

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: P635078

Luminaire Tested: GWS-SA3D-722-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635078
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-722-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7699.9 lumens
Efficiency: N/A
Efficacy: 63.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

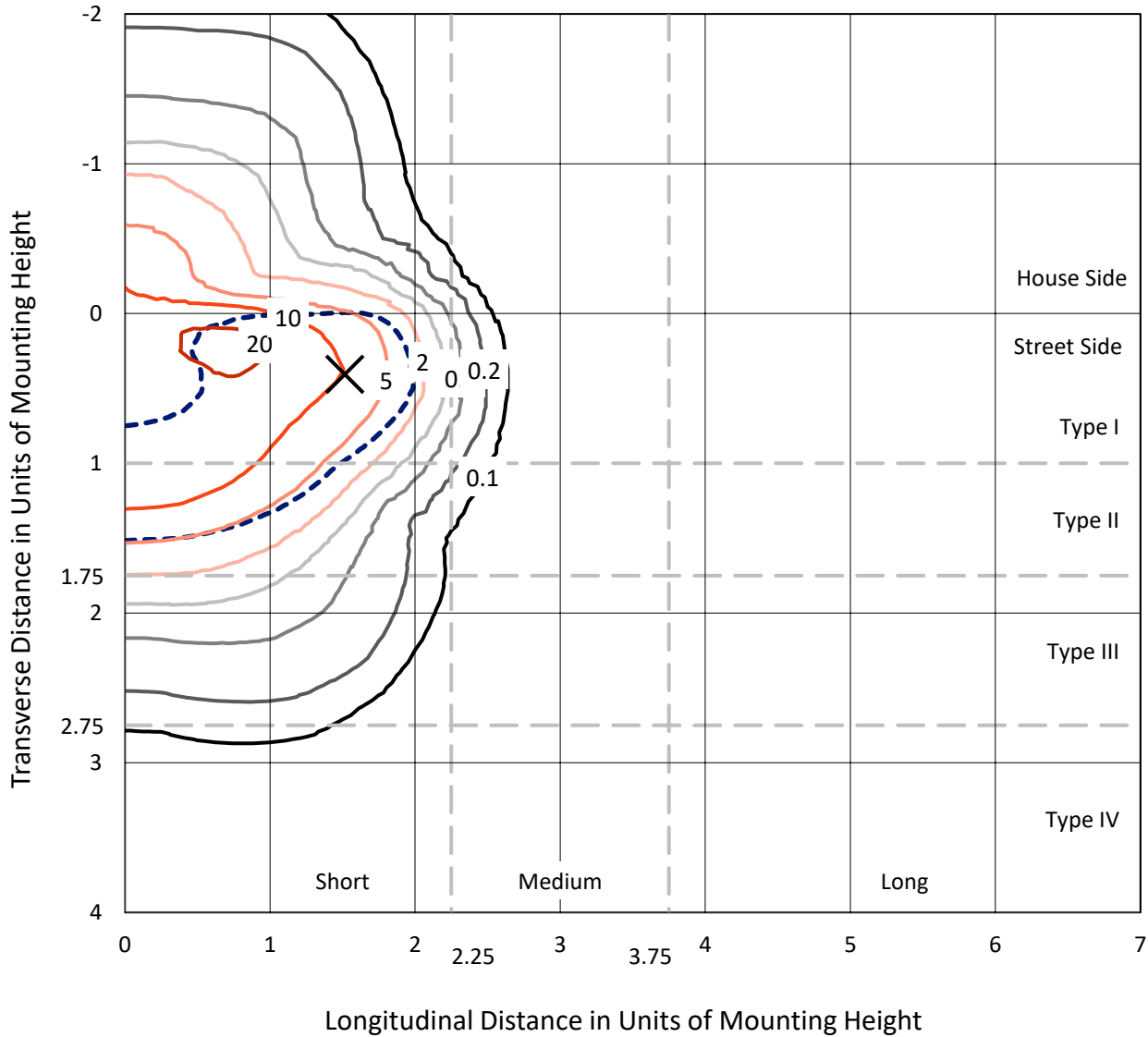
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

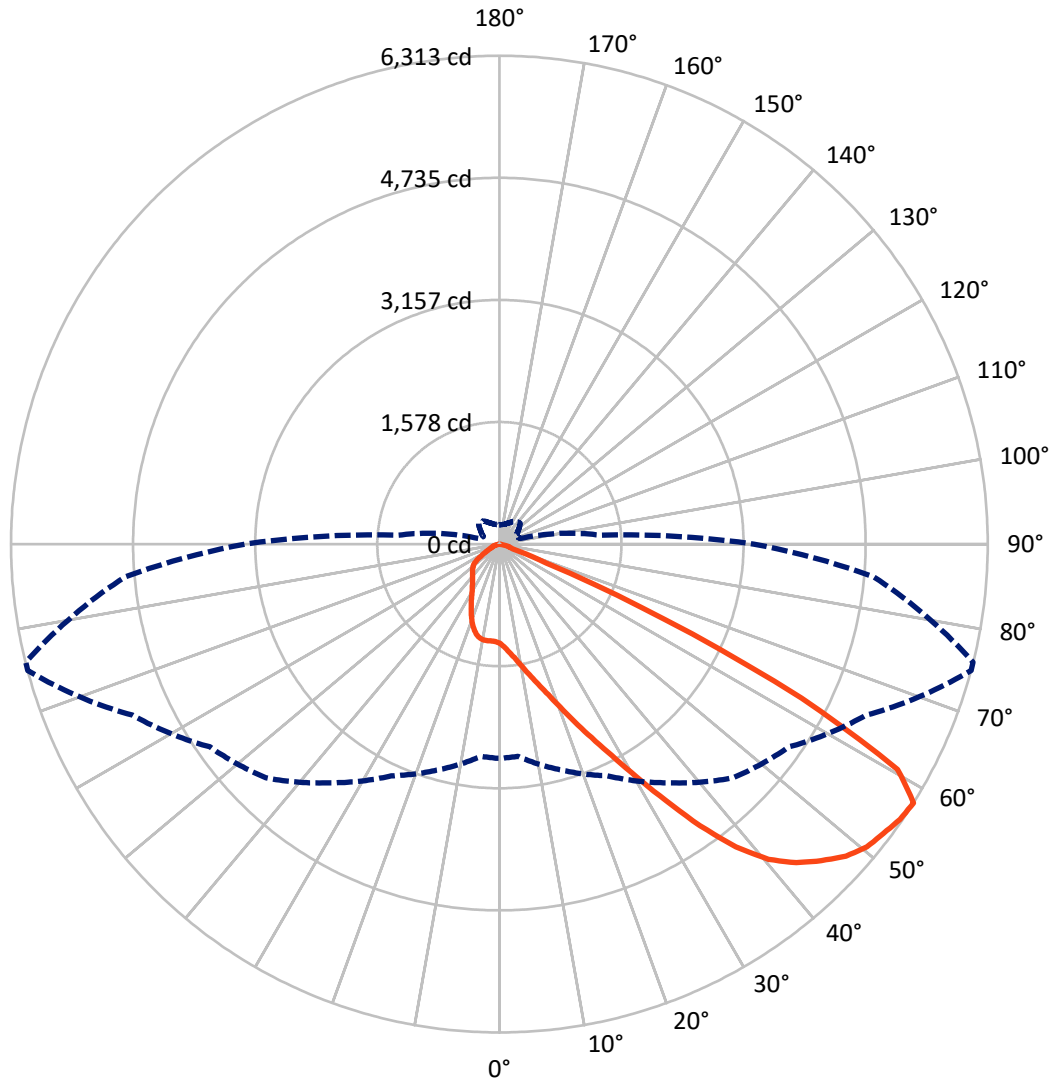
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24 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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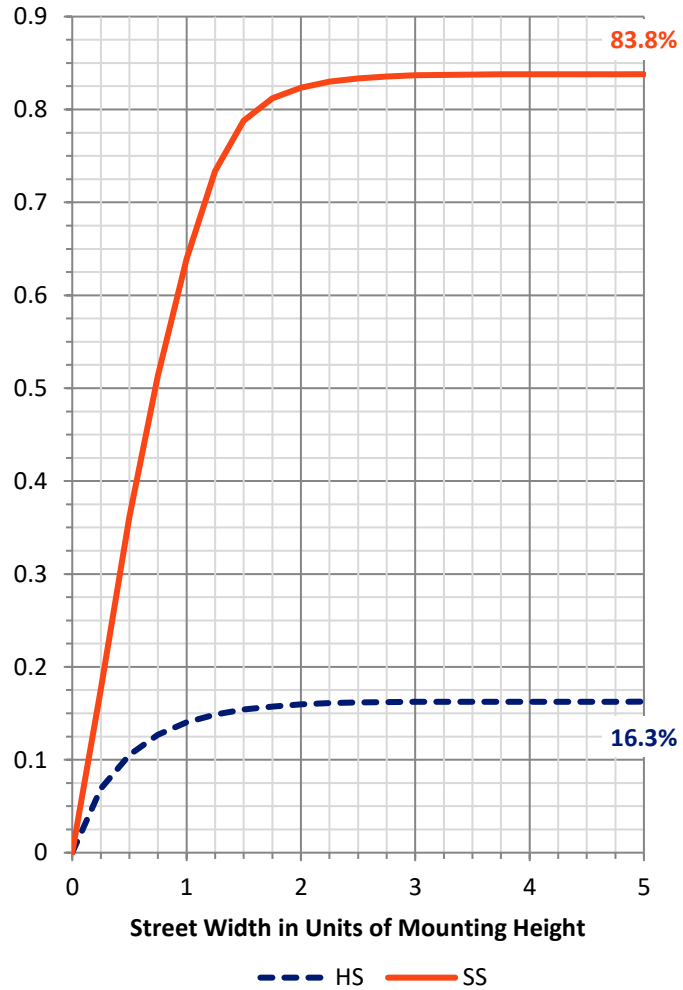
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1257.8	0.0	1257.8
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	6442.1	0.0	6442.1
	% Fixture	83.7	0.0	83.7
Total	Lumens	7699.9	0.0	7699.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.7	1.7
10°-20°	424.5	5.5
20°-30°	777.4	10.1
30°-40°	1289.7	16.8
40°-50°	1969.8	25.6
50°-60°	2213.3	28.7
60°-70°	816.4	10.6
70°-80°	78.0	1.0
80°-90°	0.1	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°	7699.9	100.0
0°-180°	7699.9	100.0

Coefficient of Utilization



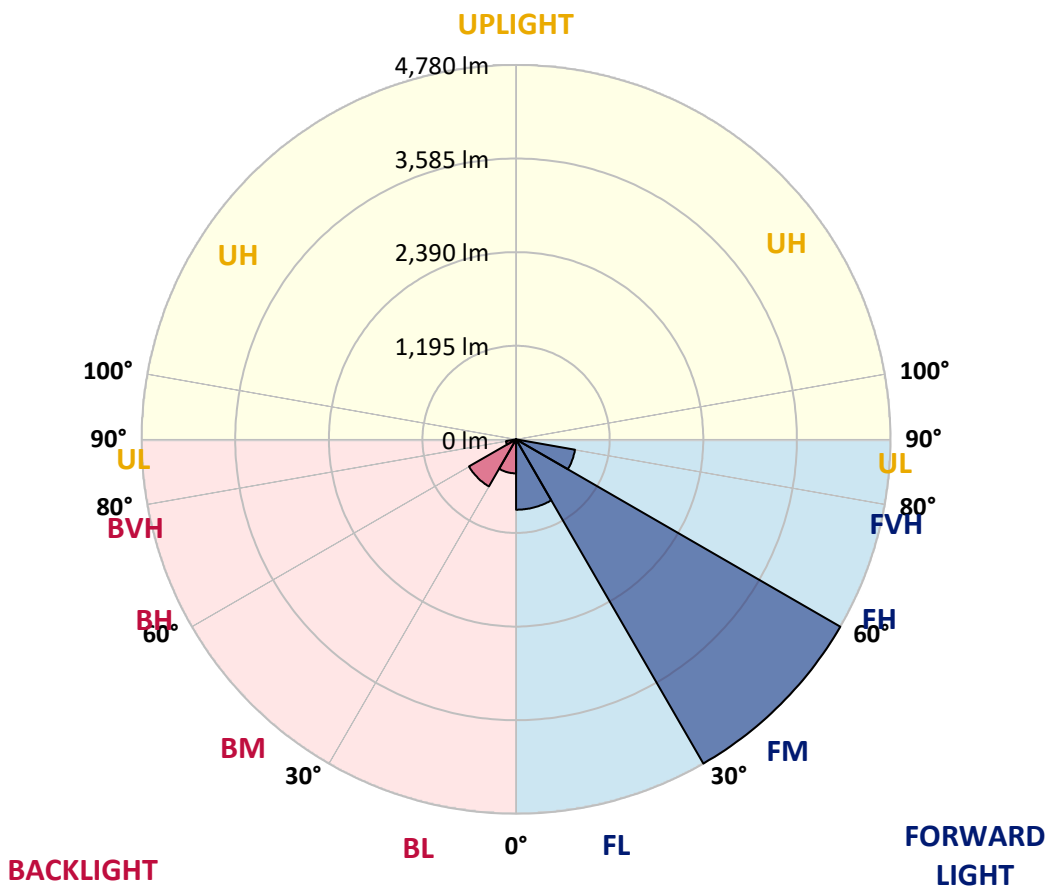
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	898.6	11.7			
FM (30°-60°)	4779.7	62.1			
FH (60°-80°)	763.8	9.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	434.0	5.6	B1/500		
BM (30°-60°)	693.1	9.0	B1/1000		
BH (60°-80°)	130.6	1.7	B1/500		G1/500
BVH (80°-90°)	0.0	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-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2
2.5°	1434.8	1449.6	1445.0	1435.7	1430.1	1410.6	1398.5	1363.2	1338.1	1335.3	1312.1
5°	1616.0	1613.2	1609.5	1598.3	1589.0	1558.4	1522.1	1462.7	1409.7	1403.2	1353.9
7.5°	1715.4	1717.3	1719.1	1717.3	1710.8	1687.5	1647.6	1577.9	1497.0	1491.5	1413.4
10°	1756.3	1760.0	1769.3	1787.0	1802.8	1800.9	1777.7	1706.1	1606.7	1597.4	1492.4
12.5°	1775.8	1780.5	1795.3	1828.8	1871.5	1905.0	1908.7	1844.6	1734.9	1720.1	1586.2
15°	1802.8	1807.4	1826.0	1869.7	1931.9	1997.9	2040.7	1999.8	1877.1	1861.3	1689.4
17.5°	1814.8	1821.3	1848.3	1905.9	1986.8	2088.0	2184.7	2181.0	2045.3	2033.2	1809.3
20°	1838.1	1842.7	1866.9	1929.1	2026.7	2172.6	2335.2	2393.8	2250.7	2233.0	1954.2
22.5°	1911.5	1913.3	1924.5	1963.5	2054.6	2233.9	2488.6	2641.9	2493.2	2470.0	2116.9
25°	2031.4	2030.4	2035.1	2041.6	2108.5	2296.2	2636.3	2921.6	2771.1	2746.0	2300.8
27.5°	2183.8	2183.8	2194.9	2176.3	2203.3	2373.3	2782.2	3243.1	3094.4	3059.1	2502.5
30°	2363.1	2362.2	2388.2	2358.5	2366.8	2495.1	2939.2	3593.4	3484.7	3441.0	2734.8
32.5°	2606.6	2601.0	2630.7	2589.8	2562.0	2679.1	3130.7	3959.6	3952.1	3885.2	3026.6
35°	2914.2	2904.9	2914.2	2874.2	2824.0	2936.5	3381.6	4324.8	4470.7	4400.0	3374.1
37.5°	3219.9	3249.6	3259.8	3191.1	3150.2	3262.6	3683.6	4651.9	4966.0	4892.5	3735.6
40°	3580.4	3571.1	3606.5	3529.3	3503.3	3627.8	3979.1	4895.3	5358.1	5288.4	4057.1
42.5°	3846.2	3862.9	3906.6	3863.9	3843.4	3960.5	4227.2	5037.5	5630.4	5561.6	4286.7
45°	4164.9	4177.0	4193.7	4158.4	4137.1	4252.3	4406.5	5099.8	5837.6	5763.3	4440.9
47.5°	4509.7	4519.0	4519.0	4446.5	4377.7	4425.1	4526.4	5135.1	6028.1	5956.6	4555.2
50°	4756.9	4761.5	4802.4	4751.3	4601.7	4528.3	4581.2	5169.5	6154.5	6087.6	4592.4
52.5°	4537.6	4532.0	4666.7	4772.7	4812.6	4666.7	4676.0	5219.6	6215.8	6158.2	4622.1
55°	3821.1	3811.8	4001.4	4258.8	4611.0	4797.8	4790.3	5249.4	6283.7	6248.3	4729.9
57.5°	2770.1	2754.3	3018.2	3304.4	3766.3	4272.7	4570.1	5232.7	6313.4	6310.6	4855.4
60°	1665.2	1652.2	1901.3	2202.3	2559.2	3068.4	3561.9	4687.2	5915.7	5921.2	4529.2
62.5°	1025.0	1037.1	1261.9	1415.3	1548.1	1701.5	1986.8	3153.0	4382.4	4418.6	3182.7
65°	689.5	698.8	907.0	1100.2	1100.2	899.5	772.2	1507.3	2338.0	2276.7	1505.4
67.5°	462.8	473.0	637.5	863.3	895.8	627.2	313.2	449.8	651.4	631.9	372.6
70°	272.3	283.4	424.7	591.9	652.3	436.8	209.1	190.5	184.9	179.3	145.0
72.5°	121.7	126.4	216.5	301.1	275.1	184.0	147.8	152.4	144.0	141.2	118.0
75°	37.2	39.0	55.8	65.0	66.0	66.0	89.2	119.9	113.4	114.3	91.1
77.5°	9.3	9.3	14.9	13.9	7.4	6.5	16.7	26.9	27.9	25.1	18.6
80°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2
2.5°	1301.9	1277.7	1261.9	1239.6	1223.8	1207.1	1192.2	1180.2	1173.7	1171.8	1172.7
5°	1331.6	1293.5	1256.4	1213.6	1183.9	1156.0	1133.7	1116.0	1107.7	1104.9	1104.9
7.5°	1377.2	1324.2	1258.2	1191.3	1141.1	1097.5	1071.4	1051.9	1044.5	1042.6	1037.1
10°	1436.6	1364.2	1255.4	1151.4	1080.7	1035.2	1016.6	1011.0	1013.8	1014.8	1013.8
12.5°	1508.2	1406.0	1237.8	1092.8	1016.6	988.7	990.6	1005.5	1022.2	1030.5	1032.4
15°	1584.4	1444.1	1197.8	1023.1	961.8	960.9	987.8	1022.2	1054.7	1068.6	1072.4
17.5°	1669.9	1474.7	1136.5	948.8	914.4	941.3	989.7	1042.6	1086.3	1109.5	1114.2
20°	1763.7	1499.8	1058.4	879.1	872.6	920.9	987.8	1052.9	1106.7	1132.8	1137.4
22.5°	1861.3	1517.5	968.3	815.0	834.5	897.7	970.1	1033.3	1084.4	1114.2	1117.9
25°	1972.8	1519.3	876.3	761.1	799.2	866.1	927.4	979.4	1022.2	1048.2	1051.0
27.5°	2070.4	1497.0	794.5	717.4	766.6	827.0	867.9	896.7	926.5	941.3	942.3
30°	2182.8	1458.0	717.4	682.1	733.2	778.7	799.2	805.7	808.5	811.2	807.5
32.5°	2316.6	1410.6	659.8	647.7	695.1	725.8	731.3	718.3	702.5	680.2	674.6
35°	2481.1	1367.9	612.4	614.2	653.3	671.9	667.2	639.3	608.7	581.7	577.1
37.5°	2659.5	1331.6	576.1	581.7	607.7	620.7	606.8	576.1	562.2	539.0	539.9
40°	2817.5	1301.9	543.6	549.2	561.3	573.4	551.1	530.6	556.6	554.8	556.6
42.5°	2930.0	1276.8	515.7	513.0	521.3	529.7	513.0	502.7	546.4	534.3	540.8
45°	2995.9	1253.6	492.5	475.8	488.8	503.7	492.5	479.5	494.4	438.6	434.0
47.5°	3040.5	1240.6	472.1	439.5	462.8	488.8	465.6	434.0	412.6	364.3	360.6
50°	3045.2	1234.1	447.9	402.4	432.1	460.0	433.0	389.4	358.7	337.3	334.5
52.5°	3069.3	1247.1	414.4	355.0	387.5	432.1	413.5	369.8	328.0	309.4	305.7
55°	3177.1	1301.9	358.7	289.9	337.3	410.7	397.7	329.9	289.9	278.8	276.0
57.5°	3288.6	1313.0	282.5	229.5	293.6	380.1	363.3	303.9	264.8	251.8	249.0
60°	3007.1	1081.7	211.9	189.6	259.3	351.3	336.4	288.1	242.5	226.7	224.0
62.5°	1975.6	584.5	168.2	160.8	218.4	297.4	306.7	260.2	216.5	199.8	198.9
65°	910.7	271.3	129.2	127.3	171.0	237.0	263.9	227.7	183.1	168.2	168.2
67.5°	248.1	134.7	101.3	93.9	116.2	158.9	192.4	170.1	130.1	112.4	111.5
70°	123.6	108.7	91.1	80.8	83.6	98.5	113.4	94.8	66.0	53.9	53.0
72.5°	101.3	89.2	77.1	68.8	63.2	60.4	58.5	47.4	30.7	23.2	22.3
75°	75.3	64.1	54.8	44.6	38.1	35.3	31.6	23.2	13.0	7.4	6.5
77.5°	16.7	15.8	14.9	11.2	10.2	8.4	6.5	4.6	1.9	0.0	0.0
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)