

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: P634861

Luminaire Tested: GWS-SA3C-750-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634861
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-SA3C-750-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14157.2 lumens
Efficiency: N/A
Efficacy: 152.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

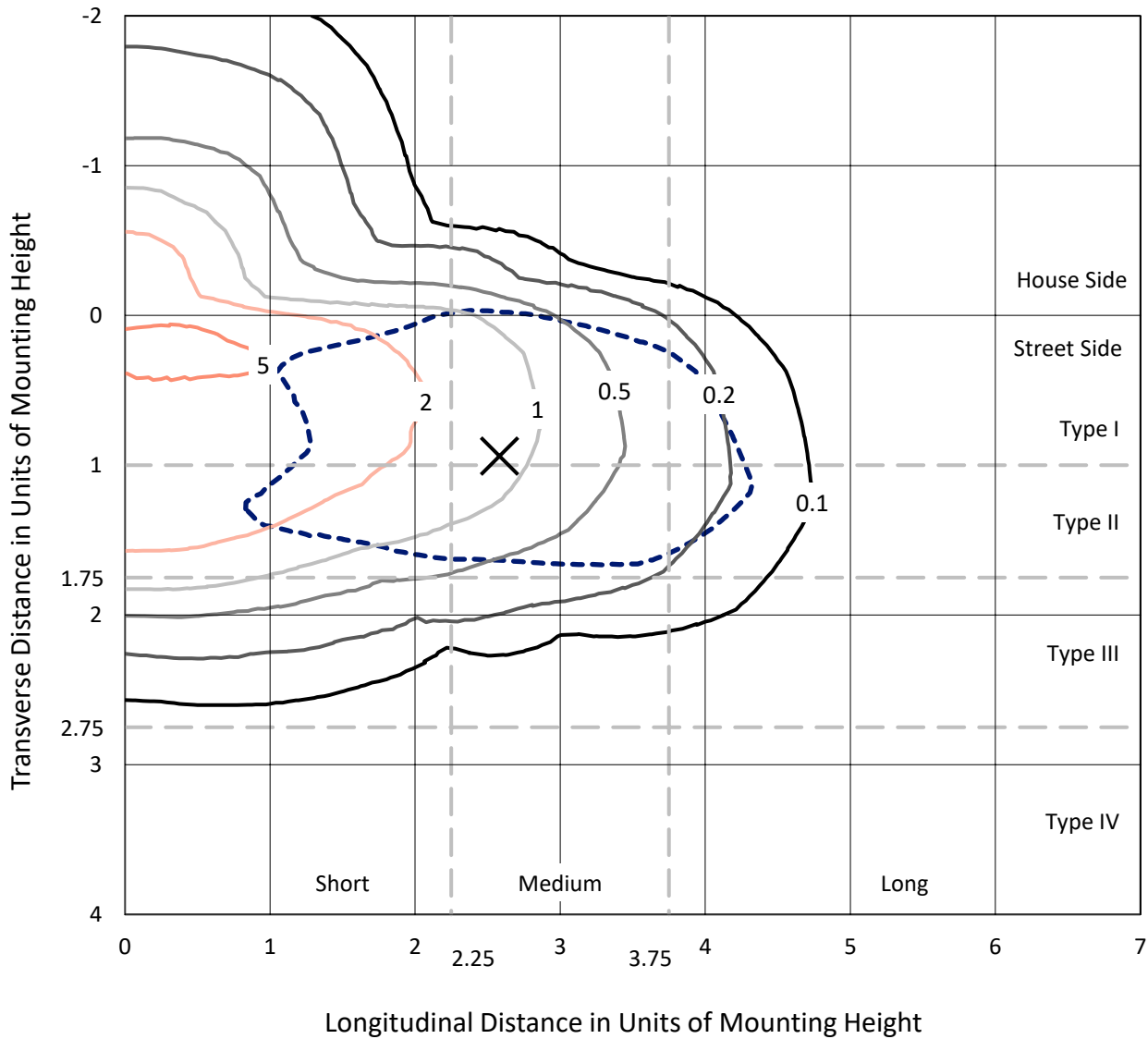
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

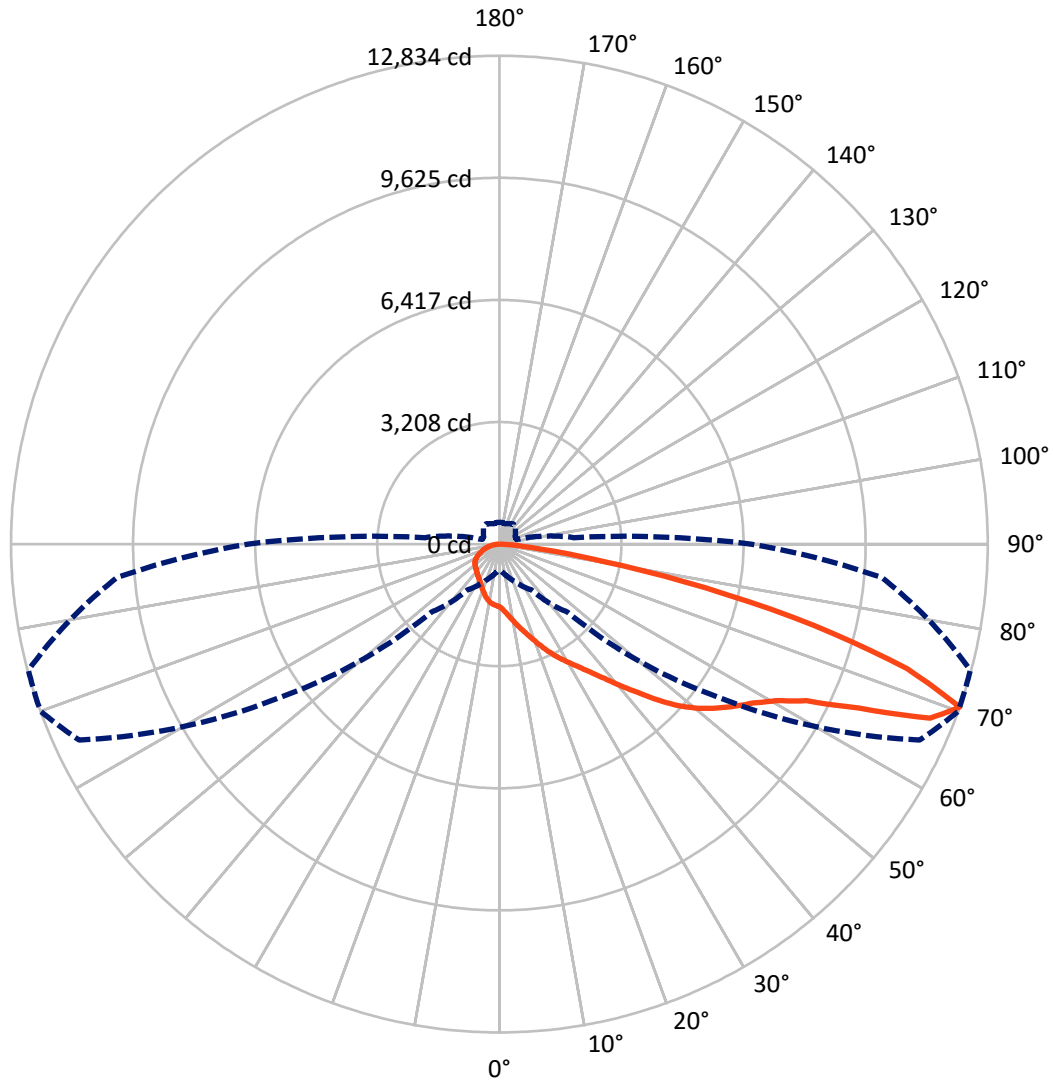
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6 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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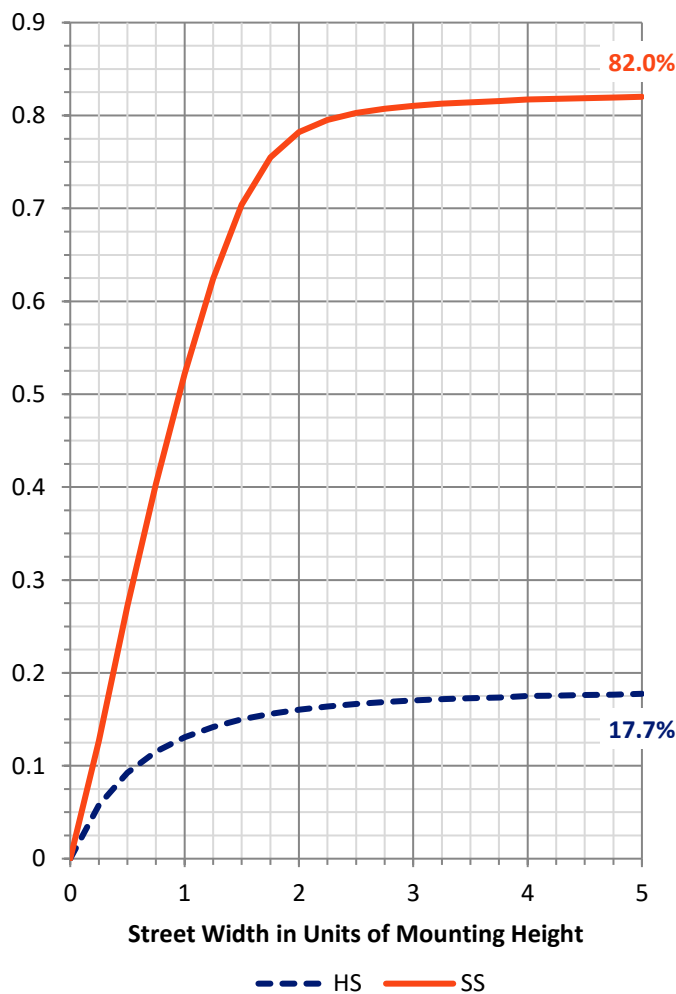
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2537.0	0.0	2537.0
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	11620.2	0.0	11620.2
	% Fixture	82.1	0.0	82.1
Total	Lumens	14157.2	0.0	14157.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.8	1.2
10°-20°	545.9	3.9
20°-30°	967.0	6.8
30°-40°	1455.4	10.3
40°-50°	2201.9	15.6
50°-60°	3154.3	22.3
60°-70°	3486.7	24.6
70°-80°	1967.7	13.9
80°-90°	210.5	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°	14157.2	100.0
0°-180°	14157.2	100.0

Coefficient of Utilization



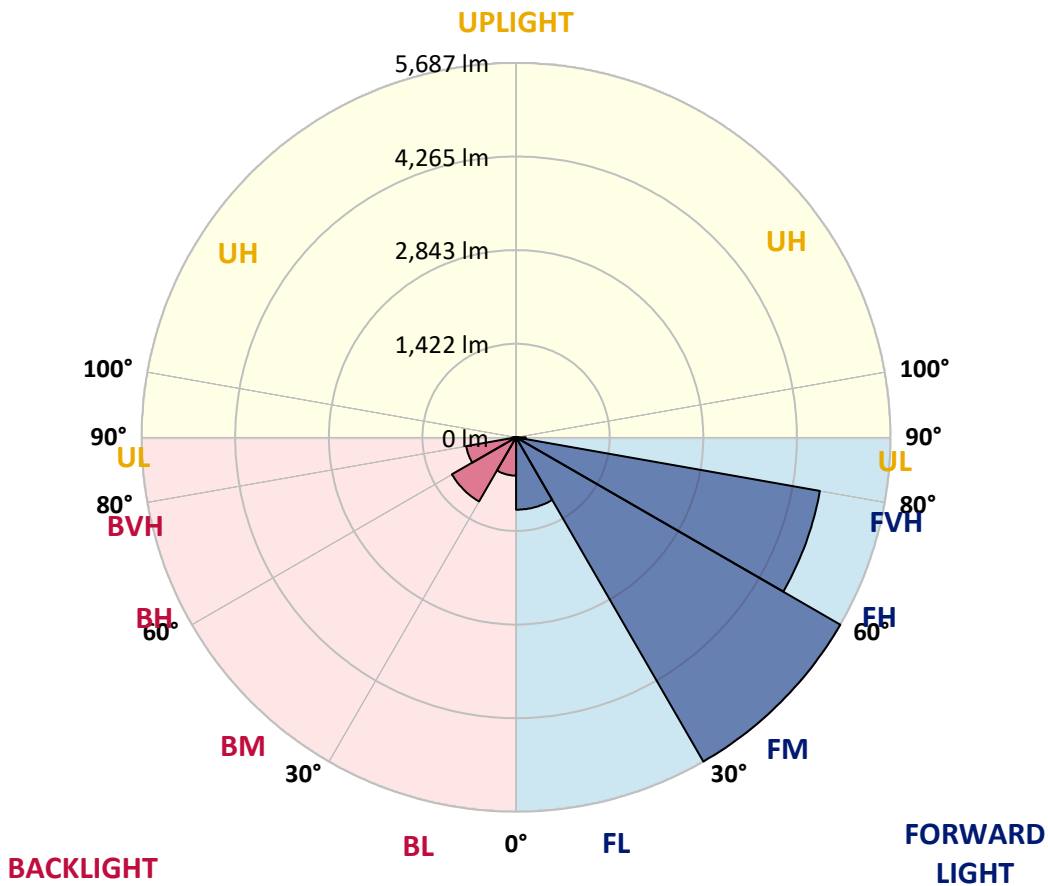
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1099.0	7.8			
FM (30°-60°)	5686.9	40.2			
FH (60°-80°)	4685.4	33.1			G2/5000
FVH (80°-90°)	148.8	1.1			G2/225
BL (0°-30°)	581.7	4.1	B2/1000		
BM (30°-60°)	1124.7	7.9	B2/2500		
BH (60°-80°)	769.0	5.4	B2/1000		G2/1000
BVH (80°-90°)	61.7	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-G2
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1651.0	1651.0	1651.0	1651.0	1651.0	1651.0	1651.0	1651.0	1651.0	1651.0	1651.0
2.5°	1829.0	1825.9	1828.0	1825.9	1814.7	1787.1	1764.6	1735.9	1716.5	1705.2	1678.6
5°	2043.8	2040.8	2033.6	2023.4	2002.9	1965.1	1908.8	1846.4	1808.6	1779.9	1723.7
7.5°	2198.3	2198.3	2197.3	2185.0	2170.7	2130.8	2064.3	1982.5	1927.2	1878.1	1786.1
10°	2277.1	2282.2	2289.3	2306.7	2303.7	2282.2	2219.8	2131.8	2062.2	2005.0	1867.9
12.5°	2320.0	2323.1	2335.4	2371.2	2408.0	2413.1	2376.3	2284.2	2208.5	2131.8	1958.9
15°	2375.3	2376.3	2392.7	2435.6	2489.8	2544.0	2534.8	2442.8	2365.0	2280.1	2060.2
17.5°	2418.2	2425.4	2455.1	2505.2	2572.7	2647.4	2692.4	2635.1	2538.9	2441.8	2170.7
20°	2433.6	2438.7	2477.6	2554.3	2646.3	2751.7	2852.0	2836.6	2739.4	2624.9	2295.5
22.5°	2488.8	2488.8	2517.5	2581.9	2690.3	2843.8	3006.4	3046.3	2960.4	2826.4	2429.5
25°	2610.5	2606.4	2619.7	2646.3	2728.2	2917.4	3158.8	3278.5	3182.4	3032.0	2563.5
27.5°	2777.3	2775.2	2774.2	2778.3	2805.9	2981.9	3287.7	3495.4	3399.2	3229.4	2683.2
30°	2958.3	2952.2	2965.5	2953.2	2947.1	3058.6	3397.2	3689.7	3615.1	3424.8	2782.4
32.5°	3204.9	3193.6	3190.5	3150.7	3126.1	3178.3	3485.2	3910.7	3851.4	3635.5	2893.9
35°	3530.2	3519.9	3467.8	3404.3	3331.7	3356.3	3594.6	4126.5	4130.6	3899.4	3040.2
37.5°	3858.5	3860.6	3819.7	3670.3	3595.6	3581.3	3761.3	4389.4	4477.4	4214.5	3229.4
40°	4131.6	4143.9	4143.9	3986.4	3874.9	3861.6	3995.6	4701.4	4876.3	4601.2	3468.8
42.5°	4339.3	4350.6	4386.4	4272.8	4155.2	4201.2	4280.0	5014.4	5328.5	5078.9	3771.6
45°	4567.4	4576.6	4596.1	4530.6	4462.1	4584.8	4602.2	5388.8	5846.1	5614.9	4123.5
47.5°	4870.2	4862.0	4864.1	4816.0	4762.8	4961.3	4957.2	5703.9	6346.3	6202.1	4505.0
50°	5246.7	5262.0	5247.7	5152.5	5090.1	5271.2	5294.7	6052.7	6786.2	6783.1	4889.6
52.5°	5608.8	5614.9	5690.6	5694.7	5566.8	5529.0	5590.4	6404.6	7157.5	7315.0	5258.9
55°	5627.2	5650.7	5877.8	6041.5	6248.1	5944.3	5889.1	6740.1	7516.6	7835.7	5642.5
57.5°	5235.4	5273.2	5658.9	6011.8	6586.7	6657.3	6400.5	7173.9	7875.6	8348.2	6086.5
60°	4398.6	4477.4	5001.1	5541.3	6434.3	7169.8	7447.0	7763.1	8347.2	8871.9	6625.6
62.5°	2809.0	2839.7	3574.1	4478.4	5747.9	7119.7	8586.5	8801.4	9065.3	9554.2	7456.2
65°	1406.5	1504.7	1935.4	2672.9	4144.9	6273.7	9162.5	10703.0	10379.8	10722.4	8802.4
67.5°	954.4	986.1	1204.0	1606.0	2430.5	4444.7	8805.5	12304.9	12209.8	12266.1	10237.6
70°	703.8	724.2	896.1	1137.5	1470.0	2523.6	7010.2	12184.2	12833.8	12813.3	10087.2
72.5°	513.5	523.7	653.7	868.5	1089.4	1305.3	4281.0	9842.7	11203.2	11793.5	8821.8
75°	373.4	385.6	454.2	649.6	847.0	814.3	2113.4	7109.4	8543.6	9679.0	7187.2
77.5°	278.2	293.6	325.3	407.1	593.3	583.1	913.5	4616.5	5525.9	6321.8	4365.9
80°	200.5	203.6	222.0	260.8	376.4	341.7	434.7	2407.0	2759.9	3023.8	1711.4
82.5°	121.7	124.8	148.3	160.6	233.2	214.8	226.1	779.5	1117.0	1185.6	639.3
85°	35.8	37.8	67.5	73.7	97.2	92.1	91.0	317.1	378.5	483.8	251.6
87.5°	0.0	0.0	0.0	0.0	1.0	6.1	11.3	56.3	84.9	117.6	61.4
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°	1651.0	1651.0	1651.0	1651.0	1651.0	1651.0	1651.0	1651.0	1651.0	1651.0	1651.0
2.5°	1668.4	1644.9	1632.6	1611.1	1595.8	1580.4	1565.1	1550.8	1544.6	1535.4	1537.5
5°	1698.1	1661.3	1624.4	1582.5	1546.7	1517.0	1490.4	1466.9	1456.7	1447.5	1451.5
7.5°	1743.1	1687.8	1617.3	1540.5	1484.3	1443.4	1415.7	1399.4	1394.3	1387.1	1387.1
10°	1800.4	1717.5	1593.7	1484.3	1416.8	1384.0	1371.8	1370.7	1375.9	1376.9	1374.8
12.5°	1863.8	1746.2	1559.0	1417.8	1360.5	1350.3	1359.5	1376.9	1394.3	1403.5	1401.4
15°	1929.3	1764.6	1499.6	1354.4	1319.6	1332.9	1362.6	1397.3	1431.1	1448.5	1447.5
17.5°	1990.6	1768.7	1422.9	1293.0	1283.8	1317.5	1368.7	1422.9	1468.9	1493.5	1494.5
20°	2059.2	1761.5	1344.1	1237.8	1248.0	1303.2	1370.7	1436.2	1490.4	1515.0	1521.1
22.5°	2121.6	1736.9	1267.4	1185.6	1217.3	1285.8	1354.4	1415.7	1463.8	1487.4	1495.5
25°	2177.8	1689.9	1183.5	1141.6	1193.8	1261.3	1313.5	1356.4	1390.2	1404.5	1415.7
27.5°	2208.5	1619.3	1120.1	1106.8	1171.3	1226.5	1255.1	1268.4	1279.7	1275.6	1283.8
30°	2214.7	1531.3	1064.9	1079.2	1137.5	1178.4	1184.6	1171.3	1151.8	1120.1	1127.3
32.5°	2208.5	1430.1	1018.8	1049.5	1099.7	1124.2	1116.0	1081.2	1034.2	985.1	988.2
35°	2210.6	1327.8	981.0	1016.8	1055.7	1069.0	1048.5	1000.4	950.3	905.3	903.3
37.5°	2233.1	1241.8	949.3	985.1	1012.7	1014.8	992.3	942.1	916.6	882.8	878.7
40°	2295.5	1178.4	920.6	953.4	970.8	969.7	944.2	908.4	925.8	914.5	911.4
42.5°	2397.8	1139.6	897.1	919.6	931.9	933.9	913.5	891.0	928.8	914.5	909.4
45°	2562.5	1137.5	880.8	885.9	905.3	919.6	905.3	879.7	894.0	824.5	811.2
47.5°	2757.8	1172.3	868.5	856.2	890.0	915.5	893.0	852.1	822.4	759.0	749.8
50°	2993.1	1242.9	857.2	824.5	867.5	900.2	877.7	821.4	776.4	742.7	737.5
52.5°	3272.4	1336.0	842.9	788.7	833.7	892.0	877.7	818.4	759.0	728.3	723.2
55°	3564.9	1443.4	826.5	745.7	795.8	894.0	884.8	796.9	745.7	729.4	725.3
57.5°	3928.1	1572.3	796.9	695.6	762.1	875.6	856.2	784.6	736.5	723.2	719.1
60°	4399.7	1763.5	740.6	644.5	723.2	842.9	830.6	764.1	712.0	700.7	697.6
62.5°	5146.4	2087.8	672.1	595.4	677.2	774.4	792.8	725.3	681.3	680.3	679.2
65°	6363.7	2477.6	591.3	551.4	629.1	718.1	742.7	685.4	649.6	660.8	659.8
67.5°	7216.8	2511.3	524.8	505.3	572.8	656.7	692.5	644.5	605.6	627.1	626.0
70°	6610.2	1958.9	467.5	457.3	512.5	590.2	638.3	593.3	554.4	574.9	570.8
72.5°	5575.0	1501.7	413.3	407.1	451.1	520.7	568.8	542.2	501.2	501.2	492.0
75°	4480.5	1238.8	356.0	352.9	382.6	450.1	504.3	459.3	421.5	419.4	413.3
77.5°	2569.6	812.2	298.7	296.7	305.9	376.4	391.8	382.6	353.9	340.6	336.5
80°	1024.0	422.5	235.3	222.0	231.2	276.2	308.9	293.6	269.0	252.7	243.5
82.5°	396.9	211.7	165.7	145.3	158.6	199.5	224.0	218.9	202.5	165.7	155.5
85°	161.6	103.3	99.2	83.9	92.1	107.4	128.9	111.5	92.1	65.5	62.4
87.5°	43.0	37.8	36.8	22.5	17.4	5.1	1.0	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)