

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: P635090

Luminaire Tested: GWS-SA3D-722-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635090
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-SA3D-722-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY 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: 8130.1 lumens
Efficiency: N/A
Efficacy: 67.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

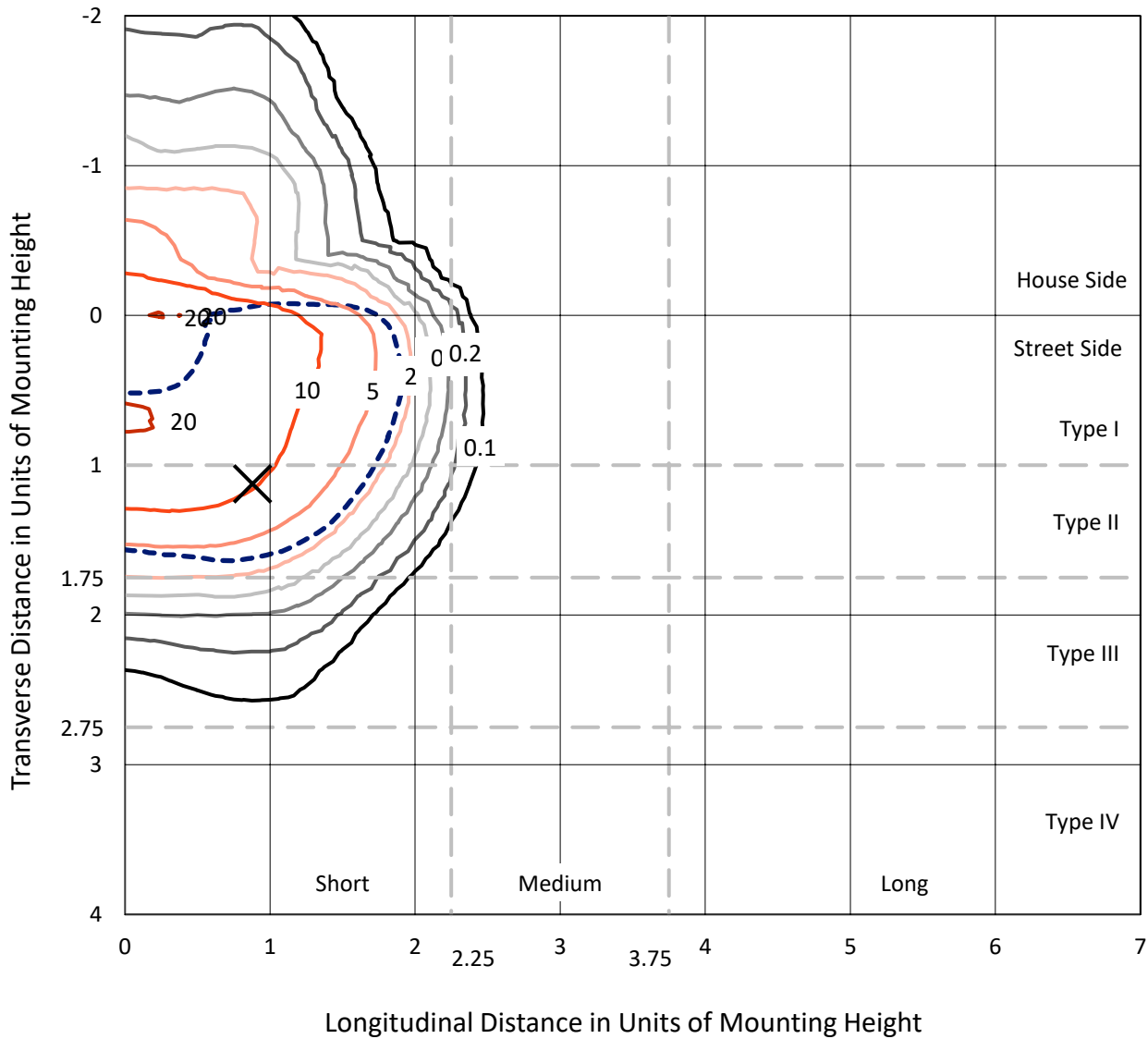
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

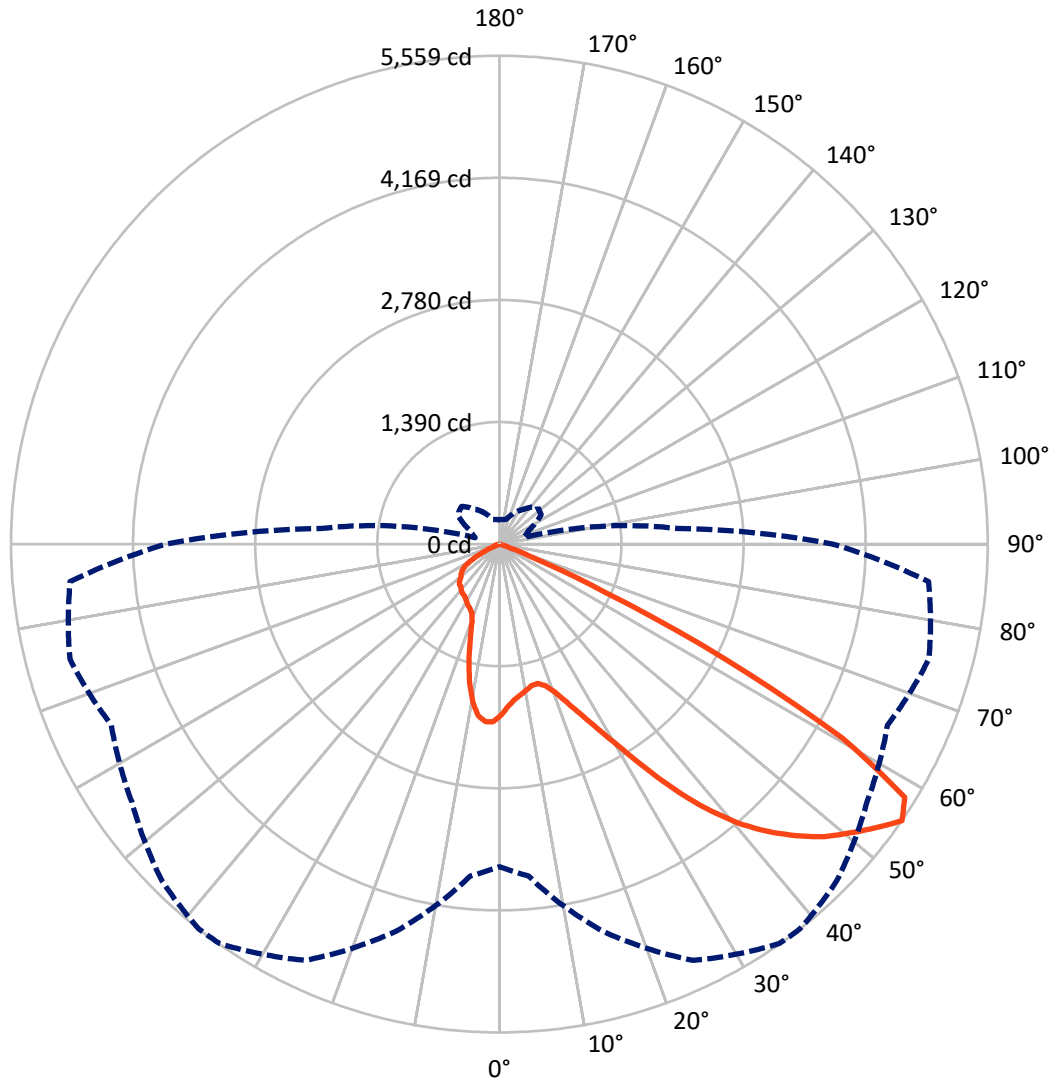
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.4 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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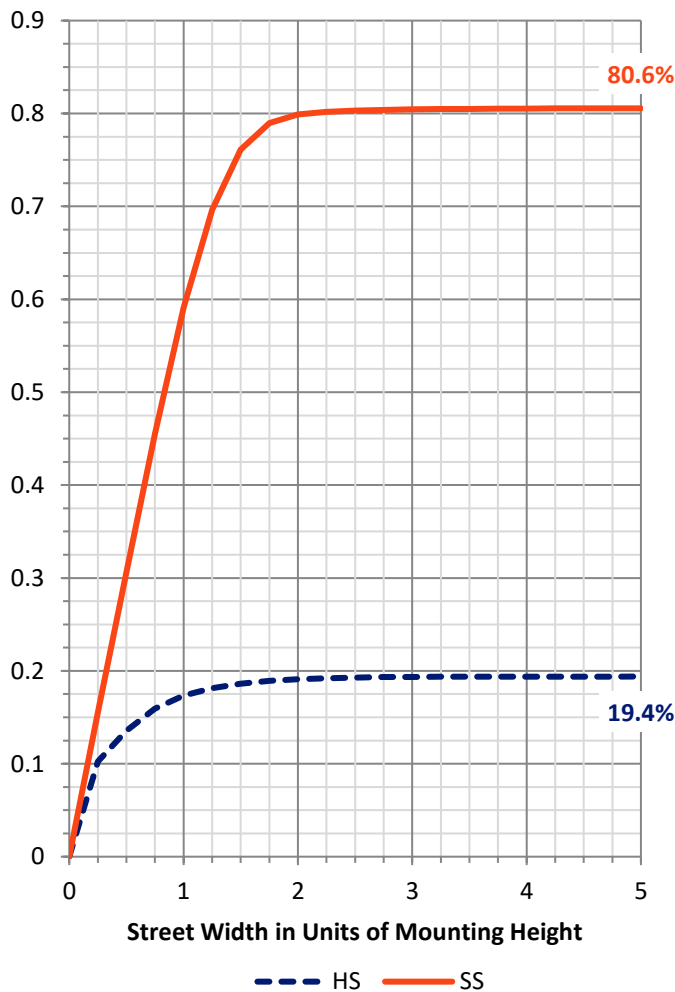
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1584.0	0.0	1584.0
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	6546.1	0.0	6546.1
	% Fixture	80.5	0.0	80.5
Total	Lumens	8130.1	0.0	8130.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.3	2.2
10°-20°	485.3	6.0
20°-30°	832.8	10.2
30°-40°	1381.3	17.0
40°-50°	2030.6	25.0
50°-60°	2372.8	29.2
60°-70°	804.3	9.9
70°-80°	41.1	0.5
80°-90°	1.6	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°	8130.1	100.0
0°-180°	8130.1	100.0

Coefficient of Utilization



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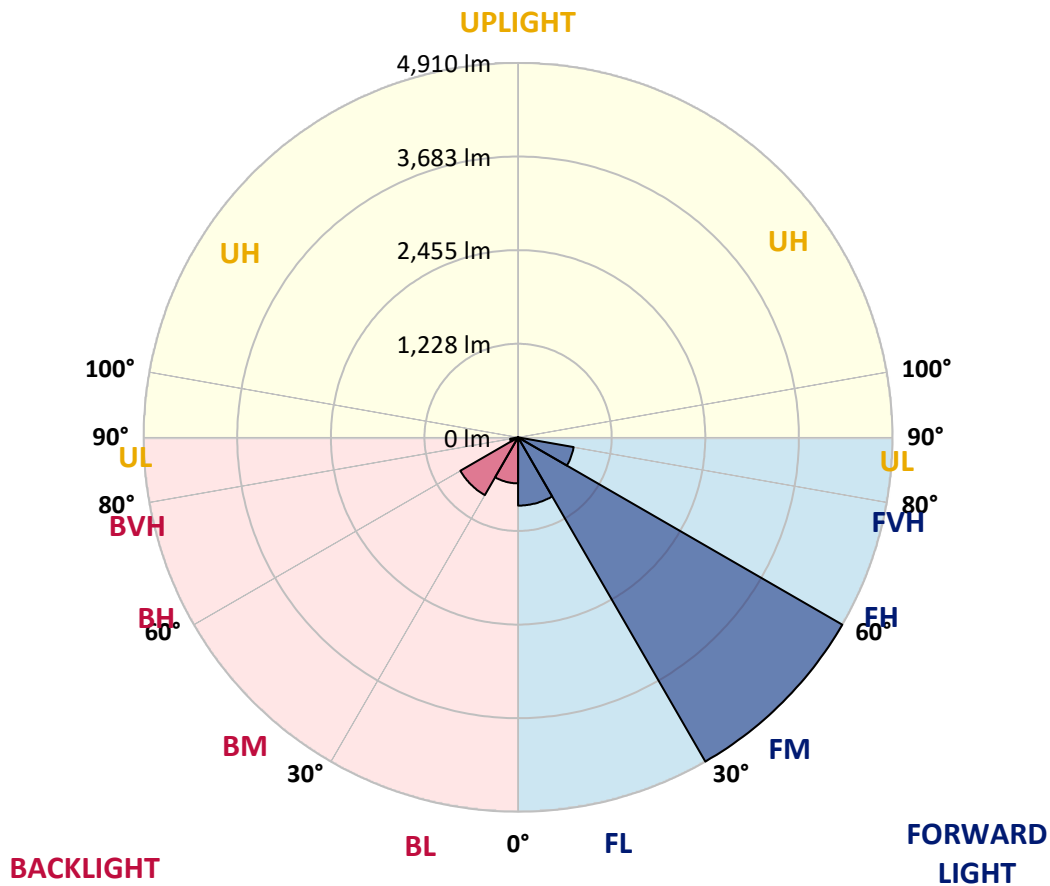
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	894.9	11.0			
FM (30°-60°)	4910.4	60.4			
FH (60°-80°)	740.0	9.1			G1/1800
FVH (80°-90°)	0.9	0.0			G0/10
BL (0°-30°)	603.5	7.4	B2/1000		
BM (30°-60°)	874.3	10.8	B1/1000		
BH (60°-80°)	105.4	1.3	B0/110		G0/110
BVH (80°-90°)	0.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	1949.7	1949.7	1949.7	1949.7	1949.7	1949.7	1949.7	1949.7	1949.7	1949.7	1949.7
2.5°	1815.8	1812.1	1819.6	1834.4	1848.4	1853.0	1867.0	1886.5	1898.5	1927.4	1950.6
5°	1734.1	1732.2	1739.6	1752.6	1771.2	1777.7	1799.1	1831.6	1864.2	1914.3	1963.6
7.5°	1659.7	1658.8	1669.9	1698.8	1725.7	1734.1	1760.1	1800.0	1843.7	1920.9	1993.3
10°	1562.1	1563.1	1584.4	1625.3	1674.6	1691.3	1733.1	1790.8	1847.4	1946.9	2047.2
12.5°	1530.5	1532.4	1543.6	1575.2	1629.1	1650.4	1709.0	1796.3	1868.8	1984.0	2116.9
15°	1607.7	1607.7	1598.4	1602.1	1626.3	1645.8	1707.1	1814.9	1905.1	2028.7	2185.7
17.5°	1757.3	1751.7	1728.5	1696.9	1688.5	1695.0	1744.3	1854.9	1956.2	2080.7	2263.8
20°	1959.9	1961.7	1916.2	1850.2	1797.3	1796.3	1826.1	1925.5	2029.6	2143.0	2348.3
22.5°	2205.2	2197.8	2137.4	2047.2	1955.2	1947.8	1959.9	2033.3	2135.5	2241.5	2452.4
25°	2489.6	2485.9	2400.4	2279.6	2157.8	2140.2	2140.2	2212.7	2287.0	2381.8	2576.9
27.5°	2787.0	2787.0	2704.2	2564.9	2403.2	2371.6	2366.9	2452.4	2501.7	2520.2	2681.9
30°	3092.7	3089.0	3007.2	2864.1	2691.2	2658.7	2645.7	2708.9	2744.2	2688.4	2813.0
32.5°	3403.1	3409.6	3326.9	3194.0	3039.7	3018.3	2978.4	2978.4	3007.2	2929.1	3019.3
35°	3736.7	3734.8	3669.8	3579.6	3447.7	3423.5	3357.5	3254.4	3298.1	3263.7	3304.6
37.5°	4031.3	4045.2	4013.6	3946.7	3839.8	3815.7	3707.0	3520.2	3553.6	3607.5	3643.8
40°	4330.5	4341.7	4373.3	4351.9	4217.1	4172.5	3979.2	3672.6	3709.7	3894.7	3998.8
42.5°	4624.2	4629.7	4693.9	4729.2	4548.9	4470.8	4185.5	3765.5	3804.5	4119.6	4301.7
45°	4811.0	4823.0	4929.0	5036.8	4841.6	4734.8	4364.9	3884.5	3901.2	4275.7	4525.7
47.5°	4803.5	4831.4	5030.3	5226.4	5093.5	4978.2	4580.5	4075.0	4047.1	4422.5	4673.4
50°	4653.9	4687.4	4972.7	5284.0	5274.7	5167.8	4820.3	4351.0	4263.6	4552.6	4692.0
52.5°	4343.5	4440.2	4871.4	5291.4	5420.6	5366.7	5116.7	4722.7	4556.3	4739.4	4721.7
55°	3672.6	3791.5	4563.8	5228.2	5552.5	5559.0	5428.0	5110.2	4874.2	5060.9	4904.8
57.5°	2787.9	2882.7	3512.7	4653.9	5334.2	5441.0	5548.8	5314.6	5070.2	5280.3	4947.6
60°	1680.2	1789.8	2199.6	3415.2	4308.2	4490.4	4913.2	4867.6	4573.1	4663.2	4057.3
62.5°	681.2	738.8	1015.7	1881.8	2711.7	2881.7	3286.9	3355.7	3283.2	3191.2	2460.8
65°	249.1	272.3	407.0	777.8	1247.1	1309.4	1523.1	1644.9	1745.2	1485.9	915.4
67.5°	154.3	169.1	264.8	399.6	453.5	421.9	429.3	512.0	488.8	302.0	163.6
70°	114.3	126.4	207.2	276.9	183.1	141.3	95.7	102.2	92.0	80.8	79.9
72.5°	79.0	90.1	155.2	163.6	70.6	50.2	35.3	49.3	55.8	54.8	56.7
75°	52.0	60.4	97.6	64.1	17.7	13.9	12.1	26.0	33.5	33.5	34.4
77.5°	30.7	35.3	34.4	13.0	3.7	3.7	2.8	4.6	7.4	8.4	10.2
80°	3.7	2.8	1.9	1.9	1.9	1.9	1.9	1.9	2.8	2.8	2.8
82.5°	0.9	0.9	0.9	1.9	1.9	1.9	1.9	1.9	1.9	2.8	2.8
85°	0.0	0.0	0.9	0.9	1.9	1.9	1.9	1.9	1.9	2.8	2.8
87.5°	0.0	0.0	0.9	0.9	1.9	1.9	1.9	1.9	1.9	2.8	2.8
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°	1949.7	1949.7	1949.7	1949.7	1949.7	1949.7	1949.7	1949.7	1949.7	1949.7	1949.7
2.5°	1968.2	1961.7	1988.7	2008.2	2024.0	2031.4	2021.2	2020.3	2020.3	1999.8	1994.3
5°	1991.5	1994.3	2032.4	2049.1	2051.9	2042.6	2019.4	2003.6	1994.3	1972.9	1960.8
7.5°	2036.1	2045.4	2081.6	2078.8	2053.7	2011.0	1949.7	1902.3	1871.6	1838.1	1817.7
10°	2100.2	2117.9	2140.2	2101.1	2021.2	1912.5	1786.1	1696.0	1642.1	1604.0	1580.7
12.5°	2178.3	2195.9	2188.5	2096.5	1930.1	1735.9	1573.3	1443.2	1380.9	1346.5	1322.4
15°	2257.3	2268.4	2220.1	2040.7	1769.4	1508.2	1327.0	1197.9	1121.7	1093.8	1073.3
17.5°	2338.1	2335.3	2225.7	1931.1	1554.7	1251.8	1073.3	985.1	963.7	959.0	957.2
20°	2422.7	2397.6	2203.4	1774.0	1296.4	998.1	896.8	902.3	941.4	960.0	963.7
22.5°	2519.3	2456.1	2147.6	1561.2	1032.4	831.7	841.9	896.8	949.7	974.8	978.5
25°	2622.5	2510.0	2054.7	1288.0	814.1	764.8	825.2	888.4	945.1	975.8	979.5
27.5°	2690.3	2523.0	1902.3	1012.9	698.8	738.8	802.9	863.3	921.9	955.3	960.0
30°	2763.7	2517.5	1695.0	780.6	659.8	716.5	772.2	827.1	881.0	918.1	921.9
32.5°	2871.5	2513.7	1442.3	633.8	644.0	698.8	739.7	785.3	822.4	843.8	841.0
35°	3012.8	2509.1	1147.7	571.5	634.7	684.9	717.4	738.8	697.9	684.9	687.7
37.5°	3194.0	2520.2	899.6	545.5	631.9	681.2	709.1	647.7	584.5	560.4	556.6
40°	3394.7	2549.1	685.8	535.3	641.2	690.5	677.5	576.2	498.1	450.7	440.5
42.5°	3596.4	2580.7	542.7	531.6	657.0	716.5	625.4	524.1	407.0	380.1	376.4
45°	3746.0	2575.1	469.3	525.1	671.0	731.4	611.5	449.8	363.4	351.3	352.2
47.5°	3821.3	2513.7	429.3	510.2	676.5	716.5	577.1	419.1	333.6	346.6	357.8
50°	3781.3	2354.8	392.2	481.4	664.4	697.0	522.3	395.9	318.7	372.6	397.7
52.5°	3733.0	2159.7	351.3	436.8	635.6	670.0	500.9	389.4	309.5	359.6	378.2
55°	3797.1	2036.1	284.4	368.0	579.0	606.8	484.2	388.4	288.1	279.7	276.9
57.5°	3707.0	1789.8	203.5	264.8	444.2	480.4	472.1	381.9	255.6	254.6	258.3
60°	2865.0	1091.9	139.4	168.2	272.3	306.7	428.4	365.2	220.2	202.6	203.5
62.5°	1628.1	464.6	95.7	104.1	139.4	165.4	327.1	331.8	203.5	193.3	203.5
65°	566.9	166.3	74.3	69.7	77.1	88.3	187.7	256.5	184.9	167.3	169.1
67.5°	117.1	82.7	66.0	57.6	57.6	57.6	95.7	159.8	152.4	132.9	134.7
70°	74.3	70.6	57.6	49.3	47.4	43.7	54.8	88.3	105.0	96.6	97.6
72.5°	54.8	53.9	45.5	40.0	35.3	31.6	34.4	43.7	53.9	55.8	56.7
75°	33.5	34.4	29.7	25.1	22.3	19.5	20.4	20.4	20.4	18.6	20.4
77.5°	10.2	11.2	9.3	7.4	6.5	6.5	6.5	5.6	4.6	2.8	2.8
80°	2.8	2.8	2.8	2.8	2.8	1.9	1.9	0.9	0.9	0.0	0.0
82.5°	2.8	2.8	2.8	2.8	1.9	1.9	0.9	0.9	0.0	0.0	0.0
85°	2.8	2.8	2.8	2.8	1.9	1.9	0.9	0.9	0.0	0.0	0.0
87.5°	2.8	2.8	2.8	2.8	1.9	1.9	0.9	0.9	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)