

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: P632116

Luminaire Tested: GWS-SA2C-722-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632116
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-722-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4209.8 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

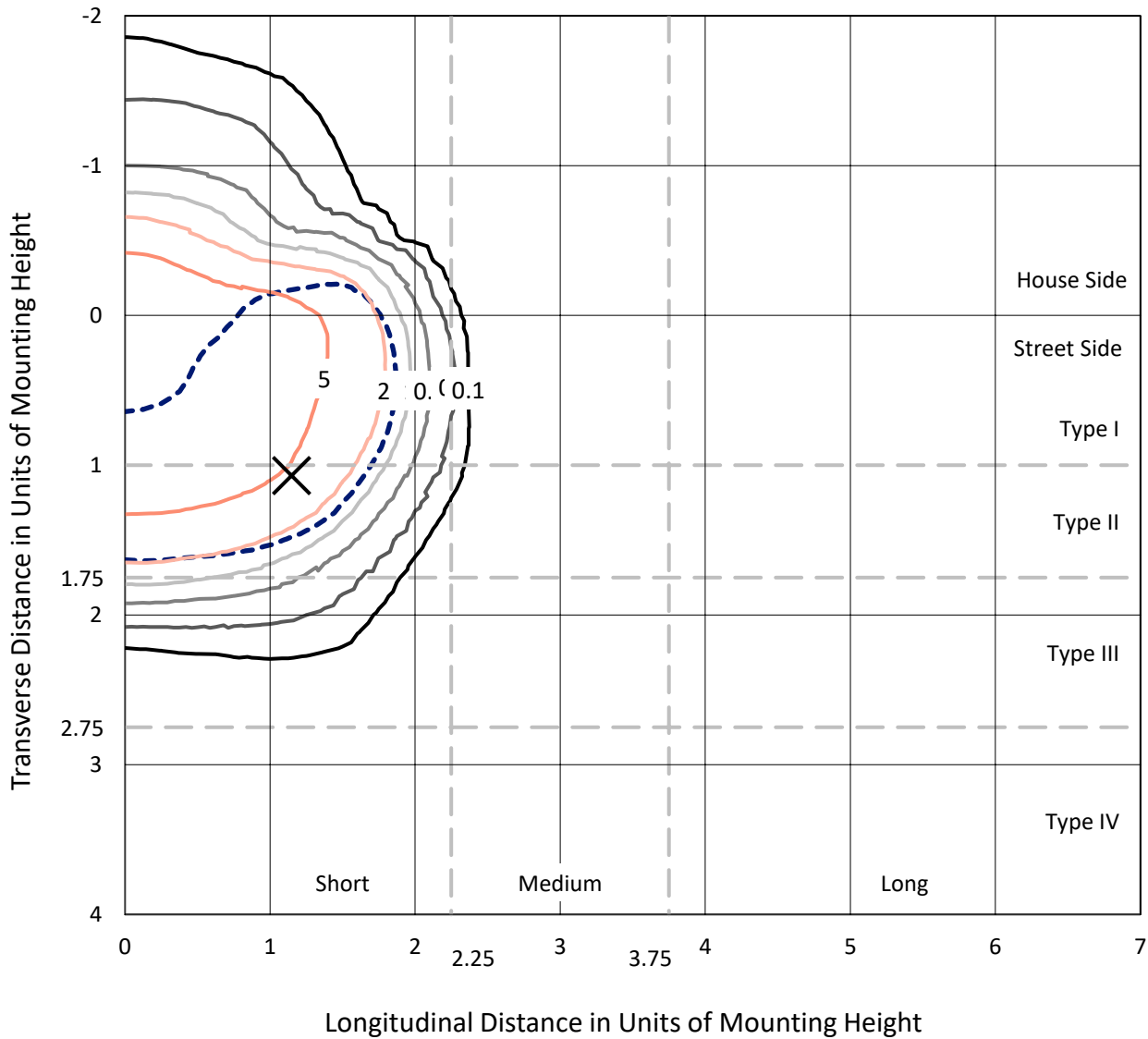
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

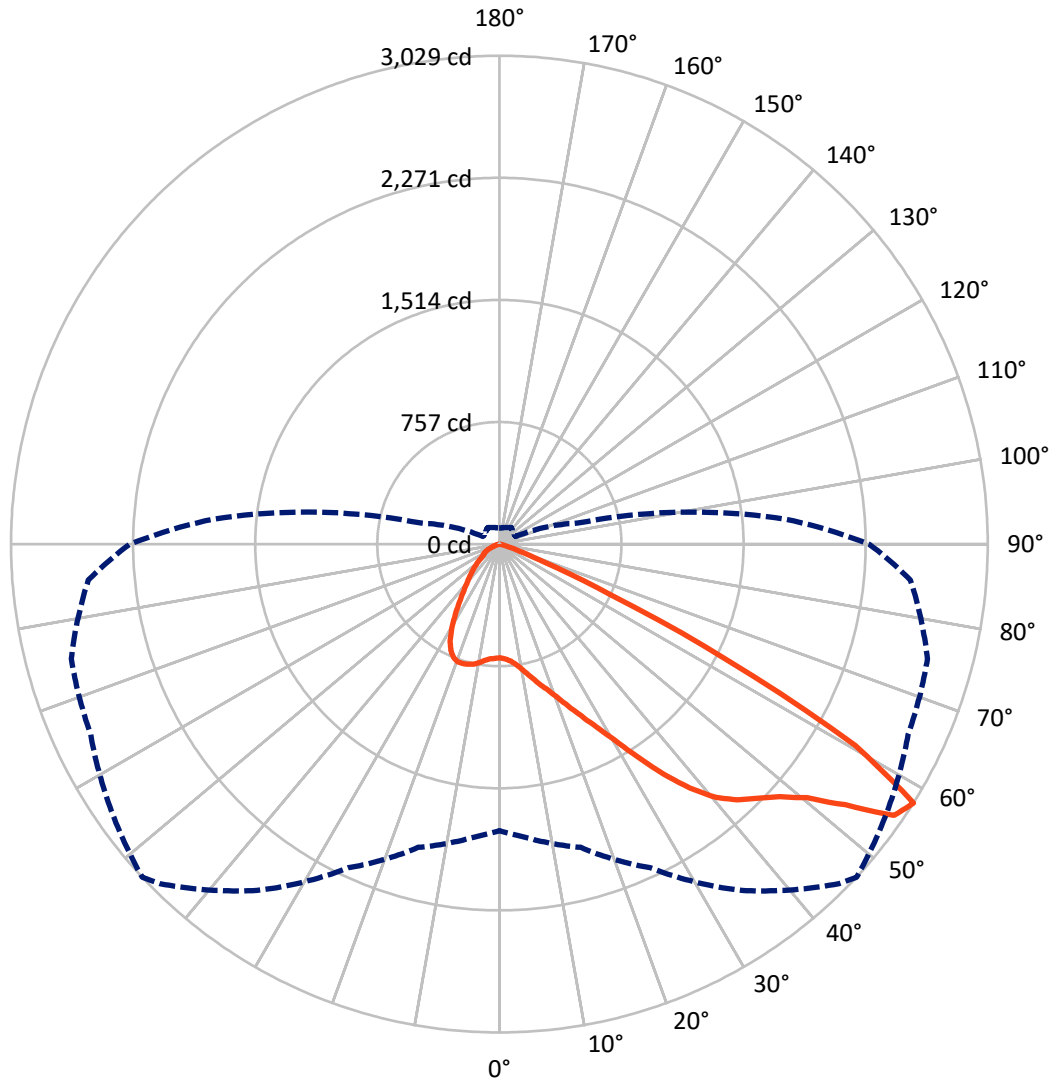
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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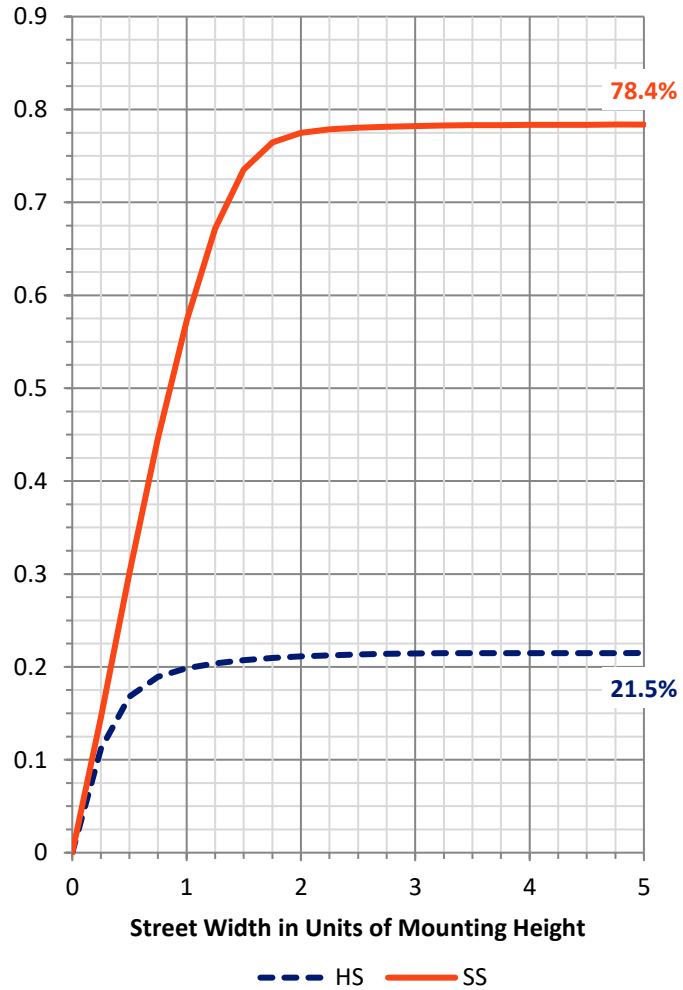
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	913.3	0.0	913.3
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	3296.5	0.0	3296.5
	% Fixture	78.3	0.0	78.3
Total	Lumens	4209.8	0.0	4209.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.1	1.7
10°-20°	236.6	5.6
20°-30°	439.3	10.4
30°-40°	703.2	16.7
40°-50°	1027.9	24.4
50°-60°	1268.6	30.1
60°-70°	423.9	10.1
70°-80°	39.5	0.9
80°-90°	0.8	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°	4209.8	100.0
0°-180°	4209.8	100.0

Coefficient of Utilization



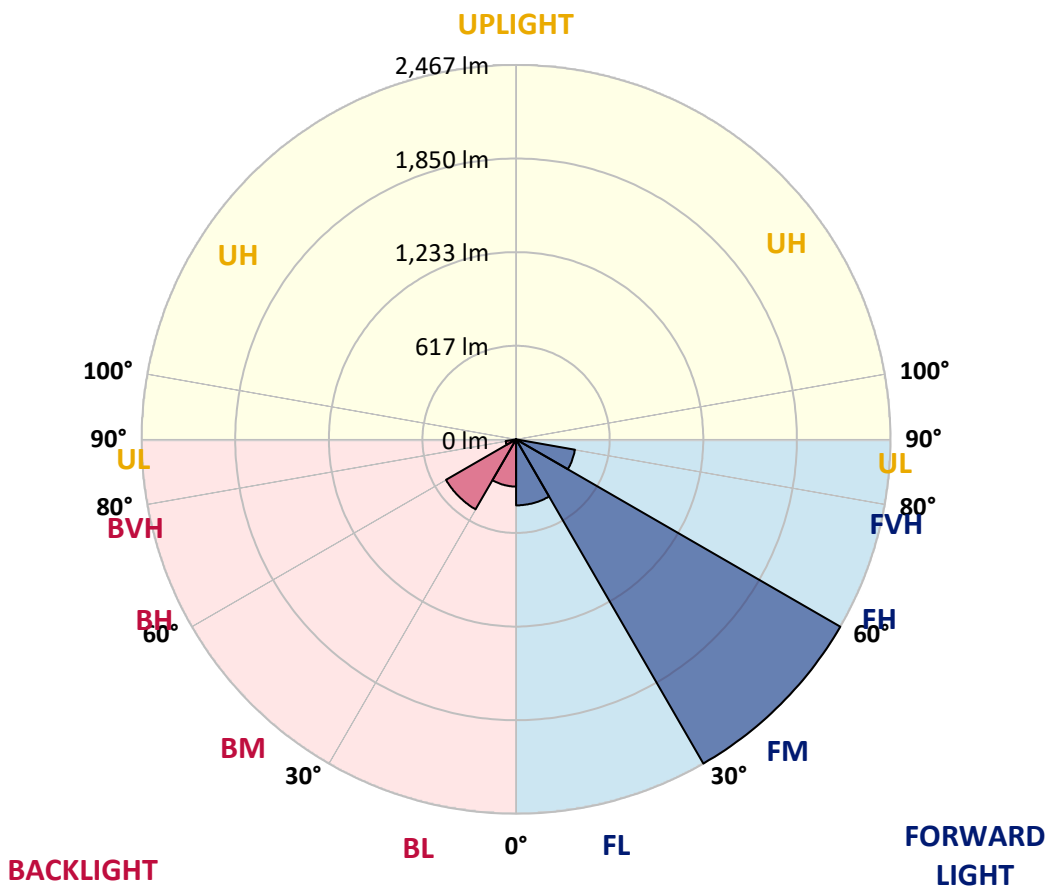
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	435.1	10.3			
FM (30°-60°)	2466.9	58.6			
FH (60°-80°)	393.9	9.4			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	310.9	7.4	B1/500		
BM (30°-60°)	532.7	12.7	B1/1000		
BH (60°-80°)	69.4	1.6	B0/110		G0/110
BVH (80°-90°)	0.3	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°	45°	47°	55°	65°	75°	85°
0°	704.7	704.7	704.7	704.7	704.7	704.7	704.7	704.7	704.7	704.7	704.7
2.5°	712.1	711.6	711.1	714.0	713.0	712.5	713.5	713.5	713.5	710.6	704.7
5°	729.2	729.2	728.7	731.6	729.2	727.7	728.2	728.2	726.2	720.9	713.5
7.5°	756.0	755.1	754.1	757.0	754.6	754.1	755.1	752.1	748.7	739.9	729.6
10°	794.6	794.6	793.2	796.1	794.2	793.2	793.2	791.2	784.9	771.2	756.0
12.5°	847.9	845.5	842.1	839.6	838.6	838.1	838.6	835.7	828.9	811.3	790.2
15°	906.1	904.1	898.7	894.8	889.5	888.5	891.4	889.0	882.1	858.2	828.4
17.5°	979.4	981.8	968.1	959.8	944.2	943.2	944.2	948.1	943.2	912.4	868.9
20°	1041.9	1043.9	1033.6	1027.8	1013.6	1007.2	1009.2	1015.5	1010.2	974.0	913.4
22.5°	1108.9	1111.3	1100.6	1088.4	1082.0	1082.0	1089.3	1098.1	1090.8	1043.4	964.2
25°	1189.0	1191.0	1182.2	1166.1	1154.8	1169.0	1179.8	1203.2	1191.0	1126.5	1024.3
27.5°	1280.9	1281.4	1268.7	1252.1	1246.2	1272.6	1283.4	1319.5	1314.6	1219.8	1087.9
30°	1379.1	1379.6	1376.7	1365.5	1360.1	1394.8	1409.5	1461.7	1458.3	1335.7	1174.4
32.5°	1481.3	1481.3	1486.7	1485.7	1492.0	1548.7	1572.2	1631.8	1628.4	1477.4	1281.9
35°	1583.9	1584.4	1593.7	1617.2	1643.5	1718.8	1749.6	1821.9	1814.1	1647.0	1419.2
37.5°	1700.7	1695.8	1708.5	1743.7	1802.4	1889.4	1918.7	1987.6	1978.8	1820.5	1598.6
40°	1841.5	1832.7	1832.7	1873.7	1940.2	2040.4	2065.3	2099.5	2069.7	1960.7	1774.5
42.5°	1996.9	1988.6	1977.8	2014.0	2069.7	2147.9	2168.4	2159.1	2134.7	2093.2	1974.9
45°	2154.2	2141.5	2148.9	2170.9	2203.1	2240.3	2248.1	2205.1	2193.8	2205.6	2140.6
47.5°	2274.0	2265.2	2283.3	2314.1	2340.4	2345.8	2340.4	2280.8	2279.8	2321.4	2255.4
50°	2314.1	2315.0	2364.9	2432.3	2474.8	2479.2	2471.9	2403.5	2394.2	2406.4	2317.5
52.5°	2318.0	2321.9	2394.7	2523.2	2639.1	2691.8	2686.0	2612.2	2521.3	2508.1	2411.3
55°	2223.6	2246.6	2348.3	2535.9	2782.2	2950.9	2970.4	2829.2	2694.3	2683.0	2613.2
57.5°	1777.5	1824.4	1947.0	2214.4	2622.4	2977.7	3028.6	2926.9	2796.4	2748.5	2558.9
60°	1062.5	1120.6	1238.4	1566.3	1995.9	2447.5	2535.0	2549.1	2489.0	2350.7	1963.2
62.5°	456.0	451.1	596.2	847.4	1187.1	1555.6	1595.2	1656.7	1709.0	1564.4	1191.5
65°	156.4	170.1	236.5	382.2	594.3	722.3	757.5	812.7	887.0	732.1	436.4
67.5°	96.8	102.6	136.4	225.8	320.6	315.7	300.1	291.3	283.5	194.0	119.7
70°	70.4	75.3	95.8	155.4	215.5	151.5	131.5	106.5	118.3	109.0	85.0
72.5°	47.4	51.3	66.0	94.3	110.4	73.8	68.4	77.7	93.8	89.4	69.4
75°	28.3	30.8	37.6	45.9	45.0	38.1	38.6	54.7	71.8	67.0	49.4
77.5°	19.5	20.5	24.9	29.8	22.0	11.7	10.8	15.2	24.4	24.4	16.6
80°	4.9	6.4	6.4	3.9	3.4	2.9	2.9	4.4	6.8	4.9	2.4
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
87.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
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°	704.7	704.7	704.7	704.7	704.7	704.7	704.7	704.7	704.7	704.7	704.7
2.5°	708.1	702.3	706.2	705.2	708.1	709.1	704.7	703.7	704.2	698.4	696.4
5°	715.0	708.1	710.1	708.1	711.6	714.5	713.0	715.0	717.4	713.0	711.1
7.5°	729.6	722.8	722.3	719.4	724.3	726.2	725.7	731.1	736.0	733.1	730.1
10°	755.1	745.8	744.8	742.4	743.8	745.3	739.9	740.9	745.3	741.9	740.4
12.5°	786.3	775.1	772.7	766.8	766.8	759.5	747.7	745.3	748.7	746.3	743.8
15°	820.1	804.9	801.0	790.7	781.0	767.3	755.1	752.1	754.6	751.6	749.7
17.5°	857.7	840.6	827.9	809.8	788.3	772.2	758.5	752.1	748.2	742.4	741.9
20°	894.8	872.4	850.9	822.0	793.7	769.2	746.8	730.1	716.0	707.2	703.7
22.5°	937.8	904.6	869.9	829.3	788.8	751.6	712.1	683.7	659.3	651.0	647.1
25°	983.8	940.8	889.0	836.2	772.2	712.5	658.8	616.8	584.5	573.7	569.4
27.5°	1034.6	975.5	908.5	834.7	738.0	656.8	585.5	533.2	501.4	491.6	495.1
30°	1099.1	1020.4	933.0	819.6	686.6	578.6	495.1	451.1	427.1	417.9	418.3
32.5°	1185.1	1084.9	968.6	787.3	620.7	489.7	416.4	384.1	368.0	355.8	354.8
35°	1308.3	1183.2	1001.9	735.5	540.5	410.5	357.2	331.8	309.4	295.2	297.6
37.5°	1455.9	1306.8	1019.9	665.6	450.6	348.9	312.8	286.9	261.5	240.4	242.9
40°	1630.8	1468.6	1018.5	573.7	368.5	306.9	275.6	245.3	213.6	194.5	196.5
42.5°	1825.8	1621.6	986.7	476.5	305.4	272.7	240.0	201.8	171.0	159.3	159.8
45°	1994.9	1745.7	931.0	375.8	257.1	239.5	202.8	163.7	150.0	141.7	141.2
47.5°	2120.0	1836.6	851.3	295.7	218.0	209.2	166.7	146.6	135.9	129.0	128.0
50°	2189.9	1868.4	763.4	231.7	184.2	177.4	149.1	132.9	125.6	121.2	120.2
52.5°	2283.8	1906.5	700.3	182.8	154.4	145.1	137.3	123.6	118.8	115.3	113.9
55°	2432.3	1980.3	645.6	145.1	128.5	126.6	129.5	118.3	115.3	110.0	108.0
57.5°	2292.6	1778.9	501.4	112.4	108.5	115.8	125.1	112.9	105.6	100.7	98.7
60°	1613.2	1182.7	252.2	90.4	96.8	108.5	117.8	102.1	94.8	95.8	94.8
62.5°	889.5	591.8	113.4	75.8	84.1	95.8	100.7	88.5	83.6	91.9	93.3
65°	290.8	201.4	65.5	58.6	66.5	78.2	87.0	84.1	83.1	92.9	95.8
67.5°	89.4	66.5	44.5	42.0	45.9	57.7	73.3	90.9	97.7	100.7	102.1
70°	67.0	52.3	38.1	35.7	37.6	44.0	62.1	75.8	71.4	71.8	70.9
72.5°	53.8	41.5	32.7	31.3	31.3	30.3	32.7	41.1	46.4	48.9	48.9
75°	37.6	29.3	24.9	23.0	18.1	14.7	13.2	13.2	11.7	11.2	10.8
77.5°	12.7	10.8	9.8	7.8	5.4	4.4	3.9	3.4	2.4	1.5	1.0
80°	2.0	1.5	1.0	1.0	1.0	0.5	0.5	0.5	0.0	0.0	0.0
82.5°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.0	0.0	0.0	0.0
85°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.0	0.0	0.0	0.0
87.5°	1.0	1.0	1.0	1.0	0.5	0.5	0.5	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)