

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: P632450

Luminaire Tested: GWS-SA2C-760-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-760-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5856.5 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

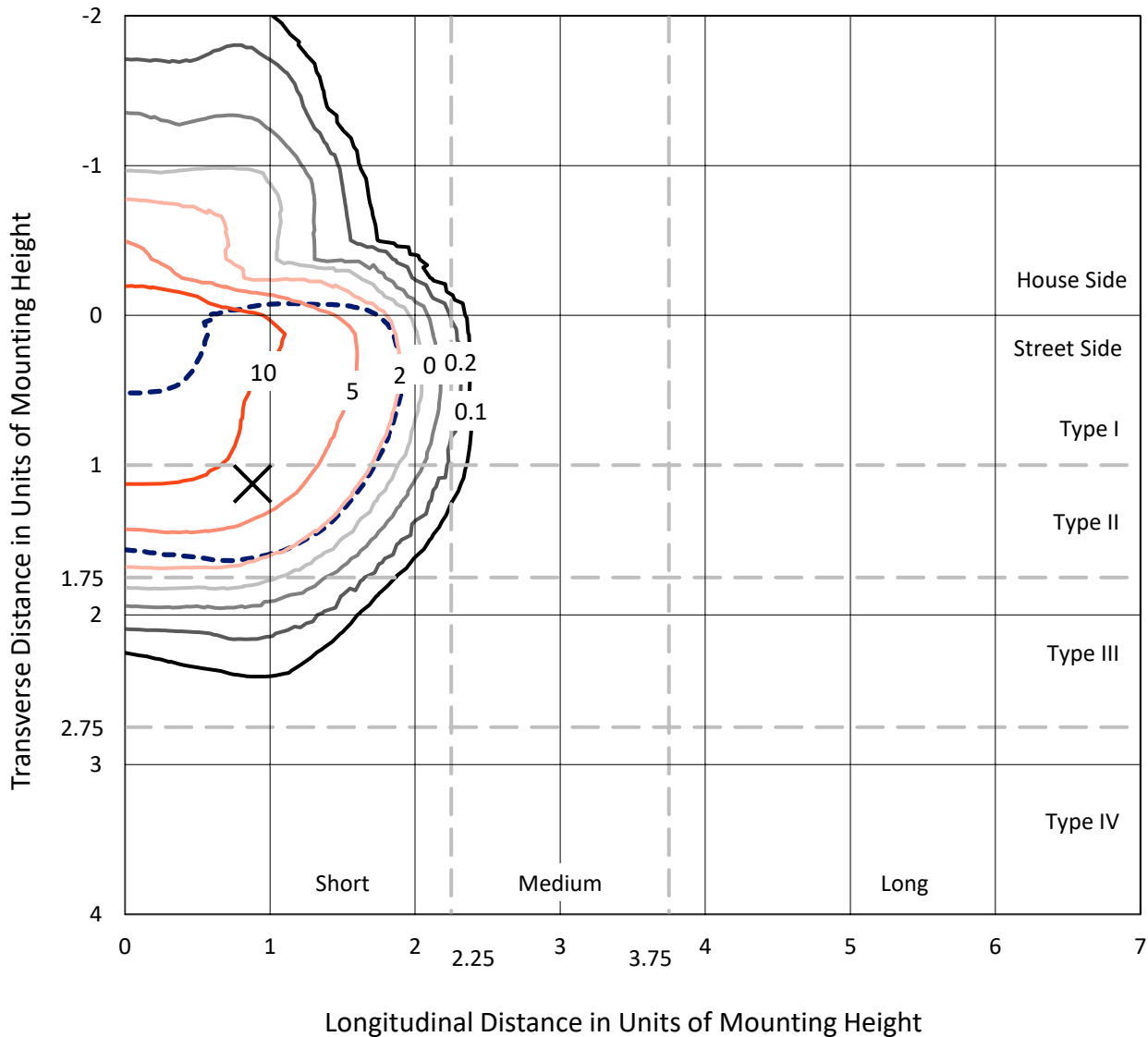
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

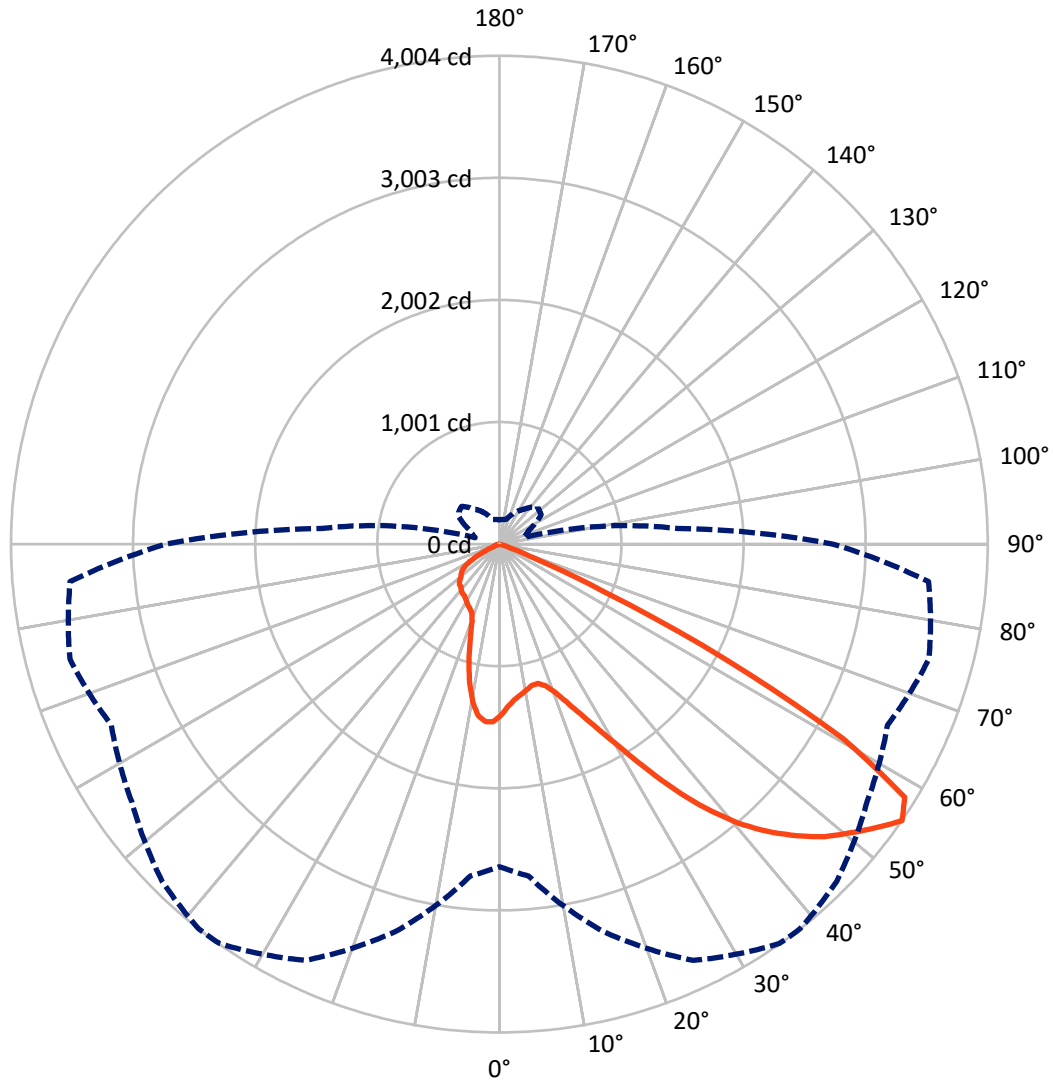
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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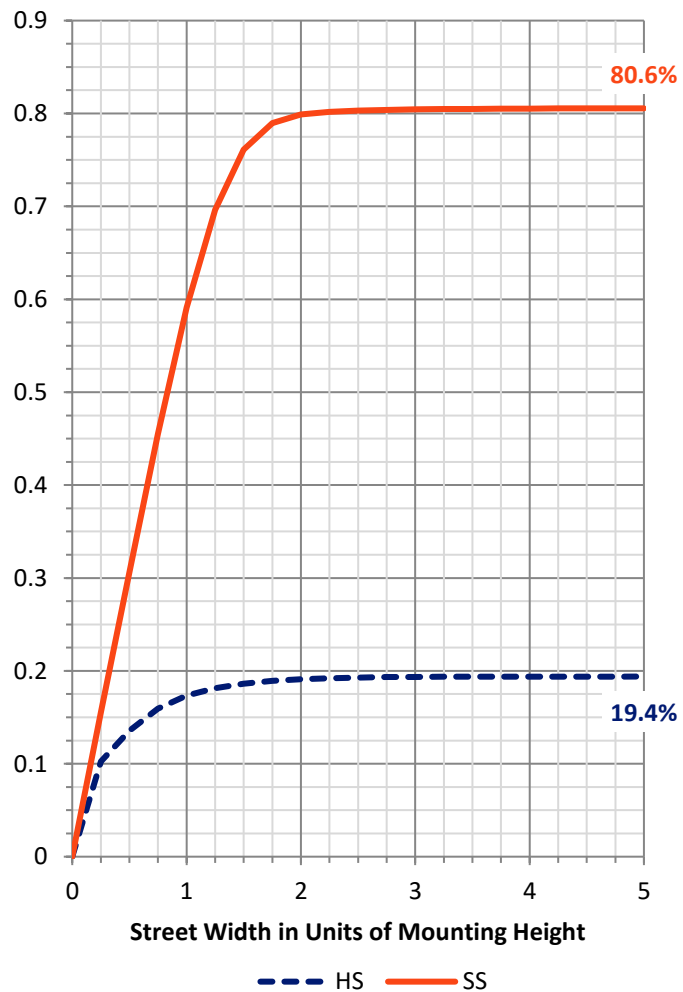
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1141.0	0.0	1141.0
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	4715.5	0.0	4715.5
	% Fixture	80.5	0.0	80.5
Total	Lumens	5856.5	0.0	5856.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.9	2.2
10°-20°	349.6	6.0
20°-30°	599.9	10.2
30°-40°	995.0	17.0
40°-50°	1462.7	25.0
50°-60°	1709.2	29.2
60°-70°	579.4	9.9
70°-80°	29.6	0.5
80°-90°	1.2	0.0
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°	5856.5	100.0
0°-180°	5856.5	100.0

Coefficient of Utilization



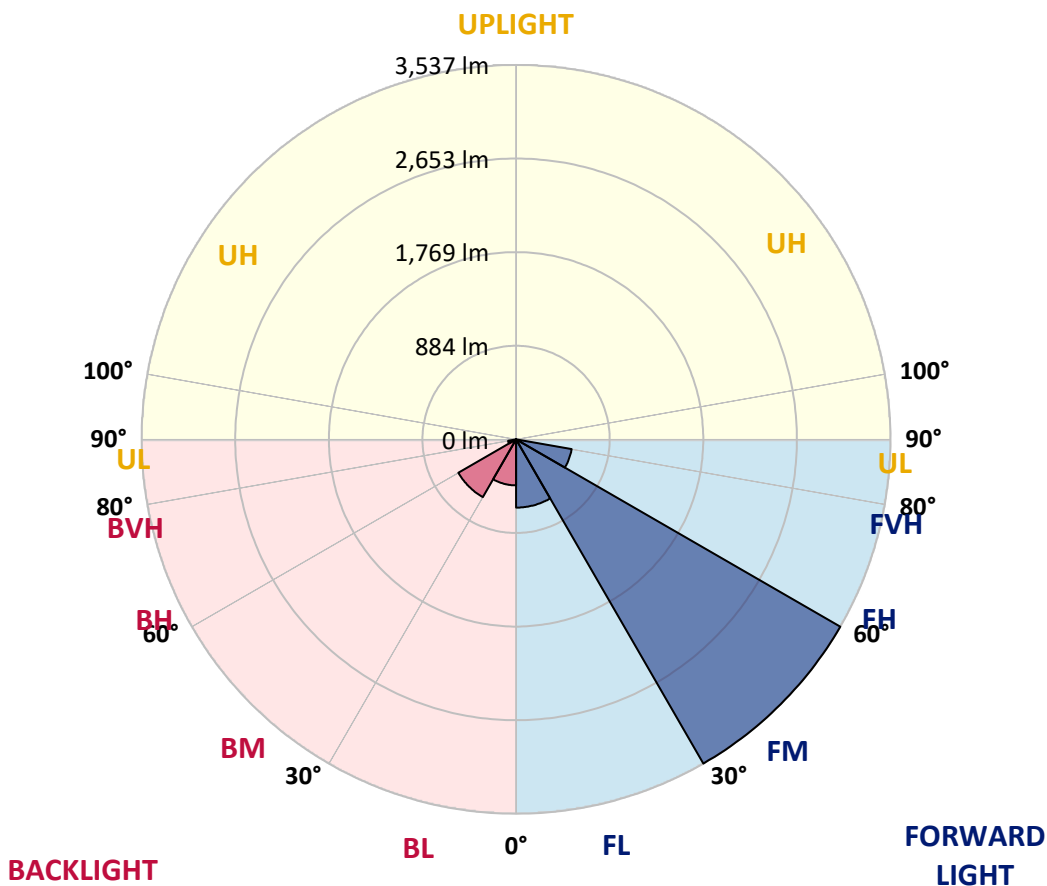
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	644.7	11.0			
FM (30°-60°)	3537.2	60.4			
FH (60°-80°)	533.0	9.1			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	434.7	7.4	B1/500		
BM (30°-60°)	629.8	10.8	B1/1000		
BH (60°-80°)	76.0	1.3	B0/110		G0/110
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	1404.4	1404.4	1404.4	1404.4	1404.4	1404.4	1404.4	1404.4	1404.4	1404.4	1404.4
2.5°	1308.0	1305.4	1310.7	1321.4	1331.5	1334.8	1344.9	1358.9	1367.6	1388.4	1405.1
5°	1249.1	1247.8	1253.1	1262.5	1275.9	1280.6	1296.0	1319.4	1342.8	1379.0	1414.5
7.5°	1195.6	1194.9	1202.9	1223.7	1243.1	1249.1	1267.9	1296.7	1328.1	1383.7	1435.9
10°	1125.3	1126.0	1141.4	1170.8	1206.3	1218.3	1248.5	1290.0	1330.8	1402.4	1474.7
12.5°	1102.5	1103.9	1111.9	1134.7	1173.5	1188.9	1231.1	1294.0	1346.2	1429.2	1524.9
15°	1158.1	1158.1	1151.4	1154.1	1171.5	1185.5	1229.7	1307.4	1372.3	1461.3	1574.5
17.5°	1265.9	1261.8	1245.1	1222.4	1216.3	1221.0	1256.5	1336.2	1409.1	1498.8	1630.7
20°	1411.8	1413.1	1380.3	1332.8	1294.6	1294.0	1315.4	1387.0	1462.0	1543.7	1691.6
22.5°	1588.5	1583.2	1539.7	1474.7	1408.5	1403.1	1411.8	1464.7	1538.3	1614.6	1766.6
25°	1793.4	1790.7	1729.1	1642.1	1554.4	1541.7	1541.7	1593.9	1647.4	1715.7	1856.3
27.5°	2007.6	2007.6	1948.0	1847.6	1731.1	1708.3	1705.0	1766.6	1802.1	1815.5	1931.9
30°	2227.8	2225.1	2166.2	2063.1	1938.6	1915.2	1905.8	1951.3	1976.8	1936.6	2026.3
32.5°	2451.4	2456.1	2396.5	2300.8	2189.7	2174.3	2145.5	2145.5	2166.2	2110.0	2174.9
35°	2691.7	2690.4	2643.5	2578.6	2483.5	2466.1	2418.6	2344.3	2375.8	2351.0	2380.4
37.5°	2903.9	2914.0	2891.2	2843.0	2766.0	2748.6	2670.3	2535.7	2559.8	2598.7	2624.8
40°	3119.5	3127.5	3150.3	3134.9	3037.8	3005.7	2866.4	2645.5	2672.3	2805.5	2880.5
42.5°	3331.0	3335.0	3381.2	3406.7	3276.8	3220.6	3015.0	2712.5	2740.6	2967.5	3098.7
45°	3465.6	3474.3	3550.6	3628.2	3487.7	3410.7	3144.2	2798.2	2810.2	3080.0	3260.1
47.5°	3460.2	3480.3	3623.5	3764.8	3669.1	3586.1	3299.5	2935.4	2915.3	3185.7	3366.5
50°	3352.4	3376.5	3582.0	3806.3	3799.6	3722.6	3472.3	3134.2	3071.3	3279.5	3379.9
52.5°	3128.8	3198.5	3509.1	3811.7	3904.7	3865.9	3685.8	3402.0	3282.1	3414.0	3401.3
55°	2645.5	2731.2	3287.5	3766.1	3999.8	4004.4	3910.1	3681.1	3511.1	3645.6	3533.2
57.5°	2008.2	2076.5	2530.4	3352.4	3842.4	3919.4	3997.1	3828.4	3652.3	3803.6	3564.0
60°	1210.3	1289.3	1584.5	2460.1	3103.4	3234.6	3539.2	3506.4	3294.2	3359.1	2922.7
62.5°	490.7	532.2	731.7	1355.6	1953.4	2075.9	2367.7	2417.3	2365.0	2298.8	1772.6
65°	179.4	196.1	293.2	560.3	898.4	943.2	1097.2	1184.9	1257.2	1070.4	659.4
67.5°	111.1	121.8	190.8	287.8	326.7	303.9	309.3	368.8	352.1	217.6	117.8
70°	82.3	91.0	149.3	199.5	131.9	101.8	68.9	73.6	66.3	58.2	57.6
72.5°	56.9	64.9	111.8	117.8	50.9	36.1	25.4	35.5	40.2	39.5	40.8
75°	37.5	43.5	70.3	46.2	12.7	10.0	8.7	18.7	24.1	24.1	24.8
77.5°	22.1	25.4	24.8	9.4	2.7	2.7	2.0	3.3	5.4	6.0	7.4
80°	2.7	2.0	1.3	1.3	1.3	1.3	1.3	1.3	2.0	2.0	2.0
82.5°	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	2.0	2.0
85°	0.0	0.0	0.7	0.7	1.3	1.3	1.3	1.3	1.3	2.0	2.0
87.5°	0.0	0.0	0.7	0.7	1.3	1.3	1.3	1.3	1.3	2.0	2.0
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°	1404.4	1404.4	1404.4	1404.4	1404.4	1404.4	1404.4	1404.4	1404.4	1404.4	1404.4
2.5°	1417.8	1413.1	1432.5	1446.6	1458.0	1463.3	1456.0	1455.3	1455.3	1440.6	1436.6
5°	1434.6	1436.6	1464.0	1476.1	1478.1	1471.4	1454.6	1443.3	1436.6	1421.2	1412.5
7.5°	1466.7	1473.4	1499.5	1497.5	1479.4	1448.6	1404.4	1370.3	1348.2	1324.1	1309.4
10°	1512.9	1525.6	1541.7	1513.5	1456.0	1377.7	1286.6	1221.7	1182.9	1155.4	1138.7
12.5°	1569.1	1581.8	1576.5	1510.2	1390.4	1250.5	1133.3	1039.6	994.8	970.0	952.6
15°	1626.0	1634.0	1599.2	1470.0	1274.6	1086.5	955.9	862.9	808.0	787.9	773.2
17.5°	1684.2	1682.2	1603.2	1391.0	1119.9	901.7	773.2	709.6	694.2	690.8	689.5
20°	1745.2	1727.1	1587.2	1277.9	933.8	719.0	646.0	650.0	678.1	691.5	694.2
22.5°	1814.8	1769.3	1547.0	1124.6	743.7	599.1	606.5	646.0	684.1	702.2	704.9
25°	1889.1	1808.1	1480.1	927.8	586.4	550.9	594.4	640.0	680.8	702.9	705.6
27.5°	1938.0	1817.5	1370.3	729.7	503.4	532.2	578.4	621.9	664.1	688.2	691.5
30°	1990.8	1813.4	1221.0	562.3	475.3	516.1	556.3	595.8	634.6	661.4	664.1
32.5°	2068.5	1810.8	1038.9	456.5	463.9	503.4	532.9	565.7	592.4	607.8	605.8
35°	2170.2	1807.4	826.7	411.7	457.2	493.4	516.8	532.2	502.7	493.4	495.4
37.5°	2300.8	1815.5	648.0	392.9	455.2	490.7	510.8	466.6	421.1	403.7	401.0
40°	2445.4	1836.2	494.0	385.6	461.9	497.4	488.0	415.0	358.8	324.7	317.3
42.5°	2590.6	1859.0	390.9	382.9	473.3	516.1	450.5	377.6	293.2	273.8	271.1
45°	2698.4	1855.0	338.1	378.2	483.3	526.8	440.5	324.0	261.7	253.0	253.7
47.5°	2752.6	1810.8	309.3	367.5	487.3	516.1	415.7	301.9	240.3	249.7	257.7
50°	2723.9	1696.3	282.5	346.8	478.6	502.1	376.2	285.2	229.6	268.4	286.5
52.5°	2689.0	1555.7	253.0	314.6	457.9	482.6	360.8	280.5	222.9	259.1	272.5
55°	2735.2	1466.7	204.8	265.1	417.0	437.1	348.8	279.8	207.5	201.5	199.5
57.5°	2670.3	1289.3	146.6	190.8	320.0	346.1	340.1	275.1	184.1	183.4	186.1
60°	2063.8	786.6	100.4	121.2	196.1	220.9	308.6	263.1	158.7	145.9	146.6
62.5°	1172.8	334.7	68.9	75.0	100.4	119.2	235.6	239.0	146.6	139.2	146.6
65°	408.3	119.8	53.6	50.2	55.6	63.6	135.2	184.8	133.2	120.5	121.8
67.5°	84.3	59.6	47.5	41.5	41.5	41.5	68.9	115.1	109.8	95.7	97.1
70°	53.6	50.9	41.5	35.5	34.1	31.5	39.5	63.6	75.6	69.6	70.3
72.5°	39.5	38.8	32.8	28.8	25.4	22.8	24.8	31.5	38.8	40.2	40.8
75°	24.1	24.8	21.4	18.1	16.1	14.1	14.7	14.7	14.7	13.4	14.7
77.5°	7.4	8.0	6.7	5.4	4.7	4.7	4.7	4.0	3.3	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	1.3	1.3	0.7	0.7	0.0	0.0
82.5°	2.0	2.0	2.0	2.0	1.3	1.3	0.7	0.7	0.0	0.0	0.0
85°	2.0	2.0	2.0	2.0	1.3	1.3	0.7	0.7	0.0	0.0	0.0
87.5°	2.0	2.0	2.0	2.0	1.3	1.3	0.7	0.7	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)