

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P949133

Luminaire Tested: **GALN-SB4A-722-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949133
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB4A-722-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11440 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



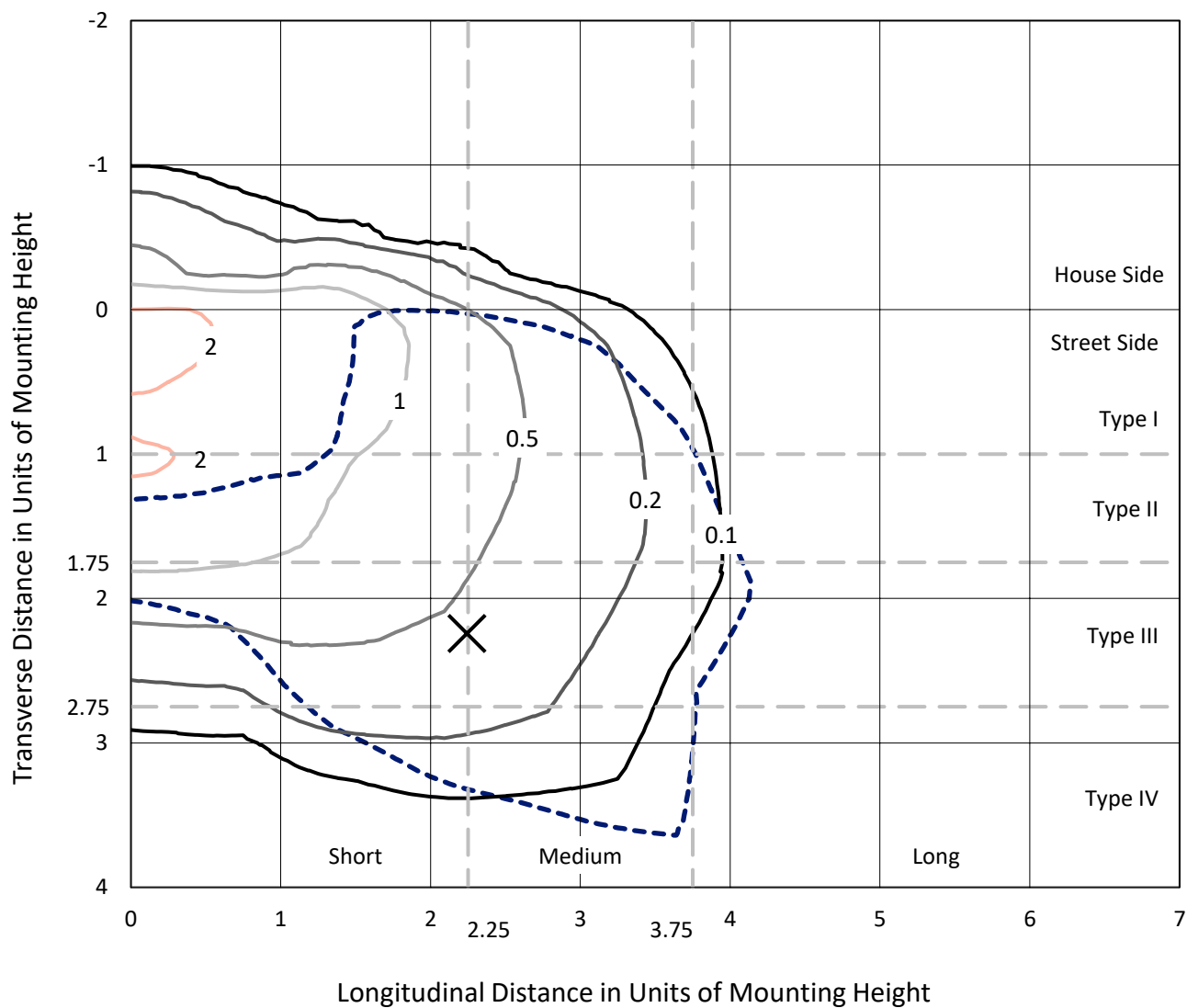
REPORT NUMBER: P949133

CATALOG NUMBER: GALN-SB4A-722-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



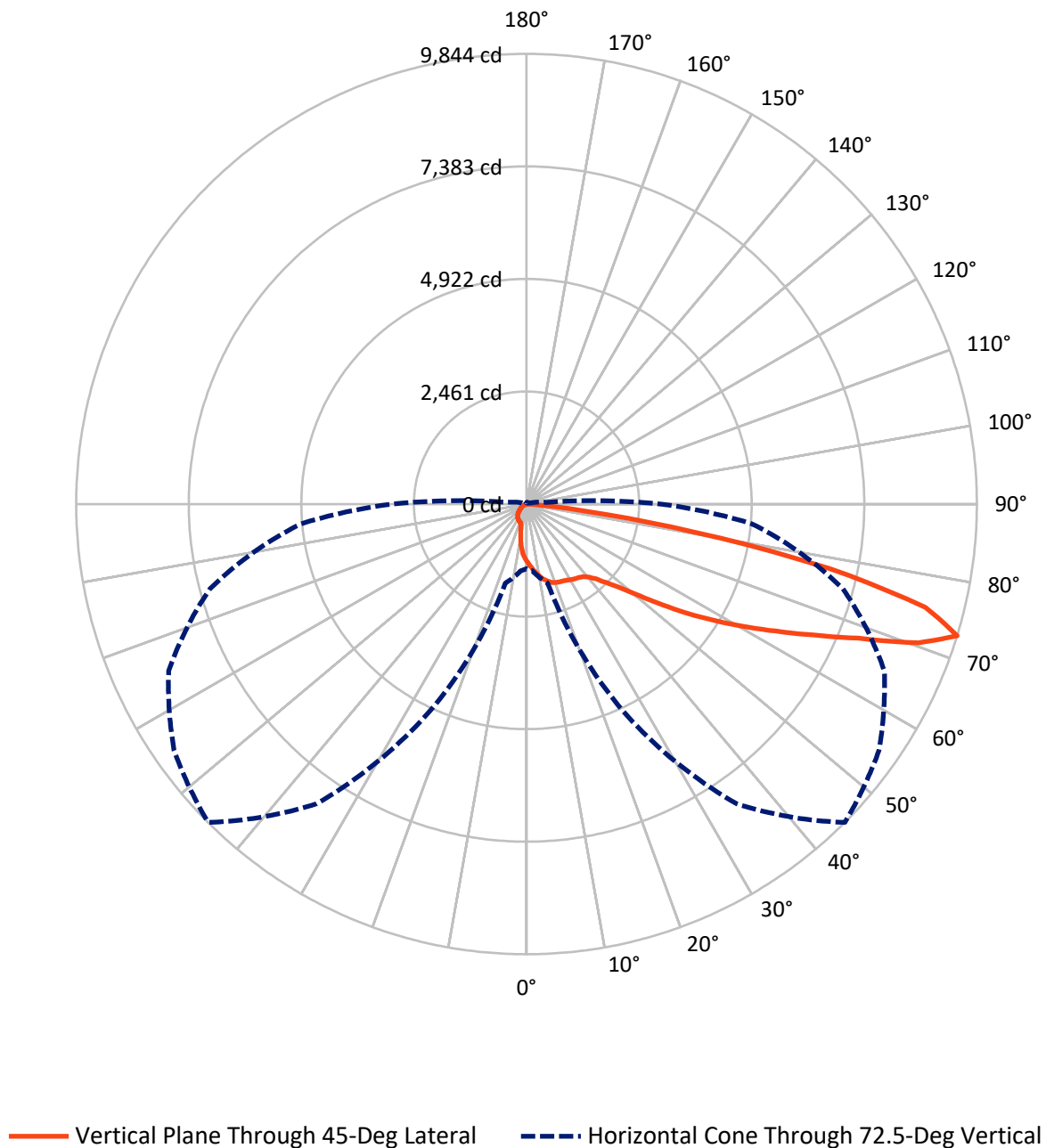
Based on 25 foot mounting height. Maximum calculated value = 2.8 fc

Type IV - Short - N/A

REPORT NUMBER: P949133

CATALOG NUMBER: GALN-SB4A-722-U-T4W-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P949133

CATALOG NUMBER: GALN-SB4A-722-U-T4W-HSS

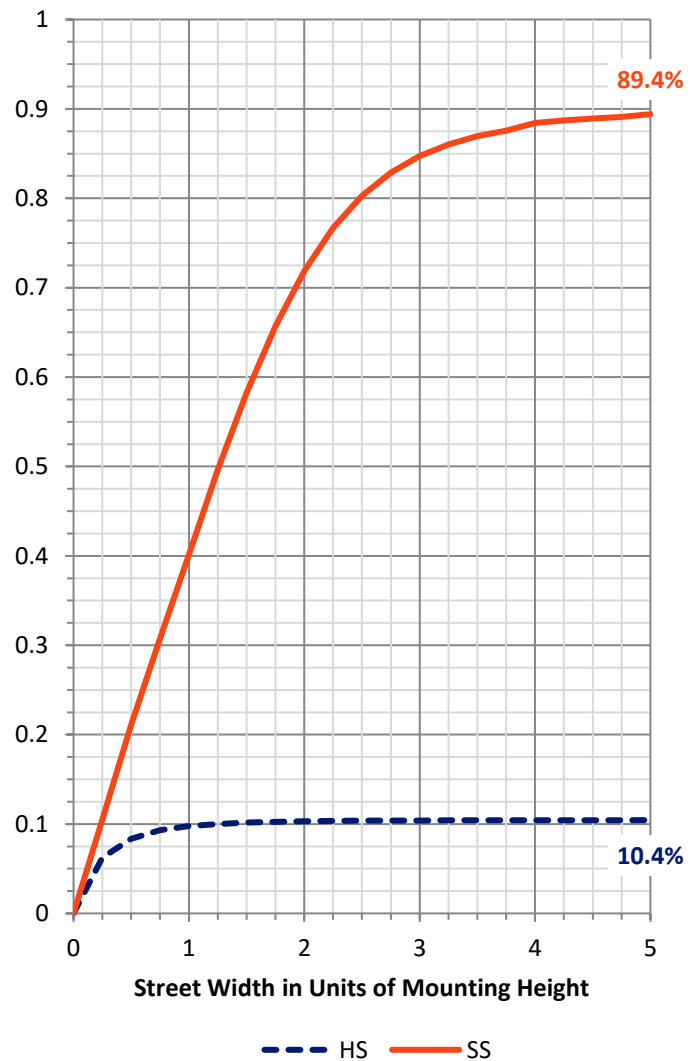
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1202.0	0.0	1202.0
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	10238.0	0.0	10238.0
	% Fixture	89.5	0.0	89.5
Total	Lumens	11440.0	0.0	11440.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.1	1.0
10°-20°	345.1	3.0
20°-30°	566.7	5.0
30°-40°	803.7	7.0
40°-50°	1328.5	11.6
50°-60°	2386.5	20.9
60°-70°	3313.8	29.0
70°-80°	2403.7	21.0
80°-90°	173.8	1.5
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°	11440.0	100.0
0°-180°	11440.0	100.0

Coefficient of Utilization



REPORT NUMBER: P949133

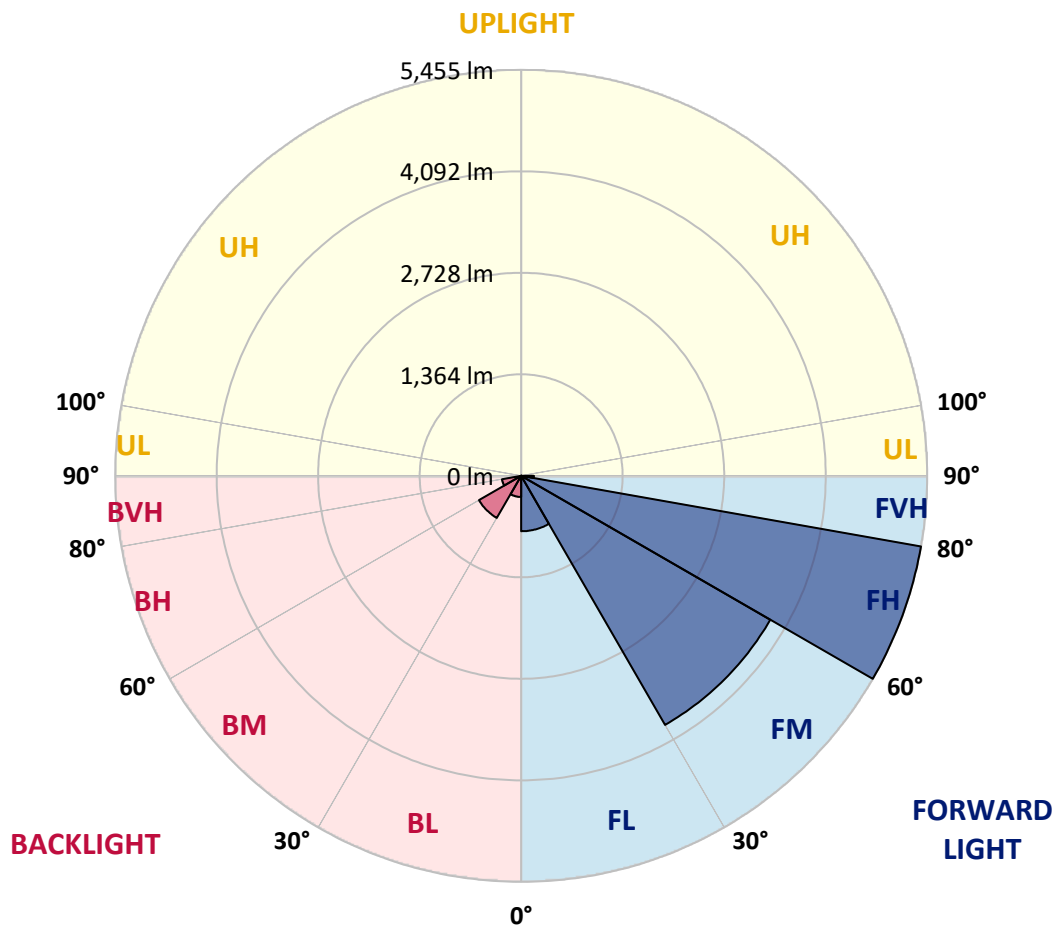
CATALOG NUMBER: GALN-SB4A-722-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	745.2	6.5			
FM	(30°-60°)	3865.0	33.8			
FH	(60°-80°)	5455.4	47.7			G3/7500
FVH	(80°-90°)	172.3	1.5			G2/225
BL	(0°-30°)	284.7	2.5	B1/500		
BM	(30°-60°)	653.7	5.7	B1/1000		
BH	(60°-80°)	262.1	2.3	B1/500		G1/500
BVH	(80°-90°)	1.5	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-G3

Type IV Short



REPORT NUMBER: P949133

CATALOG NUMBER: GALN-SB4A-722-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3
2.5°	1368.8	1371.2	1369.6	1360.3	1344.6	1336.0	1331.4	1315.7	1305.6	1287.6	1268.9
5°	1494.6	1503.9	1498.5	1479.7	1450.1	1429.0	1422.7	1390.7	1361.8	1328.2	1289.2
7.5°	1628.1	1632.8	1622.6	1598.4	1558.6	1522.7	1517.2	1472.7	1426.6	1375.1	1322.0
10°	1743.7	1749.1	1733.5	1698.4	1653.1	1608.6	1600.8	1551.6	1496.9	1433.7	1365.7
12.5°	1840.5	1845.9	1825.6	1783.5	1733.5	1687.4	1679.6	1628.1	1568.0	1497.7	1413.4
15°	1913.9	1924.0	1896.7	1851.4	1797.5	1751.5	1747.6	1696.8	1638.2	1560.2	1470.4
17.5°	1956.8	1967.0	1941.2	1886.6	1840.5	1801.4	1796.8	1754.6	1699.9	1625.0	1525.8
20°	1963.9	1973.2	1945.9	1898.3	1860.0	1828.8	1826.4	1796.0	1756.1	1684.3	1585.9
22.5°	1942.8	1954.5	1929.5	1891.2	1864.7	1848.3	1845.2	1828.0	1805.3	1744.4	1642.1
25°	1920.9	1930.3	1911.5	1878.0	1863.9	1862.3	1864.7	1861.6	1856.9	1805.3	1707.7
27.5°	1919.3	1929.5	1908.4	1876.4	1868.6	1885.0	1887.3	1902.2	1906.1	1860.8	1771.0
30°	1932.6	1939.7	1919.3	1885.8	1881.9	1919.3	1920.1	1946.7	1952.9	1907.6	1833.5
32.5°	1961.5	1969.3	1949.0	1899.8	1894.4	1946.7	1949.0	1984.2	1994.3	1957.6	1899.0
35°	2029.4	2038.8	2015.4	1938.9	1919.3	1972.4	1979.5	2020.9	2041.2	2010.7	1967.0
37.5°	2198.9	2171.6	2139.5	2017.7	1976.4	2013.1	2024.8	2073.2	2109.1	2074.0	2048.2
40°	2619.8	2533.9	2433.9	2152.0	2076.3	2099.7	2109.1	2157.5	2206.7	2172.3	2159.9
42.5°	3251.5	3150.0	2989.1	2461.3	2227.0	2238.7	2245.7	2287.9	2357.4	2330.1	2333.2
45°	3814.5	3777.8	3613.8	2989.1	2508.9	2451.1	2459.7	2481.6	2583.9	2573.7	2594.0
47.5°	4247.1	4226.0	4099.5	3595.1	2985.2	2711.1	2735.3	2745.5	2893.1	2929.0	2983.7
50°	4579.7	4571.9	4458.7	4133.9	3607.6	3094.5	3103.1	3081.3	3302.2	3391.3	3495.1
52.5°	4893.6	4920.2	4836.6	4634.4	4272.1	3596.6	3595.1	3492.0	3790.3	3924.6	4101.8
55°	5177.1	5186.5	5195.0	5145.1	4940.5	4168.2	4153.4	3984.7	4356.4	4495.4	4687.5
57.5°	5443.4	5447.3	5523.8	5626.1	5636.2	4782.0	4754.6	4552.4	4974.8	5074.0	5191.9
60°	5622.2	5640.1	5801.8	6086.0	6210.2	5415.2	5400.4	5194.3	5604.2	5650.3	5628.4
62.5°	5364.5	5473.8	5881.4	6445.2	6752.1	6117.2	6110.2	5916.6	6266.4	6228.9	6041.5
65°	4342.3	4527.4	5244.2	6688.0	7283.8	6901.2	6911.4	6705.2	6946.5	6824.7	6377.3
67.5°	3037.5	3232.8	4080.8	6707.6	7878.1	7821.8	7880.4	7557.1	7668.8	7395.5	6456.9
70°	2100.5	2201.2	2753.3	6287.5	8341.1	9090.0	9088.4	8603.5	8387.2	7655.5	6050.9
72.5°	1412.6	1464.9	1788.2	4988.1	8000.7	9843.5	9798.2	9403.1	8629.3	7159.7	4943.6
75°	595.8	634.1	827.7	2803.3	6329.6	9005.6	8883.0	8309.9	7667.2	5637.8	3084.4
77.5°	189.0	205.4	326.4	1003.4	3486.5	6769.3	6639.6	5189.6	5138.8	2828.3	1127.6
80°	89.8	104.6	183.5	402.9	1372.0	3681.7	3663.8	2354.3	2210.6	763.7	226.4
82.5°	39.0	46.1	101.5	215.5	613.8	1313.4	1340.0	801.2	662.9	289.7	69.5
85°	12.5	16.4	46.9	99.2	259.2	326.4	322.5	190.5	267.1	157.7	24.2
87.5°	0.0	0.0	15.6	22.6	26.5	18.7	21.1	16.4	74.2	43.7	8.6
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: P949133

CATALOG NUMBER: GALN-SB4A-722-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3
2.5°	1259.5	1247.0	1225.2	1204.9	1186.9	1168.9	1158.0	1142.4	1140.8	1140.8	1144.7
5°	1268.1	1247.8	1208.8	1167.4	1119.7	1074.5	1029.2	985.4	971.4	961.2	965.9
7.5°	1293.1	1261.1	1199.4	1120.5	1030.0	930.8	861.3	786.3	757.4	741.8	744.2
10°	1329.0	1285.3	1191.6	1053.4	906.6	771.5	672.3	591.1	559.9	546.6	546.6
12.5°	1368.8	1315.0	1177.5	969.8	771.5	609.8	513.0	475.5	470.9	470.9	470.9
15°	1416.5	1350.9	1153.3	871.4	630.2	482.6	448.2	449.8	454.5	457.6	457.6
17.5°	1465.7	1389.1	1115.1	761.3	505.2	434.2	434.9	437.3	441.2	444.3	444.3
20°	1518.8	1427.4	1064.3	644.2	433.4	420.1	422.4	424.8	427.9	429.5	430.3
22.5°	1575.8	1463.3	1004.2	529.4	409.2	408.4	409.2	411.5	415.4	415.4	417.0
25°	1636.7	1503.2	935.5	445.9	396.7	396.7	398.2	399.8	402.9	402.9	403.7
27.5°	1699.1	1539.9	862.8	402.1	385.7	385.0	385.0	387.3	388.9	389.6	390.4
30°	1767.9	1582.8	790.2	392.8	377.2	373.2	370.9	372.5	374.0	374.8	376.4
32.5°	1838.1	1624.2	725.4	396.7	368.6	361.5	353.7	352.2	352.2	355.3	357.6
35°	1916.2	1669.5	675.4	410.0	363.9	344.4	331.9	324.8	325.6	330.3	332.6
37.5°	2009.9	1724.1	638.7	421.7	360.8	324.8	304.5	295.9	290.5	295.9	294.4
40°	2132.5	1804.6	612.2	431.0	356.9	302.2	274.9	260.8	250.7	253.8	252.2
42.5°	2312.9	1931.1	602.0	431.8	348.3	275.6	244.4	225.7	210.8	211.6	208.5
45°	2565.9	2131.0	654.4	421.7	329.5	246.8	212.4	187.4	178.0	175.7	172.6
47.5°	2912.6	2422.2	775.4	400.6	302.2	218.6	181.2	160.1	153.0	149.1	146.8
50°	3377.2	2796.3	909.7	377.2	274.9	192.1	155.4	142.1	137.4	133.5	132.7
52.5°	3916.0	3175.7	1019.8	353.7	247.5	168.7	139.0	131.2	127.3	124.2	123.4
55°	4410.3	3437.3	1013.6	328.7	221.0	149.9	127.3	122.6	117.9	114.8	113.2
57.5°	4717.9	3474.0	835.5	301.4	190.5	135.1	116.3	113.2	107.8	103.9	103.1
60°	4859.3	3264.8	585.6	265.5	160.1	121.0	104.6	103.1	96.0	90.6	89.0
62.5°	4885.0	2875.9	390.4	221.0	133.5	107.8	92.9	90.6	81.2	71.8	67.2
65°	4780.4	2319.9	270.2	172.6	114.0	93.7	79.6	75.0	64.8	55.4	52.3
67.5°	4449.3	1628.9	188.2	124.2	96.8	74.2	63.2	61.7	53.9	46.1	43.7
70°	3842.6	928.4	125.7	92.9	76.5	50.8	50.0	51.5	43.7	37.5	34.4
72.5°	2946.2	424.8	78.1	67.9	52.3	34.4	39.8	40.6	33.6	28.1	25.0
75°	1734.3	181.9	49.2	43.7	26.5	22.6	28.9	29.7	22.6	18.0	15.6
77.5°	590.3	68.7	31.2	25.8	13.3	12.5	18.7	18.7	12.5	7.0	5.5
80°	134.3	25.8	15.6	10.2	6.2	5.5	6.2	5.5	3.1	0.8	0.0
82.5°	38.3	10.2	6.2	3.9	2.3	2.3	0.8	0.0	0.0	0.0	0.0
85°	10.9	4.7	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.7	0.8	0.0	0.0	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)