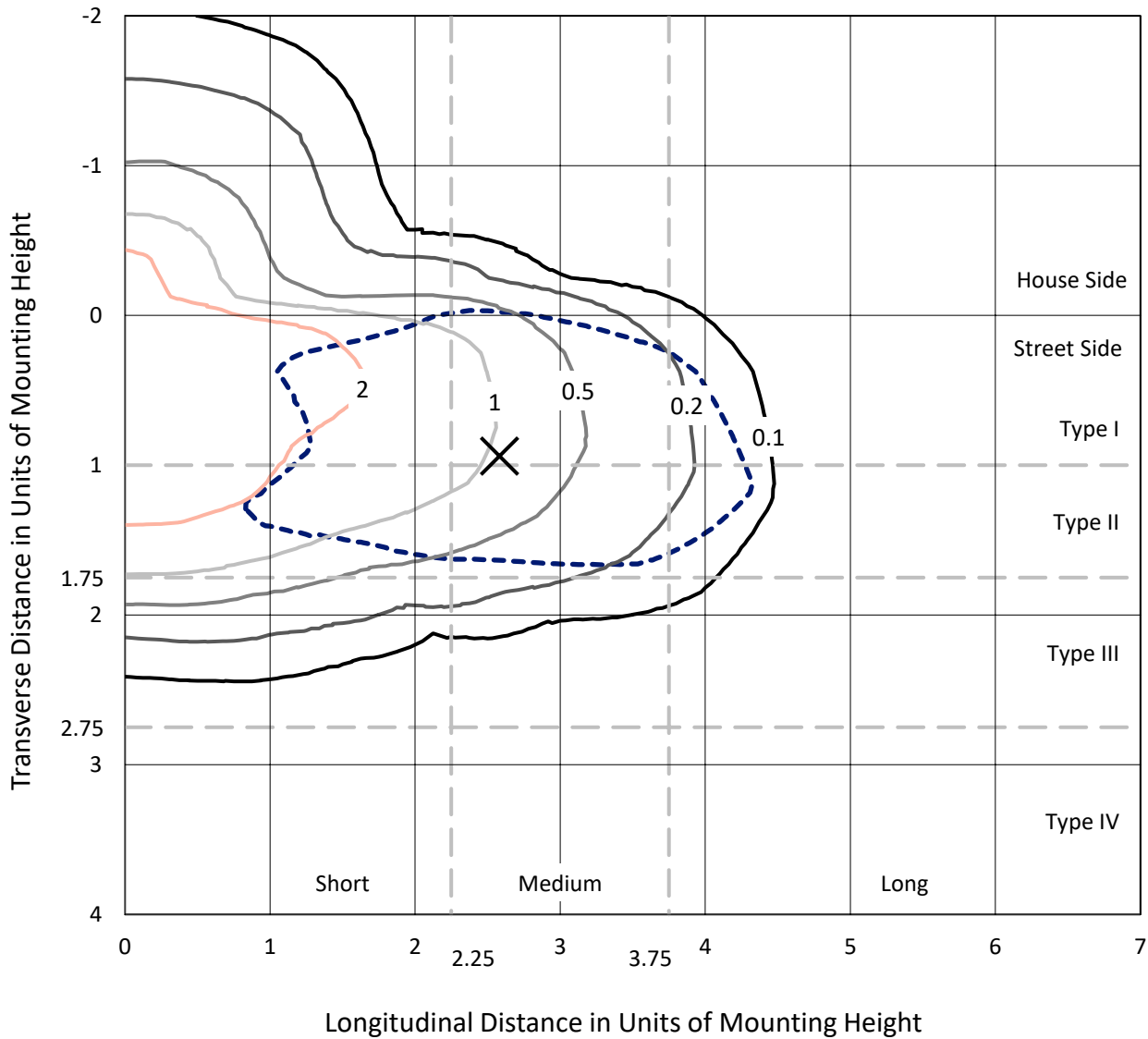
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

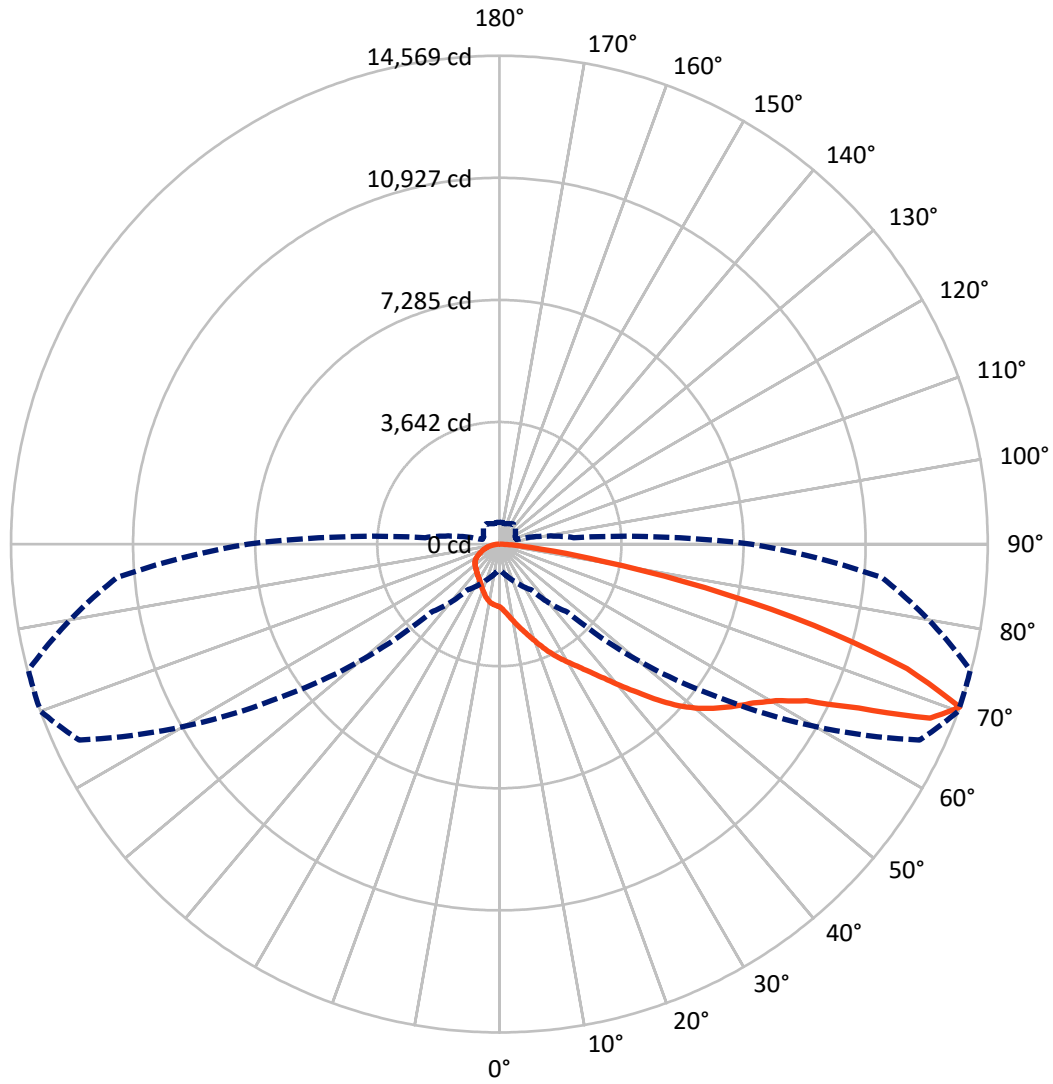
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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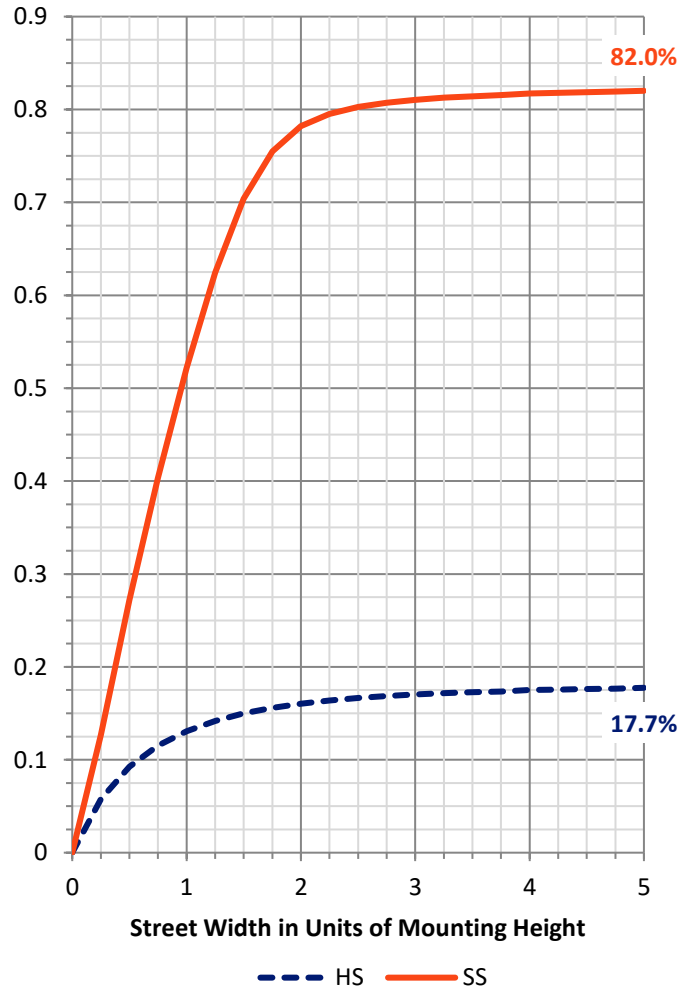
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2880.1	0.0	2880.1
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	13191.6	0.0	13191.6
	% Fixture	82.1	0.0	82.1
Total	Lumens	16071.7	0.0	16071.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.5	1.2
10°-20°	619.7	3.9
20°-30°	1097.8	6.8
30°-40°	1652.2	10.3
40°-50°	2499.6	15.6
50°-60°	3580.9	22.3
60°-70°	3958.3	24.6
70°-80°	2233.7	13.9
80°-90°	238.9	1.5
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°	16071.7	100.0
0°-180°	16071.7	100.0

Coefficient of Utilization



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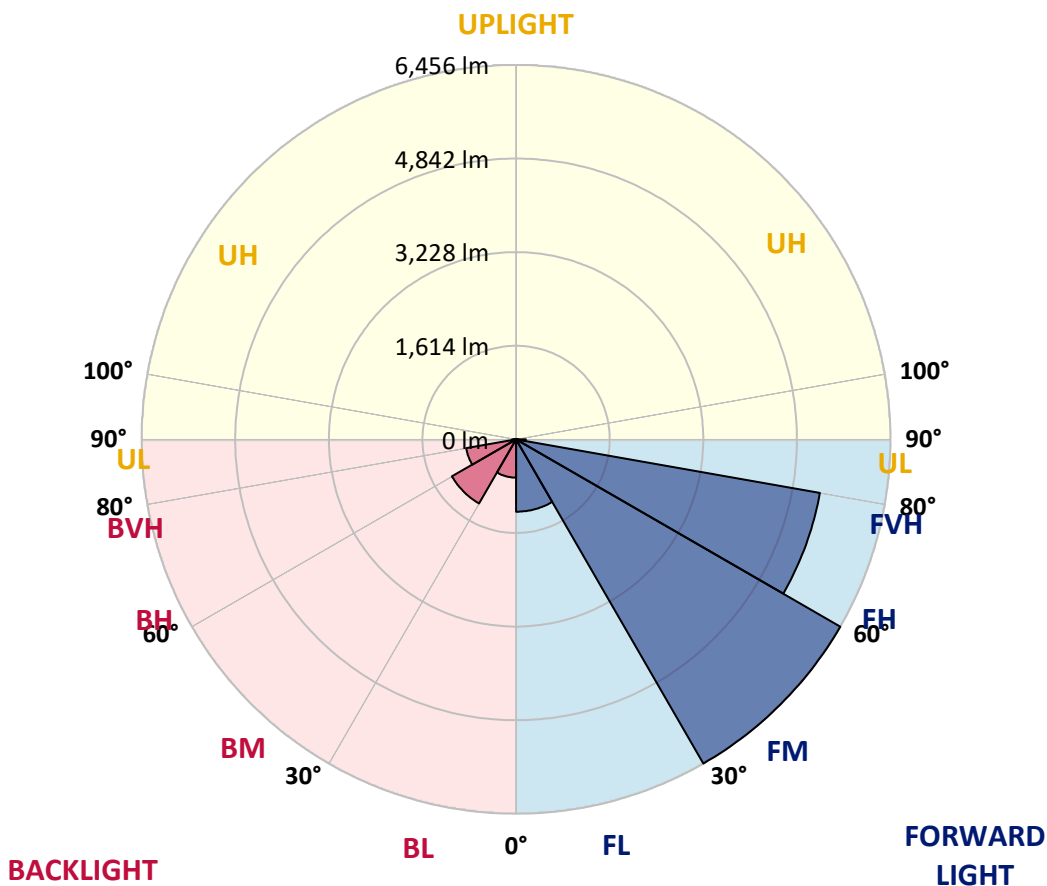
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1247.7	7.8			
FM (30°-60°)	6456.0	40.2			
FH (60°-80°)	5319.1	33.1			G3/7500
FVH (80°-90°)	168.9	1.1			G2/225
BL (0°-30°)	660.4	4.1	B2/1000		
BM (30°-60°)	1276.8	7.9	B2/2500		
BH (60°-80°)	872.9	5.4	B2/1000		G2/1000
BVH (80°-90°)	70.0	0.4			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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1874.3	1874.3	1874.3	1874.3	1874.3	1874.3	1874.3	1874.3	1874.3	1874.3	1874.3
2.5°	2076.4	2072.9	2075.2	2072.9	2060.1	2028.7	2003.2	1970.7	1948.6	1935.8	1905.6
5°	2320.2	2316.7	2308.6	2297.0	2273.8	2230.8	2166.9	2096.1	2053.1	2020.6	1956.7
7.5°	2495.6	2495.6	2494.4	2480.5	2464.2	2418.9	2343.4	2250.5	2187.8	2132.1	2027.6
10°	2585.0	2590.8	2598.9	2618.7	2615.2	2590.8	2520.0	2420.1	2341.1	2276.1	2120.5
12.5°	2633.8	2637.2	2651.2	2691.8	2733.6	2739.4	2697.6	2593.1	2507.2	2420.1	2223.8
15°	2696.5	2697.6	2716.2	2765.0	2826.5	2888.1	2877.6	2773.1	2684.9	2588.5	2338.8
17.5°	2745.2	2753.4	2787.1	2844.0	2920.6	3005.4	3056.5	2991.4	2882.3	2772.0	2464.2
20°	2762.7	2768.5	2812.6	2899.7	3004.2	3123.8	3237.6	3220.2	3109.9	2979.8	2605.9
22.5°	2825.4	2825.4	2857.9	2931.1	3054.1	3228.3	3413.0	3458.3	3360.7	3208.6	2758.0
25°	2963.6	2958.9	2974.0	3004.2	3097.1	3311.9	3586.0	3721.9	3612.7	3442.0	2910.1
27.5°	3152.9	3150.5	3149.4	3154.0	3185.4	3385.1	3732.3	3968.1	3858.9	3666.1	3046.0
30°	3358.4	3351.4	3366.5	3352.6	3345.6	3472.2	3856.6	4188.7	4103.9	3887.9	3158.7
32.5°	3638.3	3625.5	3622.0	3576.7	3548.8	3608.1	3956.5	4439.5	4372.2	4127.2	3285.2
35°	4007.5	3995.9	3936.7	3864.7	3782.3	3810.1	4080.7	4684.6	4689.2	4426.8	3451.3
37.5°	4380.3	4382.6	4336.2	4166.6	4081.9	4065.6	4270.0	4983.0	5082.9	4784.4	3666.1
40°	4690.4	4704.3	4704.3	4525.5	4398.9	4383.8	4535.9	5337.2	5535.8	5223.4	3937.9
42.5°	4926.1	4938.9	4979.5	4850.6	4717.1	4769.3	4858.8	5692.6	6049.1	5765.7	4281.6
45°	5185.1	5195.5	5217.6	5143.3	5065.5	5204.8	5224.6	6117.6	6636.7	6374.2	4681.1
47.5°	5528.8	5519.5	5521.8	5467.3	5406.9	5632.2	5627.5	6475.3	7204.5	7040.8	5114.2
50°	5956.2	5973.6	5957.3	5849.3	5778.5	5984.0	6010.7	6871.2	7703.9	7700.4	5550.9
52.5°	6367.3	6374.2	6460.2	6464.8	6319.6	6276.7	6346.4	7270.7	8125.4	8304.3	5970.1
55°	6388.2	6414.9	6672.7	6858.5	7093.0	6748.2	6685.4	7651.6	8533.0	8895.3	6405.6
57.5°	5943.4	5986.4	6424.2	6824.8	7477.4	7557.6	7266.1	8144.0	8940.6	9477.1	6909.6
60°	4993.5	5082.9	5677.5	6290.6	7304.4	8139.4	8454.1	8812.9	9476.0	10071.7	7521.6
62.5°	3188.9	3223.7	4057.5	5084.0	6525.2	8082.5	9747.7	9991.6	10291.2	10846.3	8464.5
65°	1596.7	1708.2	2197.1	3034.4	4705.5	7122.1	10401.5	12150.4	11783.4	12172.5	9992.7
67.5°	1083.5	1119.5	1366.8	1823.2	2759.2	5045.7	9996.2	13968.9	13860.9	13924.8	11622.0
70°	799.0	822.2	1017.3	1291.3	1668.7	2864.9	7958.2	13831.9	14569.3	14546.1	11451.3
72.5°	583.0	594.6	742.1	985.9	1236.8	1481.8	4859.9	11173.8	12718.3	13388.3	10014.8
75°	423.9	437.8	515.6	737.4	961.5	924.4	2399.2	8070.8	9698.9	10988.0	8159.1
77.5°	315.9	333.3	369.3	462.2	673.5	661.9	1037.0	5240.8	6273.2	7176.7	4956.3
80°	227.6	231.1	252.0	296.1	427.3	387.9	493.5	2732.5	3133.1	3432.7	1942.8
82.5°	138.2	141.7	168.4	182.3	264.8	243.9	256.6	884.9	1268.1	1345.9	725.8
85°	40.6	43.0	76.6	83.6	110.3	104.5	103.4	360.0	429.7	549.3	285.7
87.5°	0.0	0.0	0.0	0.0	1.2	7.0	12.8	63.9	96.4	133.5	69.7
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°	1874.3	1874.3	1874.3	1874.3	1874.3	1874.3	1874.3	1874.3	1874.3	1874.3	1874.3
2.5°	1894.0	1867.3	1853.4	1829.0	1811.6	1794.2	1776.7	1760.5	1753.5	1743.1	1745.4
5°	1927.7	1885.9	1844.1	1796.5	1755.8	1722.2	1692.0	1665.3	1653.7	1643.2	1647.8
7.5°	1978.8	1916.1	1836.0	1748.9	1685.0	1638.6	1607.2	1588.6	1582.8	1574.7	1574.7
10°	2043.8	1949.8	1809.3	1685.0	1608.4	1571.2	1557.3	1556.1	1561.9	1563.1	1560.7
12.5°	2115.8	1982.3	1769.8	1609.5	1544.5	1532.9	1543.3	1563.1	1582.8	1593.3	1590.9
15°	2190.2	2003.2	1702.4	1537.5	1498.0	1513.1	1546.8	1586.3	1624.6	1644.4	1643.2
17.5°	2259.8	2007.8	1615.3	1467.8	1457.4	1495.7	1553.8	1615.3	1667.6	1695.5	1696.6
20°	2337.6	1999.7	1525.9	1405.1	1416.8	1479.5	1556.1	1630.4	1692.0	1719.8	1726.8
22.5°	2408.5	1971.8	1438.8	1345.9	1381.9	1459.7	1537.5	1607.2	1661.8	1688.5	1697.8
25°	2472.3	1918.4	1343.6	1296.0	1355.2	1431.8	1491.1	1539.8	1578.2	1594.4	1607.2
27.5°	2507.2	1838.3	1271.6	1256.5	1329.7	1392.4	1424.9	1440.0	1452.8	1448.1	1457.4
30°	2514.2	1738.4	1208.9	1225.1	1291.3	1337.8	1344.8	1329.7	1307.6	1271.6	1279.7
32.5°	2507.2	1623.5	1156.6	1191.5	1248.4	1276.2	1266.9	1227.5	1174.0	1118.3	1121.8
35°	2509.5	1507.3	1113.7	1154.3	1198.4	1213.5	1190.3	1135.7	1078.8	1027.7	1025.4
37.5°	2535.1	1409.8	1077.7	1118.3	1149.7	1152.0	1126.4	1069.5	1040.5	1002.2	997.5
40°	2605.9	1337.8	1045.1	1082.3	1102.0	1100.9	1071.9	1031.2	1051.0	1038.2	1034.7
42.5°	2722.0	1293.7	1018.4	1044.0	1057.9	1060.2	1037.0	1011.5	1054.4	1038.2	1032.4
45°	2909.0	1291.3	999.9	1005.7	1027.7	1044.0	1027.7	998.7	1015.0	936.0	920.9
47.5°	3130.8	1330.8	985.9	972.0	1010.3	1039.3	1013.8	967.3	933.7	861.7	851.2
50°	3397.9	1410.9	973.1	936.0	984.8	1021.9	996.4	932.5	881.4	843.1	837.3
52.5°	3714.9	1516.6	956.9	895.3	946.4	1012.6	996.4	929.0	861.7	826.8	821.0
55°	4047.0	1638.6	938.3	846.6	903.5	1015.0	1004.5	904.6	846.6	828.0	823.3
57.5°	4459.3	1784.9	904.6	789.7	865.1	994.0	972.0	890.7	836.1	821.0	816.4
60°	4994.6	2002.0	840.8	731.6	821.0	956.9	943.0	867.5	808.2	795.5	792.0
62.5°	5842.4	2370.2	763.0	675.9	768.8	879.1	900.0	823.3	773.4	772.2	771.1
65°	7224.3	2812.6	671.2	625.9	714.2	815.2	843.1	778.1	737.4	750.2	749.0
67.5°	8192.8	2850.9	595.7	573.7	650.3	745.5	786.2	731.6	687.5	711.9	710.7
70°	7504.1	2223.8	530.7	519.1	581.8	670.1	724.6	673.5	629.4	652.6	648.0
72.5°	6328.9	1704.7	469.2	462.2	512.1	591.1	645.7	615.5	569.0	569.0	558.6
75°	5086.4	1406.3	404.1	400.6	434.3	511.0	572.5	521.4	478.4	476.1	469.2
77.5°	2917.1	922.0	339.1	336.8	347.2	427.3	444.8	434.3	401.8	386.7	382.1
80°	1162.4	479.6	267.1	252.0	262.4	313.5	350.7	333.3	305.4	286.8	276.4
82.5°	450.6	240.4	188.1	164.9	180.0	226.4	254.3	248.5	229.9	188.1	176.5
85°	183.5	117.3	112.6	95.2	104.5	121.9	146.3	126.6	104.5	74.3	70.8
87.5°	48.8	43.0	41.8	25.5	19.7	5.8	1.2	0.0	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)