

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: P630831

Luminaire Tested: GWS-SA1E-740-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-740-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7424.7 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

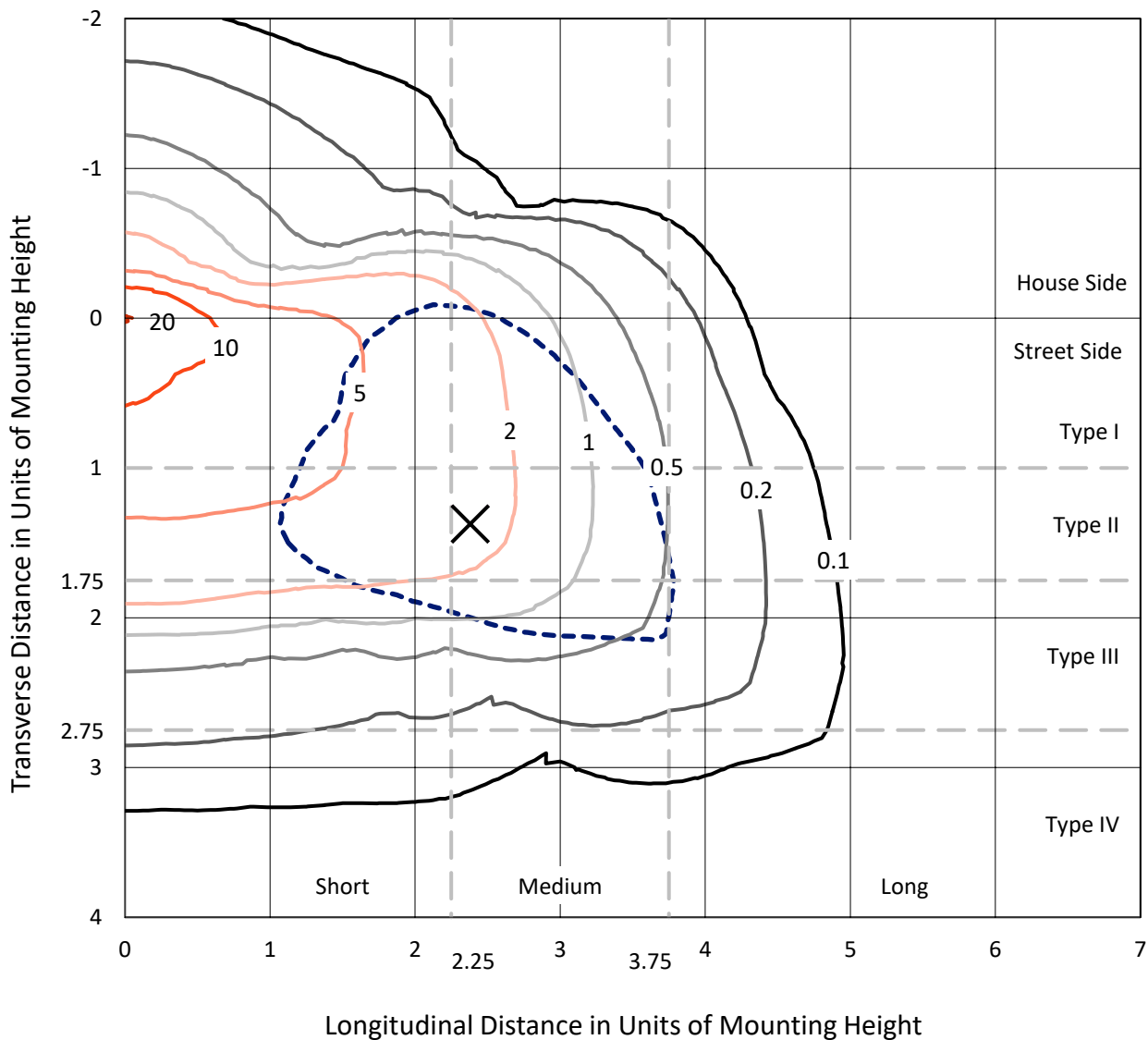
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

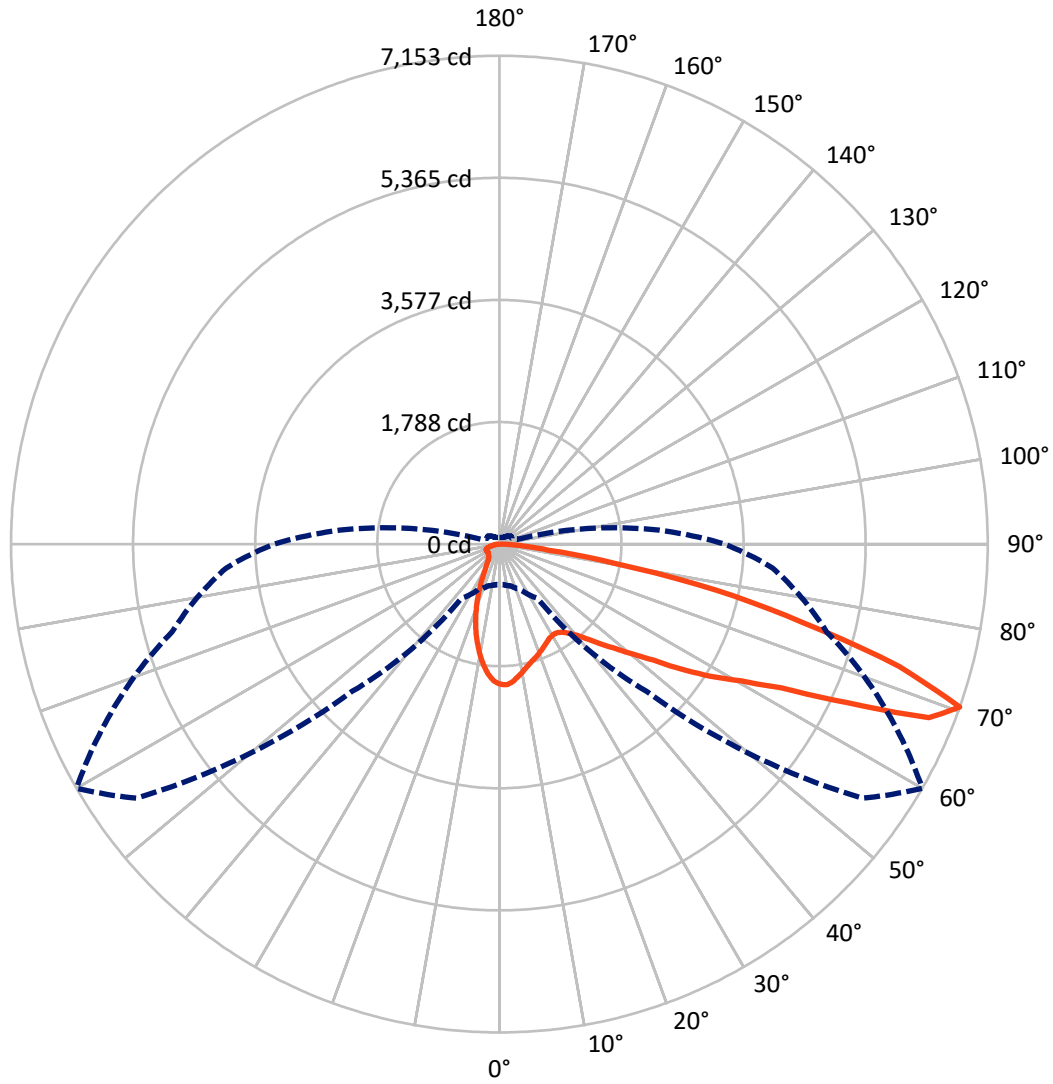
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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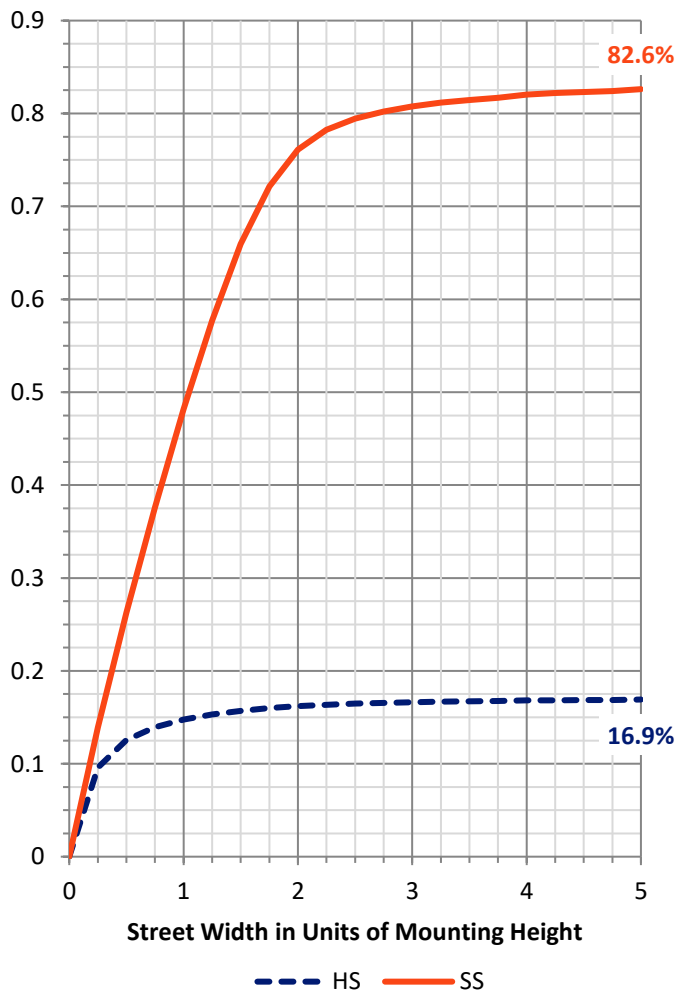
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1269.8	0.0	1269.8
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	6154.9	0.0	6154.9
	% Fixture	82.9	0.0	82.9
Total	Lumens	7424.7	0.0	7424.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.1	2.4
10°-20°	396.7	5.3
20°-30°	508.1	6.8
30°-40°	667.8	9.0
40°-50°	968.8	13.0
50°-60°	1511.6	20.4
60°-70°	1978.9	26.7
70°-80°	1094.3	14.7
80°-90°	121.4	1.6
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°	7424.7	100.0
0°-180°	7424.7	100.0

Coefficient of Utilization



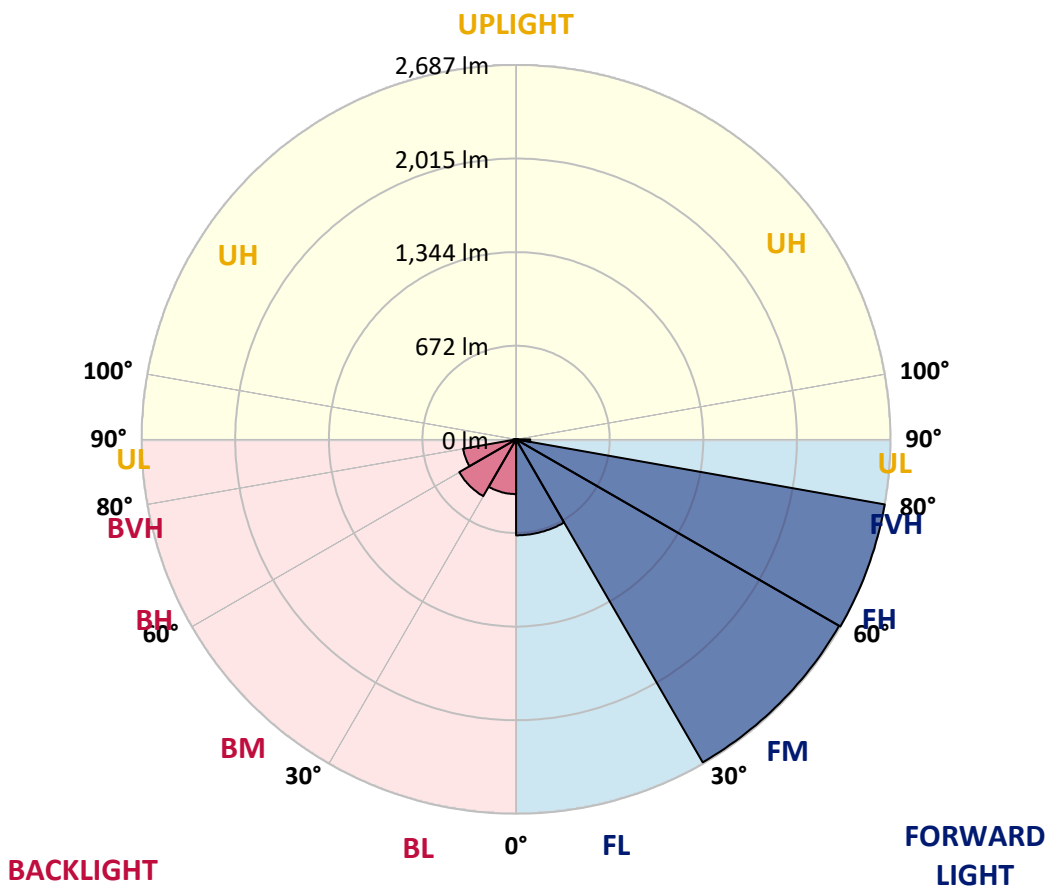
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	689.1	9.3			
FM (30°-60°)	2677.3	36.1			
FH (60°-80°)	2687.3	36.2			G2/5000
FVH (80°-90°)	101.2	1.4			G2/225
BL (0°-30°)	392.9	5.3	B1/500		
BM (30°-60°)	470.8	6.3	B1/1000		
BH (60°-80°)	385.9	5.2	B1/500		G1/500
BVH (80°-90°)	20.2	0.3			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2054.5	2054.5	2054.5	2054.5	2054.5	2054.5	2054.5	2054.5	2054.5	2054.5	2054.5
2.5°	2025.7	2027.9	2033.9	2042.6	2051.3	2055.6	2066.5	2063.2	2061.0	2056.7	2051.3
5°	1936.1	1940.4	1945.9	1962.7	1981.7	1996.9	2021.4	2024.1	2025.2	2027.3	2018.7
7.5°	1822.0	1823.1	1836.1	1858.4	1883.4	1909.5	1950.2	1961.6	1971.4	1982.3	1975.2
10°	1696.0	1698.7	1708.5	1740.5	1783.4	1822.0	1876.9	1895.9	1916.5	1940.4	1930.7
12.5°	1592.8	1593.3	1609.1	1643.3	1690.0	1742.2	1810.6	1833.4	1860.6	1898.1	1889.4
15°	1510.7	1510.7	1525.4	1554.7	1608.5	1669.9	1751.4	1780.7	1817.7	1868.2	1853.0
17.5°	1445.5	1446.1	1455.3	1486.3	1534.1	1602.0	1698.7	1738.3	1779.1	1845.9	1823.1
20°	1411.3	1408.6	1410.2	1429.2	1470.0	1535.7	1646.0	1692.2	1747.0	1830.7	1795.9
22.5°	1409.7	1404.8	1397.7	1399.4	1423.3	1477.6	1589.5	1645.5	1714.4	1818.2	1768.2
25°	1437.4	1432.0	1419.5	1405.3	1403.2	1435.8	1536.3	1599.8	1680.8	1812.8	1741.6
27.5°	1484.1	1480.3	1464.0	1442.8	1420.6	1419.5	1496.1	1562.3	1656.3	1818.2	1722.6
30°	1546.0	1539.5	1529.2	1502.0	1468.4	1433.6	1480.3	1542.2	1640.0	1835.6	1714.4
32.5°	1616.1	1612.3	1602.5	1575.4	1539.5	1484.1	1492.8	1546.6	1640.0	1866.0	1716.1
35°	1690.5	1690.0	1690.0	1672.1	1632.4	1563.4	1542.2	1583.5	1665.0	1914.9	1733.5
37.5°	1762.8	1762.3	1779.6	1786.2	1741.1	1666.6	1626.4	1657.4	1719.9	1987.1	1776.4
40°	1821.5	1823.6	1861.7	1894.3	1869.3	1800.3	1743.8	1759.5	1809.0	2089.8	1851.3
42.5°	1880.7	1886.7	1943.7	2001.3	2011.1	1951.3	1894.3	1903.5	1936.6	2225.6	1963.2
45°	1945.3	1948.0	2027.9	2108.3	2155.6	2120.2	2073.5	2086.0	2093.6	2393.5	2130.0
47.5°	2007.8	2014.9	2118.1	2228.3	2318.0	2314.7	2288.6	2284.8	2286.5	2597.7	2327.2
50°	2093.1	2103.4	2224.5	2357.6	2489.1	2549.4	2557.0	2528.2	2516.3	2824.8	2572.8
52.5°	2255.0	2255.0	2363.6	2494.5	2671.1	2820.5	2871.5	2824.3	2786.2	3064.9	2833.5
55°	2457.6	2466.3	2552.7	2658.6	2882.4	3105.7	3278.4	3226.3	3118.7	3326.2	3106.8
57.5°	2547.8	2558.6	2695.5	2860.1	3158.9	3430.0	3669.5	3651.1	3494.1	3597.8	3390.3
60°	2384.8	2407.6	2596.1	2872.1	3409.3	3953.1	4122.1	4068.3	3843.9	3883.0	3697.8
62.5°	1989.3	2014.3	2223.5	2608.6	3374.6	4518.6	4835.3	4637.0	4280.7	4243.2	4107.4
65°	1187.0	1185.9	1437.4	1948.0	2946.0	4675.6	5964.2	5594.2	4955.4	4737.5	4528.9
67.5°	754.6	752.9	805.6	1032.1	1960.5	4291.0	6689.9	6786.1	5871.8	5101.0	4563.7
70°	595.4	594.8	632.9	736.1	969.7	3053.5	6487.8	7153.3	6425.4	4962.4	4018.3
72.5°	434.0	435.1	493.8	616.6	748.0	1533.0	5253.6	6120.6	5909.8	4380.6	3262.1
75°	311.8	313.4	348.8	472.1	689.9	838.2	3493.5	4602.3	4496.3	3511.5	2244.1
77.5°	198.3	200.5	231.4	330.8	557.4	676.9	2118.1	3249.1	2991.6	1978.5	798.0
80°	121.1	128.2	154.3	246.6	445.5	507.9	1058.8	1711.7	1498.2	542.7	268.4
82.5°	62.5	67.9	92.9	152.6	306.9	446.0	599.2	719.2	463.9	227.1	142.9
85°	19.6	22.8	32.6	61.9	146.1	276.5	396.6	357.4	212.9	107.0	66.3
87.5°	4.9	4.9	5.4	5.4	6.0	12.5	76.6	80.9	56.5	33.7	27.2
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°	2054.5	2054.5	2054.5	2054.5	2054.5	2054.5	2054.5	2054.5	2054.5	2054.5	2054.5
2.5°	2040.4	2027.3	2021.9	2021.4	2007.8	1988.2	1975.2	1966.0	1960.5	1959.4	1959.4
5°	2004.0	1987.1	1964.9	1948.0	1911.6	1874.7	1843.7	1826.4	1806.3	1803.5	1803.0
7.5°	1955.6	1931.2	1888.8	1841.6	1778.0	1716.6	1664.5	1629.2	1593.8	1587.3	1585.2
10°	1903.5	1870.4	1798.1	1715.0	1619.9	1528.1	1448.3	1385.8	1344.5	1315.2	1309.7
12.5°	1851.9	1807.9	1702.0	1578.1	1447.7	1322.2	1202.2	1100.0	1026.2	983.3	975.6
15°	1803.5	1742.2	1597.1	1439.0	1269.5	1097.9	927.8	795.3	691.5	654.6	645.9
17.5°	1759.5	1682.9	1495.5	1295.1	1083.8	859.4	666.0	548.1	487.3	468.8	464.5
20°	1715.5	1622.1	1392.3	1143.5	886.6	635.0	486.7	431.3	408.5	401.4	399.3
22.5°	1668.3	1555.3	1279.9	994.1	687.2	475.3	398.2	373.7	366.7	367.2	366.7
25°	1621.0	1487.4	1162.0	831.7	511.7	385.7	347.7	338.4	340.1	345.0	346.0
27.5°	1581.9	1427.1	1046.3	653.5	399.8	331.9	314.0	313.4	319.4	325.9	327.0
30°	1553.6	1373.3	932.2	502.5	329.2	295.0	287.9	291.2	298.2	303.1	304.8
32.5°	1533.5	1327.1	810.5	394.9	288.5	268.9	265.6	268.9	273.2	278.1	279.2
35°	1526.5	1293.4	691.0	322.1	260.8	249.9	247.7	249.3	251.5	254.2	255.3
37.5°	1542.2	1276.6	566.0	280.3	243.9	237.4	234.1	233.0	233.6	234.7	235.2
40°	1589.0	1284.2	463.9	255.9	233.0	227.1	221.6	219.5	218.9	220.0	219.5
42.5°	1669.4	1316.3	390.0	241.7	224.4	215.7	209.7	207.5	207.5	210.2	210.2
45°	1787.2	1379.3	336.8	231.4	216.8	205.9	199.4	198.3	200.5	204.8	205.3
47.5°	1960.0	1471.6	304.8	223.8	209.7	197.2	190.7	190.1	194.5	201.5	202.1
50°	2164.8	1604.7	287.4	218.4	204.8	190.1	183.6	184.2	189.0	196.7	198.3
52.5°	2411.4	1786.2	288.5	216.2	202.1	185.8	179.3	178.2	183.1	190.7	192.3
55°	2666.2	2006.7	309.6	216.8	198.3	183.6	174.9	171.1	175.5	180.9	181.4
57.5°	2946.5	2255.5	362.3	215.7	193.4	181.4	171.1	162.4	165.1	168.4	170.0
60°	3262.7	2548.3	475.9	217.8	191.2	176.6	163.5	152.1	151.6	153.7	154.3
62.5°	3685.3	2946.5	603.5	221.6	196.1	170.6	152.1	140.2	138.0	139.1	139.6
65°	4008.5	3136.6	563.3	218.4	206.4	166.2	141.2	128.7	124.4	123.3	123.3
67.5°	3877.1	2885.1	392.2	209.7	211.3	166.8	132.5	116.8	111.4	108.6	108.1
70°	3299.1	2343.5	272.7	201.0	205.9	165.7	123.3	107.0	100.0	96.2	95.6
72.5°	2606.4	1789.4	220.6	183.6	186.9	149.4	109.7	96.2	90.2	85.3	85.3
75°	1677.5	1091.9	184.2	163.5	152.6	116.3	95.1	85.8	79.9	75.0	75.0
77.5°	564.4	405.3	142.9	138.5	114.1	87.5	79.9	73.9	69.0	64.6	64.1
80°	229.2	192.3	104.8	104.8	79.9	66.8	62.5	59.8	56.5	51.1	51.1
82.5°	133.1	116.8	73.3	63.6	53.2	46.2	43.5	40.7	40.7	36.9	36.9
85°	64.1	64.6	44.0	39.1	30.4	26.6	25.5	23.9	23.4	21.2	20.6
87.5°	34.8	35.3	22.3	17.4	12.0	10.3	8.7	8.1	7.6	7.1	7.1
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)