

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: P634064

Luminaire Tested: GWS-SA3B-722-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634064
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-722-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6425 lumens
Efficiency: N/A
Efficacy: 94.1 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

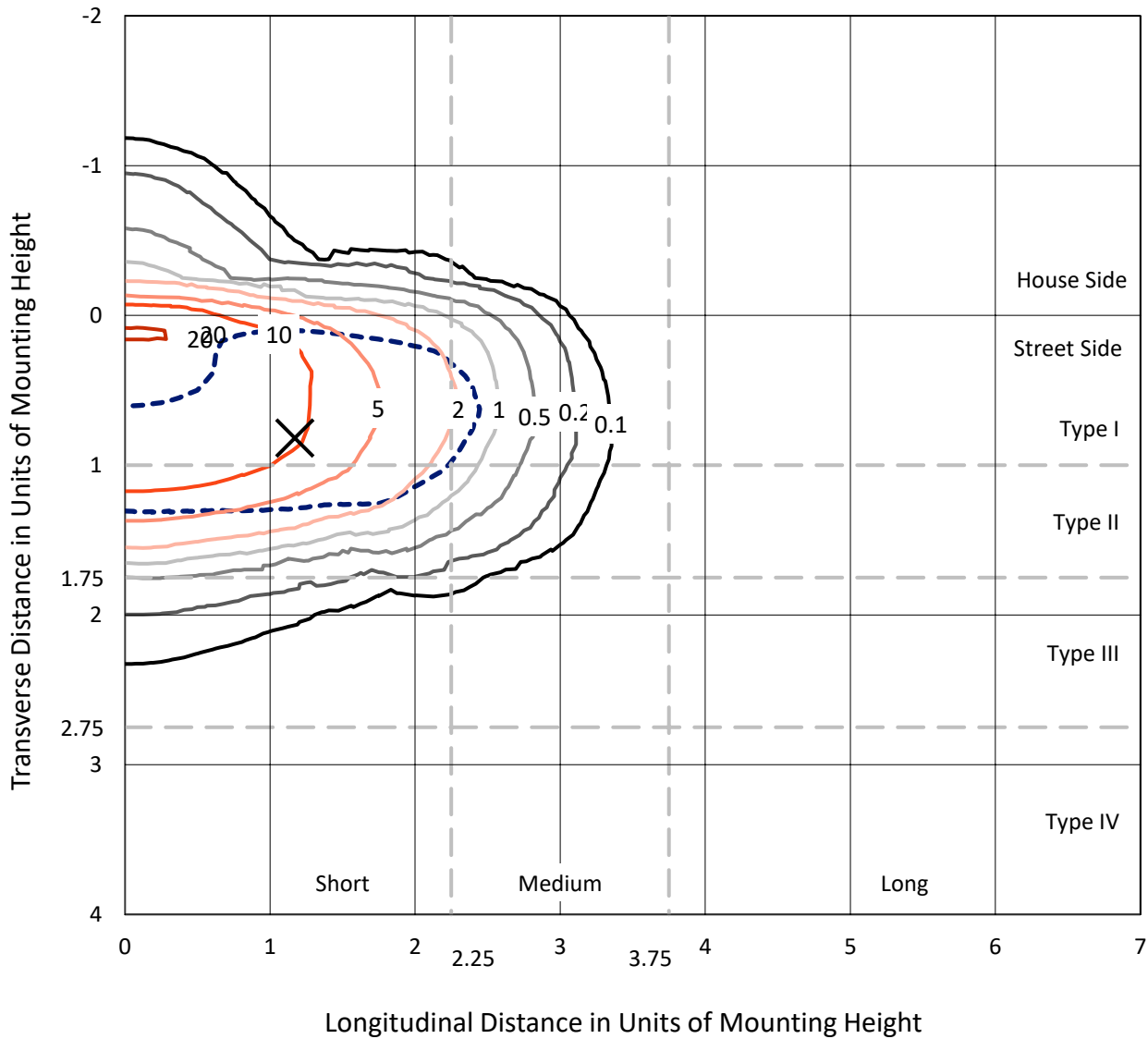
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634064
 CATALOG NUMBER: GWS-SA3B-722-U-AFL-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

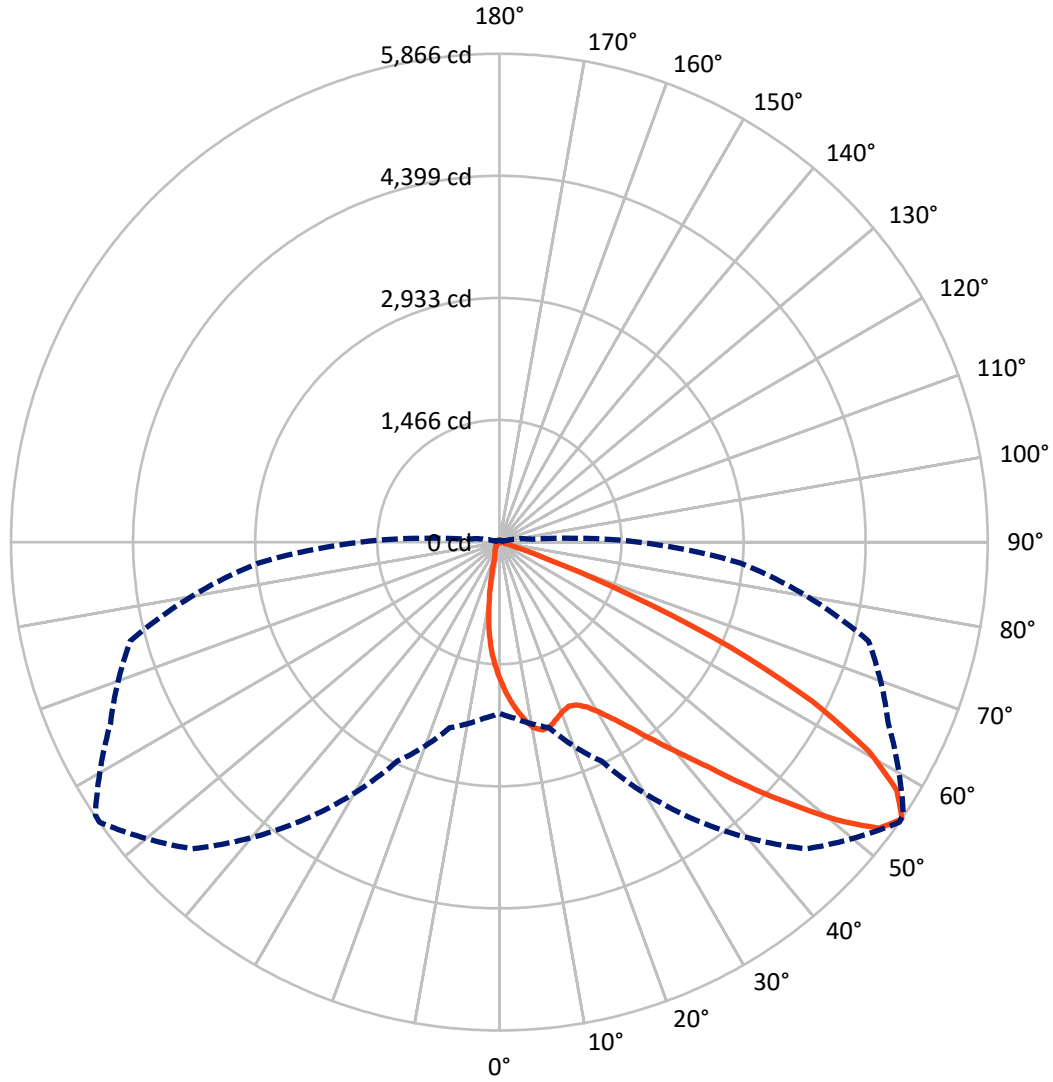
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.7 fc
 Type II - Short - N/A

REPORT NUMBER: P634064
CATALOG NUMBER: GWS-SA3B-722-U-AFL-W-HSS

Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: GWS-SA3B-722-U-AFL-W-HSS

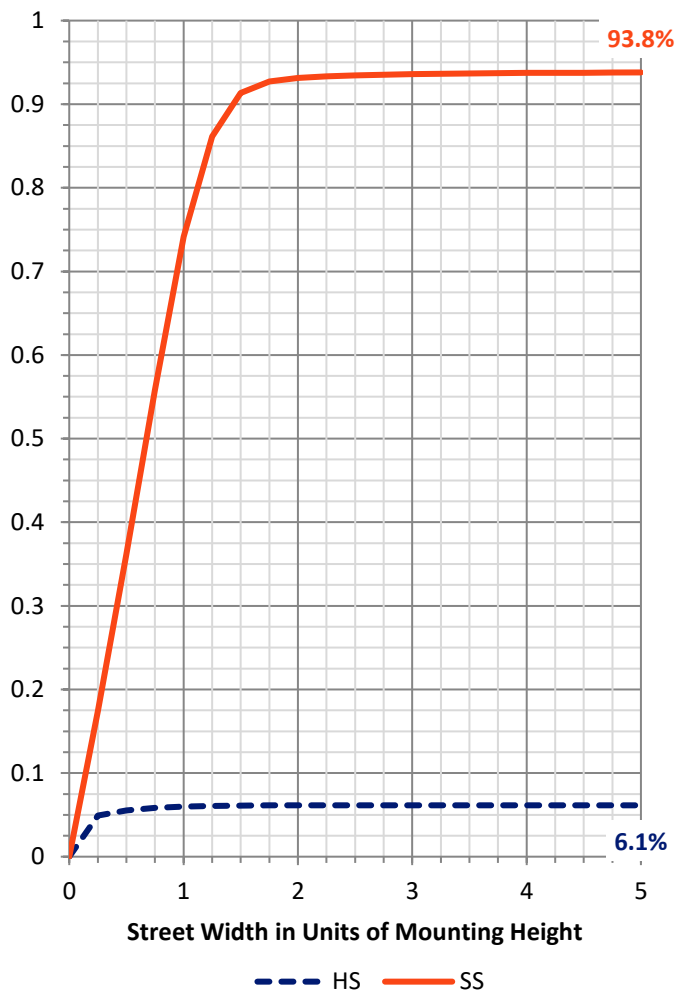
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	396.4	0.0	396.4
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	6028.5	0.0	6028.5
	% Fixture	93.8	0.0	93.8
Total	Lumens	6425.0	0.0	6425.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.7	2.3
10°-20°	353.7	5.5
20°-30°	589.0	9.2
30°-40°	1003.6	15.6
40°-50°	1638.3	25.5
50°-60°	1715.2	26.7
60°-70°	865.1	13.5
70°-80°	109.3	1.7
80°-90°	4.1	0.1
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°	6425.0	100.0
0°-180°	6425.0	100.0

Coefficient of Utilization



REPORT NUMBER: P634064

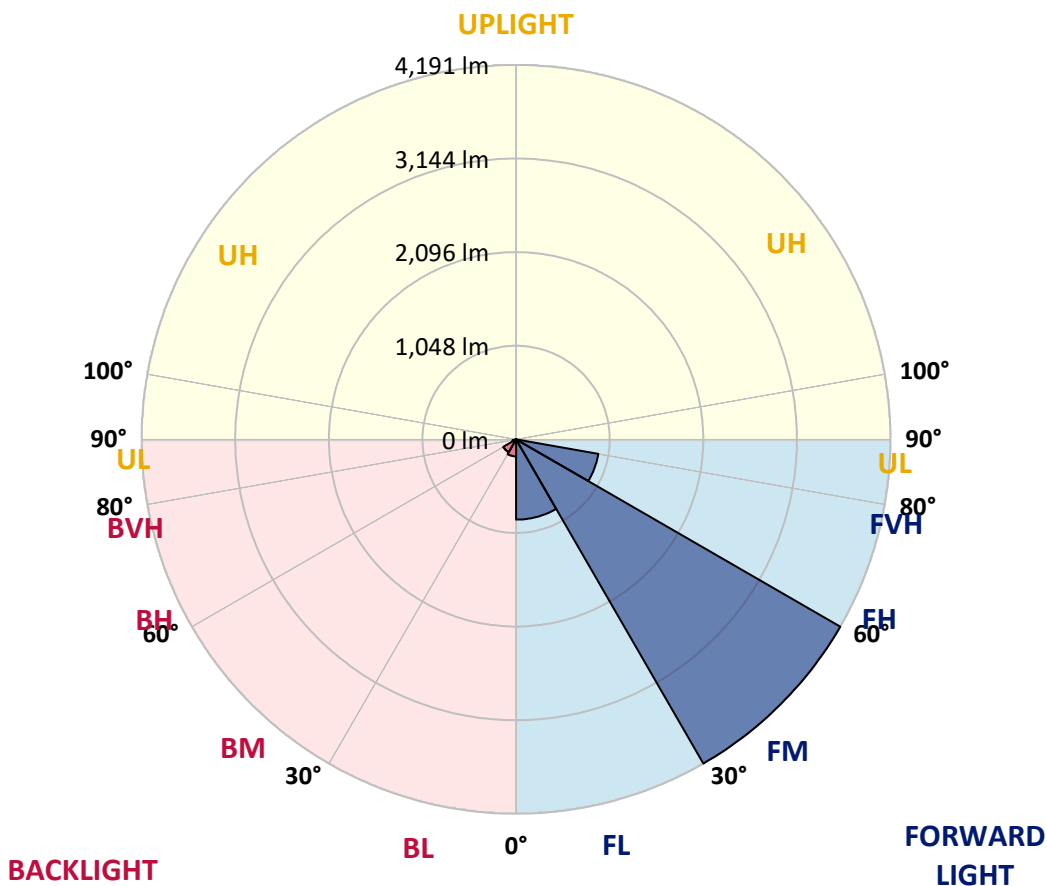
CATALOG NUMBER: GWS-SA3B-722-U-AFL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	898.8	14.0			
FM (30°-60°)	4191.4	65.2			
FH (60°-80°)	934.6	14.5			G1/1800
FVH (80°-90°)	3.8	0.1			G0/10
BL (0°-30°)	190.5	3.0	B1/500		
BM (30°-60°)	165.8	2.6	B0/220		
BH (60°-80°)	39.8	0.6	B0/110		G0/110
BVH (80°-90°)	0.4	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





REPORT NUMBER: P634064

CATALOG NUMBER: GWS-SA3B-722-U-AFL-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1659.8	1659.8	1659.8	1659.8	1659.8	1659.8	1659.8	1659.8	1659.8	1659.8	1659.8
2.5°	1935.0	1925.7	1940.0	1923.5	1895.5	1871.9	1841.1	1830.1	1780.7	1734.0	1689.0
5°	2170.1	2172.8	2168.5	2145.4	2105.8	2061.9	1999.8	1986.1	1899.9	1810.9	1714.8
7.5°	2228.3	2226.7	2236.0	2244.8	2238.2	2216.2	2148.7	2134.9	2027.8	1894.4	1754.3
10°	2048.7	2049.8	2069.0	2128.4	2202.0	2278.3	2267.9	2260.2	2155.3	1988.8	1798.3
12.5°	1795.0	1804.8	1825.2	1909.8	2034.4	2208.0	2315.7	2323.3	2272.3	2092.7	1849.9
15°	1685.1	1687.3	1703.8	1754.9	1847.7	2061.9	2295.3	2316.8	2370.0	2197.0	1905.9
17.5°	1682.4	1685.1	1692.2	1714.8	1775.2	1947.1	2230.0	2267.3	2443.6	2309.1	1972.9
20°	1785.6	1784.0	1779.0	1766.9	1793.3	1909.2	2169.6	2210.7	2483.7	2418.4	2040.5
22.5°	1972.9	1970.7	1948.8	1898.8	1877.3	1943.8	2139.9	2177.2	2507.9	2515.6	2096.0
25°	2188.8	2204.2	2163.0	2087.2	2034.4	2032.2	2166.3	2192.6	2528.8	2601.8	2133.8
27.5°	2425.5	2430.4	2395.3	2310.2	2233.8	2173.9	2242.6	2262.4	2551.8	2678.7	2155.3
30°	2685.3	2683.7	2643.6	2544.7	2451.9	2365.6	2371.1	2378.8	2605.7	2766.6	2178.9
32.5°	3009.9	3017.0	2945.6	2811.1	2699.6	2580.4	2539.2	2540.3	2702.9	2879.7	2214.6
35°	3451.0	3433.4	3338.9	3147.2	2957.2	2828.7	2758.4	2752.3	2852.8	3031.9	2276.7
37.5°	3871.1	3872.8	3773.9	3563.0	3323.0	3120.3	3020.9	3004.4	3063.7	3242.8	2379.9
40°	4162.8	4168.3	4127.1	4016.7	3762.4	3475.7	3329.6	3312.5	3337.3	3509.7	2515.0
42.5°	4317.1	4332.5	4344.0	4369.9	4177.1	3919.5	3694.8	3693.2	3667.4	3814.0	2671.6
45°	4323.2	4346.2	4416.5	4592.9	4614.8	4425.9	4181.5	4144.7	4045.3	4139.7	2811.6
47.5°	4084.2	4137.5	4286.9	4636.2	4866.9	4929.5	4687.3	4664.8	4385.8	4397.3	2916.5
50°	3527.3	3582.8	3858.0	4413.8	4930.6	5329.4	5242.6	5195.9	4670.3	4567.6	2967.1
52.5°	2956.1	3006.6	3193.4	3884.3	4666.5	5455.2	5710.6	5655.1	4925.7	4626.9	2946.2
55°	2057.0	2124.5	2306.9	2903.4	4057.9	5210.2	5865.5	5853.9	5153.6	4589.6	2913.8
57.5°	1008.4	1075.4	1257.2	1790.0	3006.1	4548.9	5628.7	5689.7	5289.9	4549.5	2887.4
60°	421.3	448.7	511.4	785.4	1681.8	3437.8	5094.3	5178.9	5206.4	4495.1	2884.7
62.5°	244.4	248.8	255.4	325.7	654.2	1970.7	4226.0	4346.2	4767.5	4423.1	2841.3
65°	184.5	186.2	183.5	199.9	270.2	747.5	3053.3	3217.0	3979.3	4141.9	2669.9
67.5°	151.6	151.6	144.5	147.7	169.7	280.1	1685.7	1914.1	2944.5	3404.3	2204.7
70°	120.8	123.6	120.3	115.9	121.4	154.9	599.8	743.7	1714.8	2010.3	1285.8
72.5°	91.7	91.7	97.2	93.9	90.1	97.2	209.3	235.1	688.2	838.2	464.1
75°	70.9	73.1	76.9	73.6	68.1	57.7	100.5	106.6	207.6	195.0	103.8
77.5°	36.3	36.8	48.9	53.8	50.5	35.2	43.9	48.3	67.6	60.4	38.4
80°	22.0	23.1	27.5	42.3	33.5	18.7	18.1	19.2	31.9	27.5	15.9
82.5°	9.3	9.9	15.4	15.4	13.7	7.1	7.1	7.1	15.4	14.3	6.6
85°	0.0	0.0	2.7	2.2	2.2	2.7	2.7	2.7	3.8	5.5	3.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P634064
 CATALOG NUMBER: GWS-SA3B-722-U-AFL-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1659.8	1659.8	1659.8	1659.8	1659.8	1659.8	1659.8	1659.8	1659.8	1659.8	1659.8
2.5°	1659.8	1624.7	1577.5	1534.6	1476.9	1444.5	1399.5	1362.7	1331.4	1321.5	1317.1
5°	1660.4	1600.0	1498.9	1397.8	1273.7	1176.0	1075.4	995.8	930.4	909.6	904.1
7.5°	1671.4	1582.4	1418.7	1235.3	1027.7	856.3	703.0	565.7	502.0	480.6	476.2
10°	1686.2	1567.6	1325.9	1040.3	742.0	521.8	369.6	281.8	240.0	217.0	220.3
12.5°	1705.4	1555.5	1223.2	829.4	491.0	286.7	203.2	170.3	161.5	157.1	154.9
15°	1731.2	1541.2	1095.8	620.1	301.0	184.5	156.5	147.7	144.5	142.3	141.7
17.5°	1757.6	1524.7	966.1	436.1	199.9	153.2	140.6	136.2	134.0	132.4	131.8
20°	1785.6	1496.7	814.0	300.4	157.6	137.9	129.6	124.7	121.9	119.2	118.6
22.5°	1797.7	1451.7	668.4	210.4	140.1	126.9	116.4	110.4	107.1	104.9	104.9
25°	1786.2	1378.6	517.9	159.8	127.4	114.8	104.4	97.8	95.0	92.8	92.8
27.5°	1755.4	1284.7	377.9	132.4	113.7	102.2	92.3	86.2	84.0	82.9	82.9
30°	1721.4	1166.1	266.4	113.7	98.3	89.0	80.7	76.9	76.3	75.2	75.2
32.5°	1692.2	1055.1	183.5	100.0	86.8	77.4	72.0	70.3	70.9	69.8	70.3
35°	1676.3	946.4	136.2	89.0	77.4	68.7	65.9	65.9	65.9	65.4	65.4
37.5°	1682.9	839.3	110.9	81.3	69.2	62.6	59.9	61.0	62.1	62.1	62.1
40°	1715.9	744.2	98.3	74.1	62.1	57.1	54.9	56.6	58.2	59.3	59.3
42.5°	1757.6	667.3	89.0	68.1	57.1	51.6	50.5	52.2	53.8	54.9	54.9
45°	1784.0	589.9	79.6	60.4	52.2	45.6	45.6	47.8	47.2	47.8	47.8
47.5°	1796.1	528.4	70.3	52.2	44.5	39.5	40.1	41.2	40.1	41.2	41.2
50°	1766.4	466.3	62.1	43.4	36.8	34.6	35.7	35.2	35.2	37.3	37.3
52.5°	1712.0	420.2	54.9	36.8	31.3	30.8	31.9	29.7	30.2	30.2	29.7
55°	1671.9	393.8	48.9	31.9	26.9	27.5	26.9	23.1	20.9	18.7	18.1
57.5°	1652.2	383.4	44.5	28.6	24.2	24.2	22.0	15.9	12.1	9.3	8.2
60°	1647.8	370.7	40.1	24.7	21.4	20.3	15.9	9.3	6.0	4.4	3.8
62.5°	1606.0	340.0	36.3	19.8	18.7	16.5	9.9	5.5	3.3	2.2	1.6
65°	1469.3	279.6	32.4	15.4	14.3	12.1	6.0	3.3	1.6	0.5	0.0
67.5°	1168.8	198.3	28.6	11.5	9.9	7.7	3.8	2.2	0.5	0.0	0.0
70°	673.9	107.1	23.6	8.2	6.6	4.9	2.7	1.1	0.0	0.0	0.0
72.5°	225.2	50.0	18.1	5.5	4.9	3.8	1.6	0.5	0.0	0.0	0.0
75°	49.4	29.7	12.1	3.8	3.3	2.7	1.1	0.0	0.0	0.0	0.0
77.5°	18.7	20.9	6.0	2.7	2.2	1.6	0.5	0.0	0.0	0.0	0.0
80°	7.1	13.7	2.7	1.6	1.6	0.5	0.0	0.0	0.0	0.0	0.0
82.5°	3.8	5.5	1.6	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.2	2.7	1.1	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.1	0.5	0.5	0.5	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)