

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: P630255

Luminaire Tested: GWS-SA1D-730-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630255
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-730-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5333.5 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

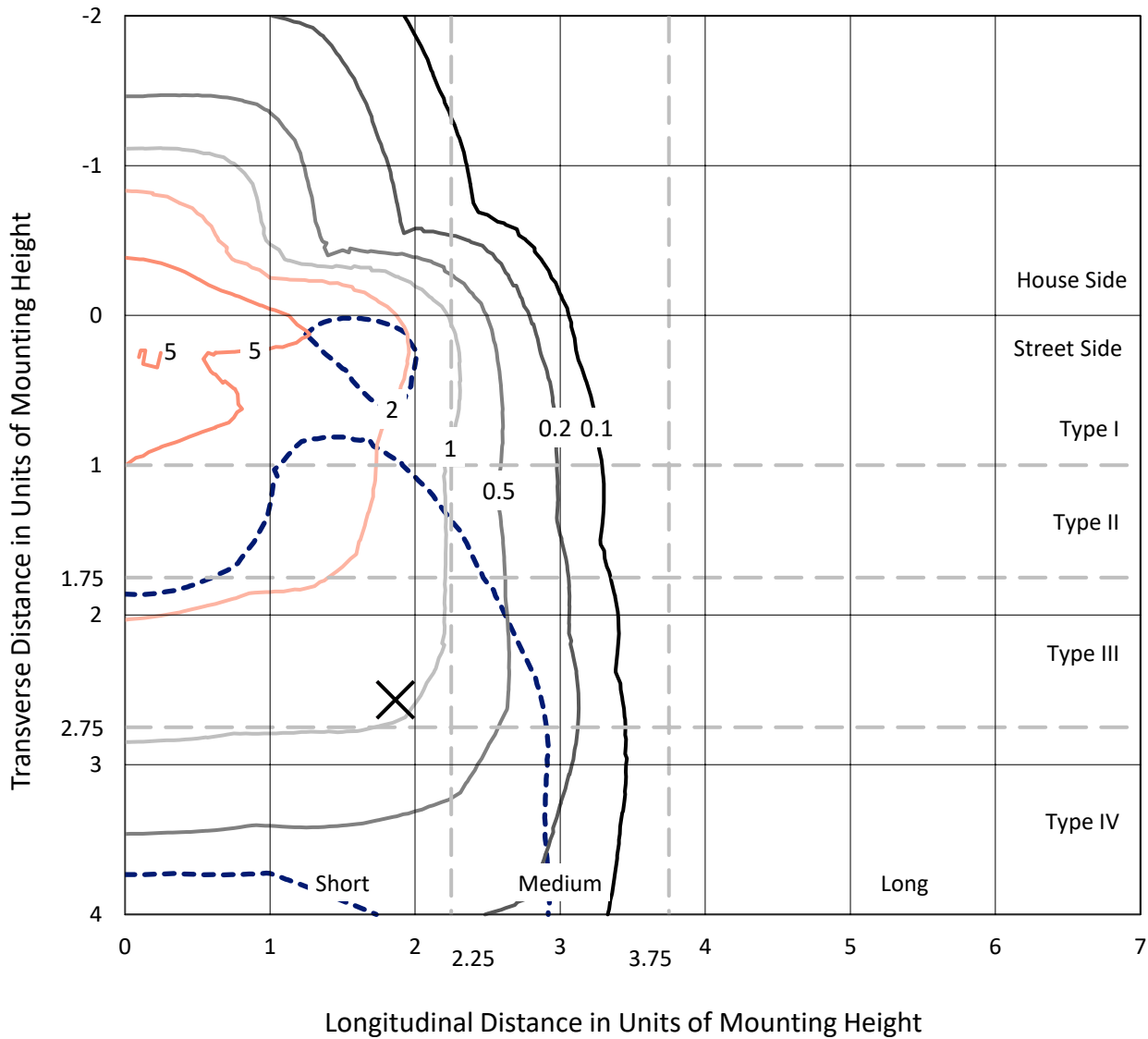
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

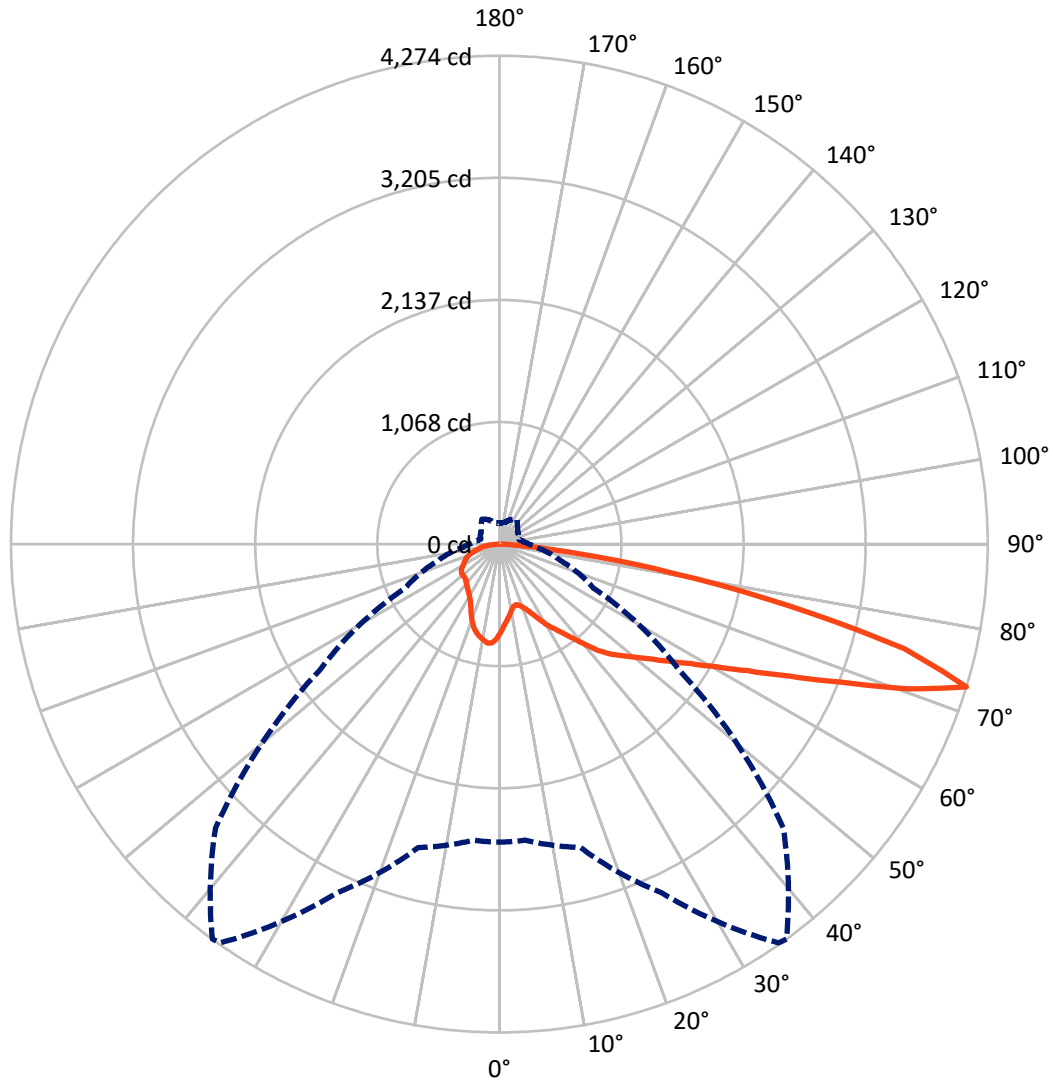
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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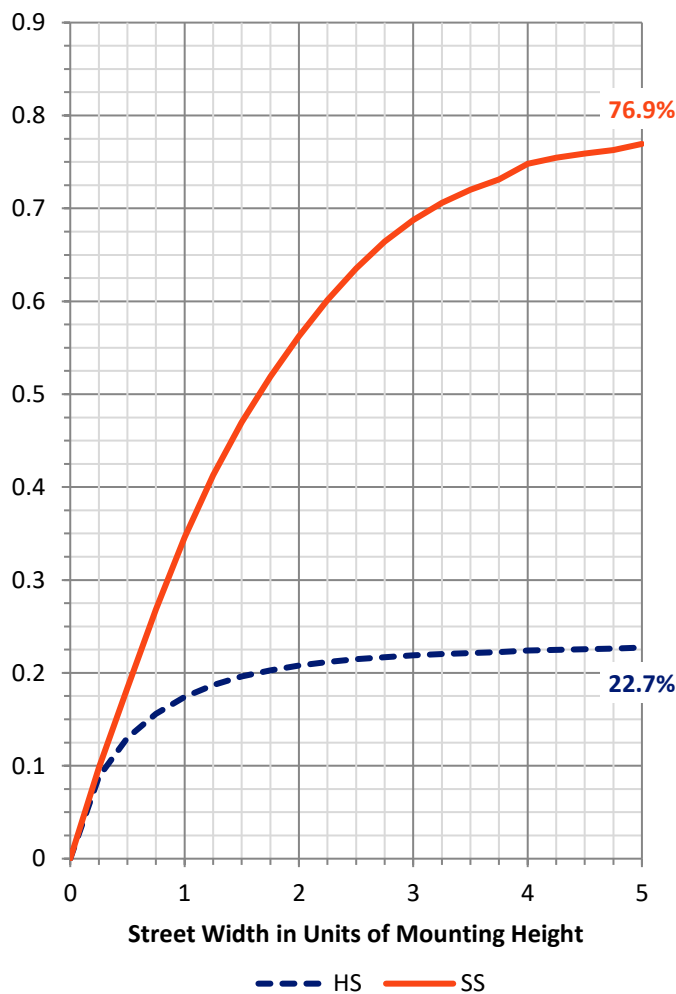
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1229.6	0.0	1229.6
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	4103.9	0.0	4103.9
	% Fixture	76.9	0.0	76.9
Total	Lumens	5333.5	0.0	5333.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.0	1.4
10°-20°	205.9	3.9
20°-30°	340.9	6.4
30°-40°	510.6	9.6
40°-50°	744.9	14.0
50°-60°	1060.2	19.9
60°-70°	1339.5	25.1
70°-80°	954.5	17.9
80°-90°	104.2	2.0
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°	5333.5	100.0
0°-180°	5333.5	100.0

Coefficient of Utilization



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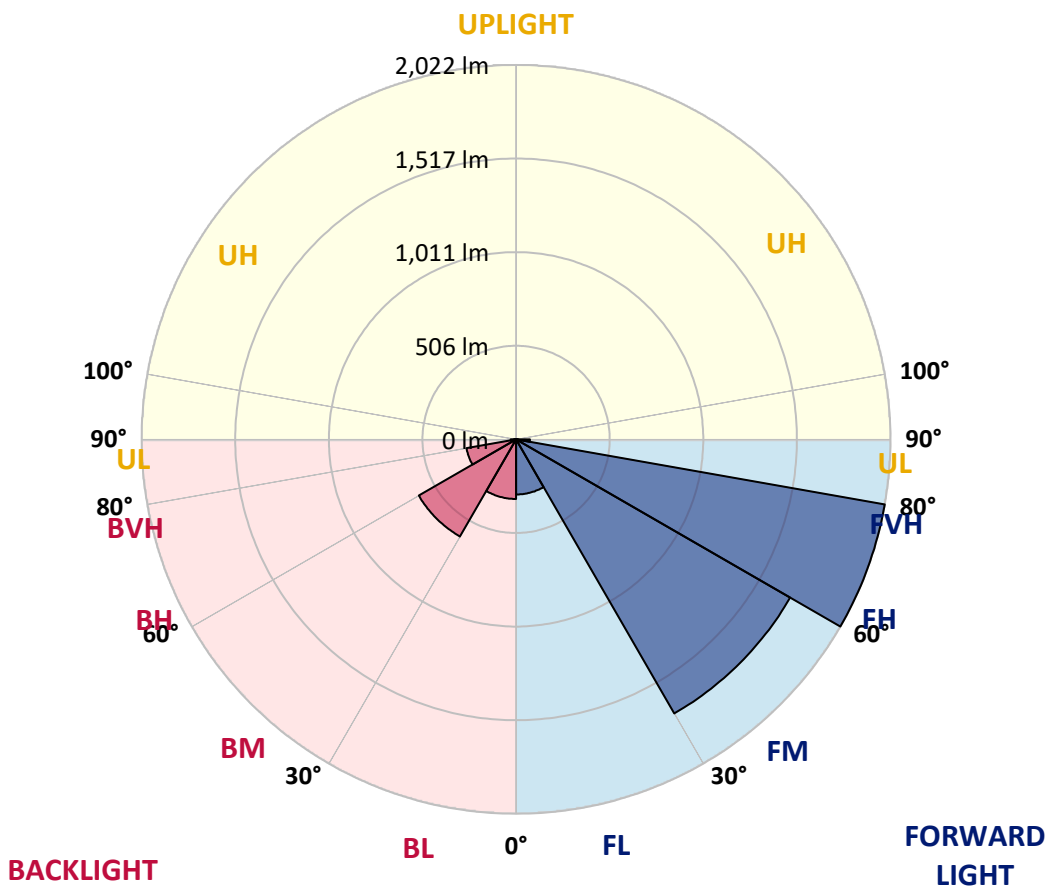
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	297.8	5.6			
FM (30°-60°)	1709.2	32.0			
FH (60°-80°)	2022.1	37.9			G2/5000
FVH (80°-90°)	74.8	1.4			G1/100
BL (0°-30°)	322.0	6.0	B1/500		
BM (30°-60°)	606.4	11.4	B1/1000		
BH (60°-80°)	271.8	5.1	B1/500		G1/500
BVH (80°-90°)	29.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6
2.5°	712.1	710.9	708.5	715.7	722.8	722.0	731.9	741.4	751.7	762.4	776.6
5°	655.1	654.3	652.3	663.0	673.7	673.3	689.5	705.0	726.0	748.9	777.4
7.5°	598.1	596.1	598.9	612.4	627.4	629.0	651.1	676.5	707.0	741.4	781.8
10°	547.8	547.4	548.6	563.7	586.2	587.8	616.3	651.5	691.9	737.8	791.7
12.5°	534.8	534.0	530.8	538.3	555.4	557.7	589.0	632.1	681.6	739.8	805.1
15°	556.1	554.2	543.1	539.5	547.8	549.8	576.3	620.7	675.7	743.4	822.1
17.5°	593.0	591.8	570.8	556.1	561.7	563.3	583.1	618.7	674.1	750.5	843.1
20°	646.8	641.6	608.8	586.6	586.6	589.0	600.9	627.4	676.1	759.2	866.9
22.5°	718.0	707.7	661.4	631.4	623.4	626.6	631.7	649.2	684.4	773.9	896.6
25°	798.0	788.5	733.5	691.1	680.0	681.2	676.9	680.0	702.6	794.0	933.4
27.5°	883.1	876.8	818.2	764.4	746.9	746.9	731.5	724.0	727.9	817.0	974.5
30°	959.1	950.4	900.9	841.9	819.0	819.0	789.7	773.5	764.0	845.1	1029.6
32.5°	999.1	993.9	961.1	916.0	887.9	883.5	858.2	839.2	817.0	886.7	1104.0
35°	1051.3	1050.1	1030.4	995.1	959.5	953.2	935.7	920.7	882.3	938.5	1202.9
37.5°	1117.0	1115.1	1111.9	1090.9	1048.2	1047.0	1031.5	1013.3	963.5	1013.3	1322.9
40°	1190.7	1187.1	1183.1	1182.7	1157.0	1152.7	1151.5	1130.9	1061.2	1103.6	1448.0
42.5°	1292.0	1279.7	1242.5	1259.1	1278.1	1274.2	1289.2	1258.4	1183.1	1210.9	1566.3
45°	1416.7	1386.6	1313.0	1317.7	1365.6	1373.5	1425.8	1418.3	1317.3	1334.7	1691.0
47.5°	1491.5	1465.4	1396.9	1392.9	1452.7	1462.6	1576.2	1590.5	1461.8	1484.0	1845.0
50°	1552.9	1534.6	1478.4	1484.0	1547.3	1557.2	1725.4	1755.9	1598.0	1636.8	2023.9
52.5°	1626.9	1600.7	1557.2	1583.3	1660.9	1672.8	1891.3	1924.1	1720.7	1804.6	2209.1
55°	1668.4	1657.7	1658.5	1698.5	1795.9	1812.1	2065.1	2059.5	1833.1	1948.3	2348.5
57.5°	1764.2	1760.3	1796.7	1811.7	1953.4	1974.4	2238.8	2191.3	1935.2	2059.5	2415.4
60°	1933.2	1923.3	1955.0	1978.0	2148.2	2177.9	2432.8	2320.4	2004.5	2142.2	2392.8
62.5°	2170.7	2158.5	2159.7	2196.1	2409.0	2440.3	2648.5	2428.0	2025.9	2154.9	2249.9
65°	2466.0	2448.2	2428.0	2477.5	2755.4	2781.5	2883.2	2506.4	1974.8	2033.0	1951.5
67.5°	2777.6	2762.9	2739.2	2842.9	3203.9	3219.7	3146.5	2499.7	1812.9	1706.8	1368.8
70°	2795.8	2799.3	2911.7	3287.0	3789.3	3793.3	3395.5	2364.3	1468.1	1106.4	682.0
72.5°	2608.1	2602.2	2748.7	3368.1	4260.3	4273.8	3513.0	1915.4	907.2	551.8	319.8
75°	2118.5	2128.8	2282.8	2947.0	3651.6	3663.4	2863.8	1129.3	431.1	270.0	204.6
77.5°	912.0	969.4	1273.0	2076.1	2615.3	2578.5	1476.1	457.6	230.0	192.4	156.7
80°	263.2	285.8	453.6	987.2	1567.1	1539.4	584.2	171.4	160.3	144.5	112.4
82.5°	85.1	94.2	166.2	393.1	702.2	701.4	221.7	101.3	104.9	98.2	72.4
85°	23.7	27.3	51.1	119.1	217.3	213.0	64.1	47.9	55.8	56.6	36.0
87.5°	0.0	0.0	0.4	0.8	0.8	0.8	1.6	7.1	16.2	20.6	14.6
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°	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6
2.5°	785.3	784.1	800.4	813.0	824.9	832.8	835.2	836.8	840.0	841.5	840.0
5°	790.9	796.8	823.7	843.5	859.4	868.9	869.2	868.5	870.8	868.9	867.7
7.5°	802.7	814.2	848.3	869.2	879.5	879.9	870.4	859.4	853.8	849.1	847.5
10°	818.6	835.6	872.8	886.7	883.5	868.9	847.9	830.5	820.6	813.4	811.9
12.5°	840.4	859.4	894.6	894.2	874.4	848.3	823.7	802.7	788.5	780.2	777.4
15°	860.9	885.1	910.4	891.8	860.5	828.9	797.2	769.1	750.1	737.0	734.7
17.5°	886.3	912.0	921.9	884.3	843.1	802.4	760.0	723.2	697.5	682.0	680.8
20°	915.6	938.5	927.4	871.2	820.6	767.1	709.7	668.6	640.9	625.8	627.0
22.5°	949.6	966.2	929.0	853.4	789.3	717.2	653.1	613.5	594.9	587.0	587.4
25°	986.0	996.7	926.2	829.3	741.4	656.3	594.9	576.7	575.1	573.2	574.0
27.5°	1029.2	1026.8	917.9	795.2	676.9	585.4	554.2	558.9	565.2	564.5	565.2
30°	1087.0	1064.4	907.2	748.1	600.1	526.1	530.0	543.5	551.8	552.6	555.0
32.5°	1153.1	1106.0	890.2	684.0	526.9	492.8	507.5	523.7	533.6	535.6	538.7
35°	1231.8	1153.5	860.1	604.0	474.2	473.0	486.5	497.6	508.2	509.0	509.0
37.5°	1322.5	1201.0	812.2	515.8	441.7	456.0	468.7	471.0	473.8	471.4	472.6
40°	1405.6	1246.9	744.2	435.4	415.2	441.0	451.6	443.7	435.0	429.1	430.3
42.5°	1475.3	1278.1	653.9	379.2	388.3	427.5	435.8	419.6	402.6	391.5	393.1
45°	1553.6	1307.0	547.8	341.2	365.4	418.0	423.5	402.6	380.8	364.2	361.8
47.5°	1661.7	1366.0	453.6	314.7	349.1	412.9	422.0	393.5	365.0	340.0	337.2
50°	1795.1	1449.5	374.9	297.3	341.6	410.1	421.6	383.6	349.5	320.2	318.2
52.5°	1940.8	1531.1	316.7	283.8	334.1	401.8	419.6	372.5	333.3	301.6	299.2
55°	2037.7	1563.1	277.5	271.1	321.8	388.7	411.7	361.8	308.7	279.9	276.3
57.5°	2066.2	1522.0	250.2	259.7	306.0	370.5	396.6	339.2	293.7	270.7	268.0
60°	2017.2	1418.3	233.1	250.2	288.6	347.1	370.5	326.2	281.8	261.2	259.3
62.5°	1878.6	1258.4	220.1	240.3	270.7	322.6	353.9	310.3	268.8	252.5	249.8
65°	1600.0	1031.9	209.4	230.0	253.7	299.2	335.7	294.5	254.5	242.2	239.1
67.5°	1119.0	724.8	197.9	217.7	236.7	276.7	316.7	279.9	239.9	230.8	227.6
70°	547.0	384.4	184.1	203.5	218.5	253.7	297.7	262.0	220.5	215.3	211.0
72.5°	260.5	214.9	167.8	184.1	193.6	223.2	266.0	236.3	197.5	186.4	178.9
75°	174.6	152.8	146.5	161.1	163.5	187.2	228.0	203.9	174.2	161.5	155.2
77.5°	132.2	116.8	123.1	136.2	131.4	154.0	187.6	181.7	157.1	145.7	142.5
80°	93.0	85.1	97.8	105.7	102.1	131.0	169.0	155.6	129.4	116.8	114.4
82.5°	58.6	57.0	72.0	73.2	74.4	103.7	138.9	122.3	100.5	82.7	76.8
85°	29.3	32.5	43.1	43.1	42.7	53.4	79.2	68.9	54.2	43.1	42.0
87.5°	9.9	13.9	18.6	15.0	11.5	9.1	10.3	12.7	13.5	13.1	13.1
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)