

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: P953049

Luminaire Tested: **GALN-SB6D-722-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953049
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6D-722-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49821 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 440.1
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



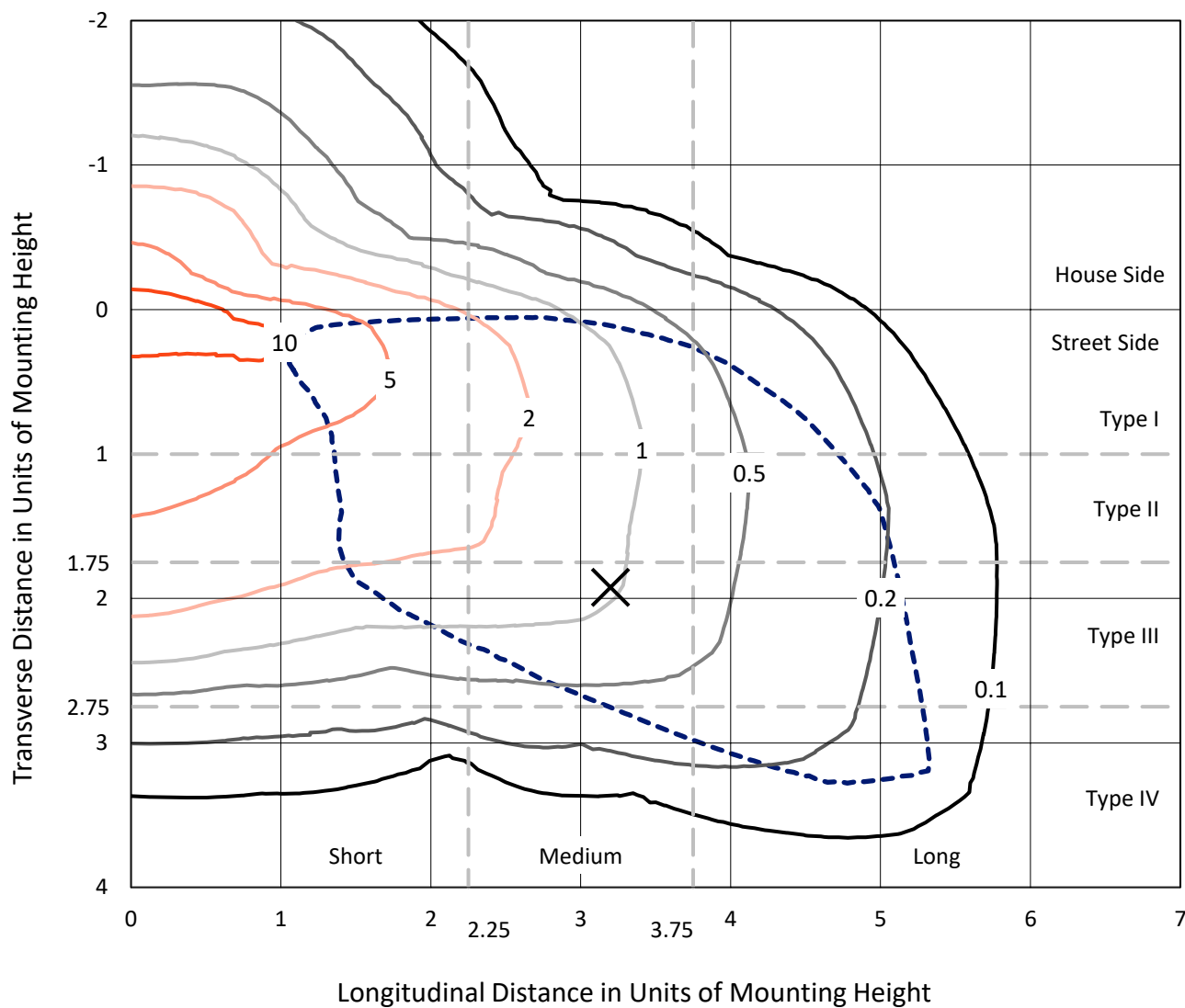
REPORT NUMBER: P953049

CATALOG NUMBER: GALN-SB6D-722-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

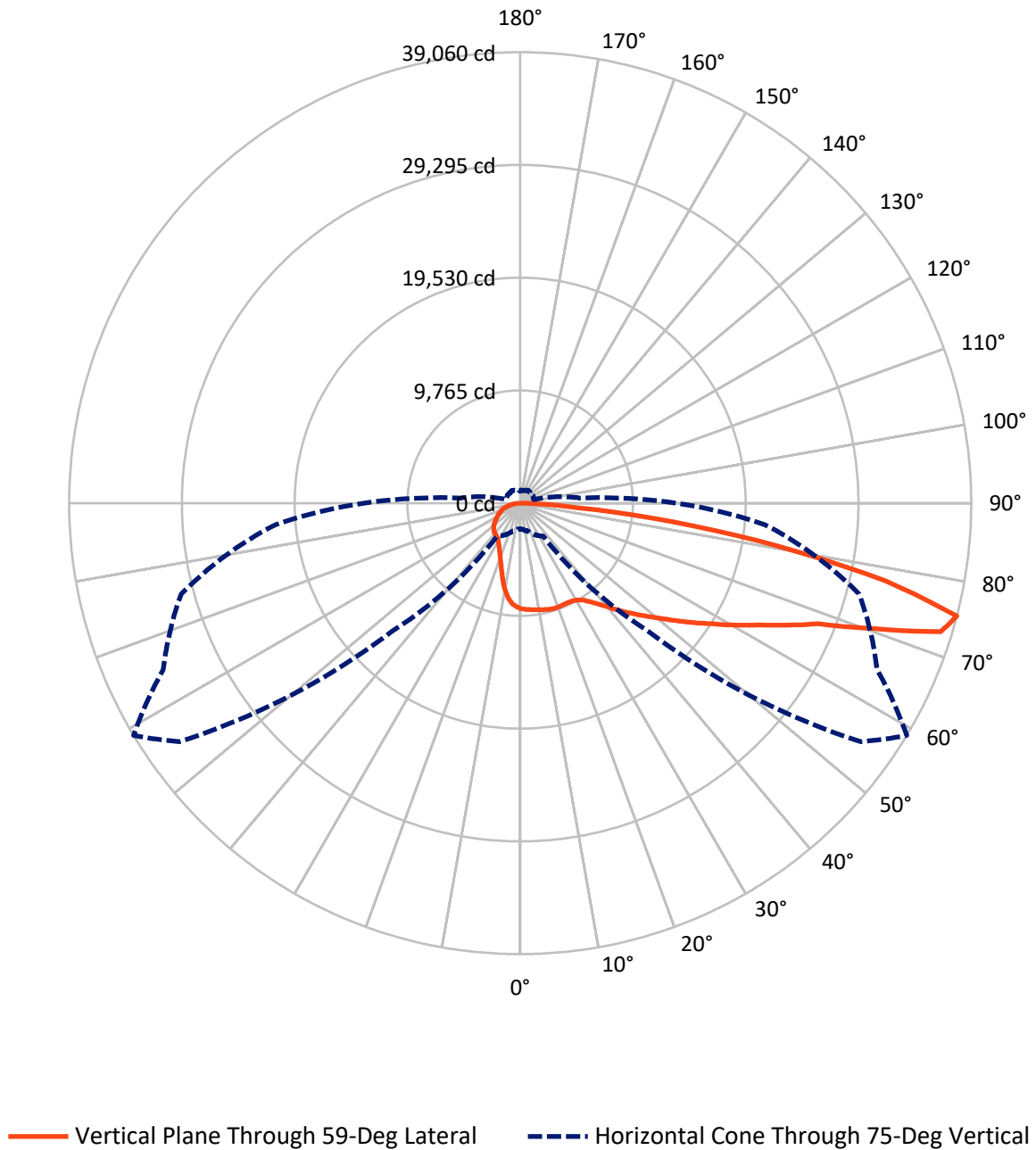
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.6 fc
Type IV - Medium - N/A

REPORT NUMBER: P953049
CATALOG NUMBER: GALN-SB6D-722-U-SL3

Luminous Intensity Polar Plot



REPORT NUMBER: P953049

CATALOG NUMBER: GALN-SB6D-722-U-SL3

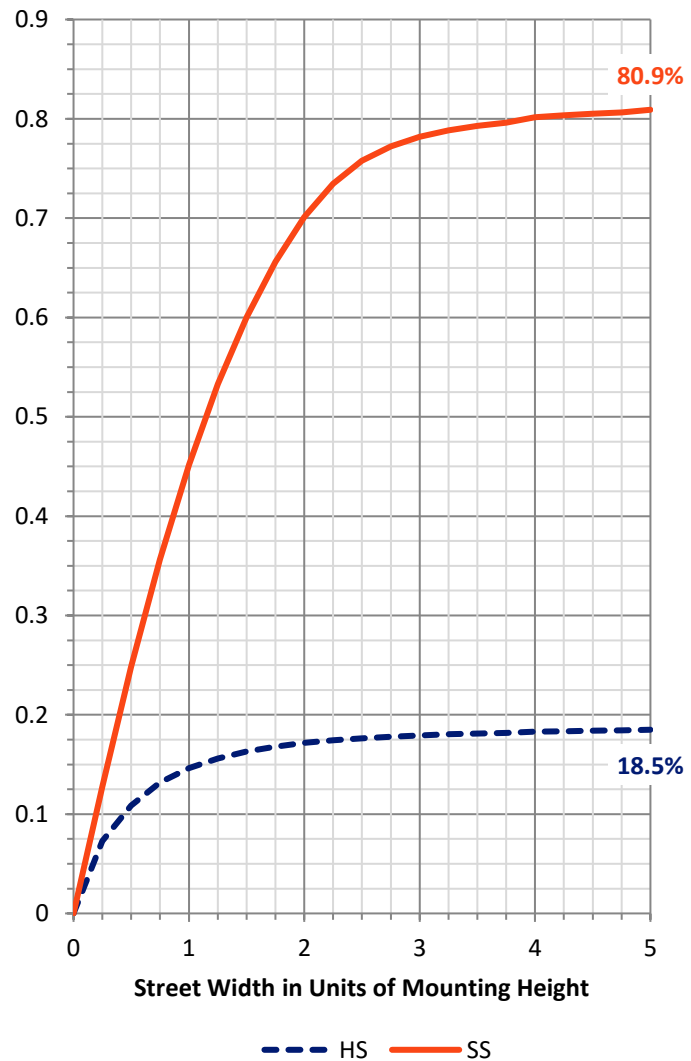
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9344.3	0.0	9344.3
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	40476.7	0.0	40476.7
	% Fixture	81.2	0.0	81.2
Total	Lumens	49821.0	0.0	49821.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	820.0	1.6
10°-20°	2095.9	4.2
20°-30°	3183.4	6.4
30°-40°	4732.1	9.5
40°-50°	7037.5	14.1
50°-60°	9552.5	19.2
60°-70°	11662.1	23.4
70°-80°	9152.2	18.4
80°-90°	1585.4	3.2
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°	49821.0	100.0
0°-180°	49821.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953049

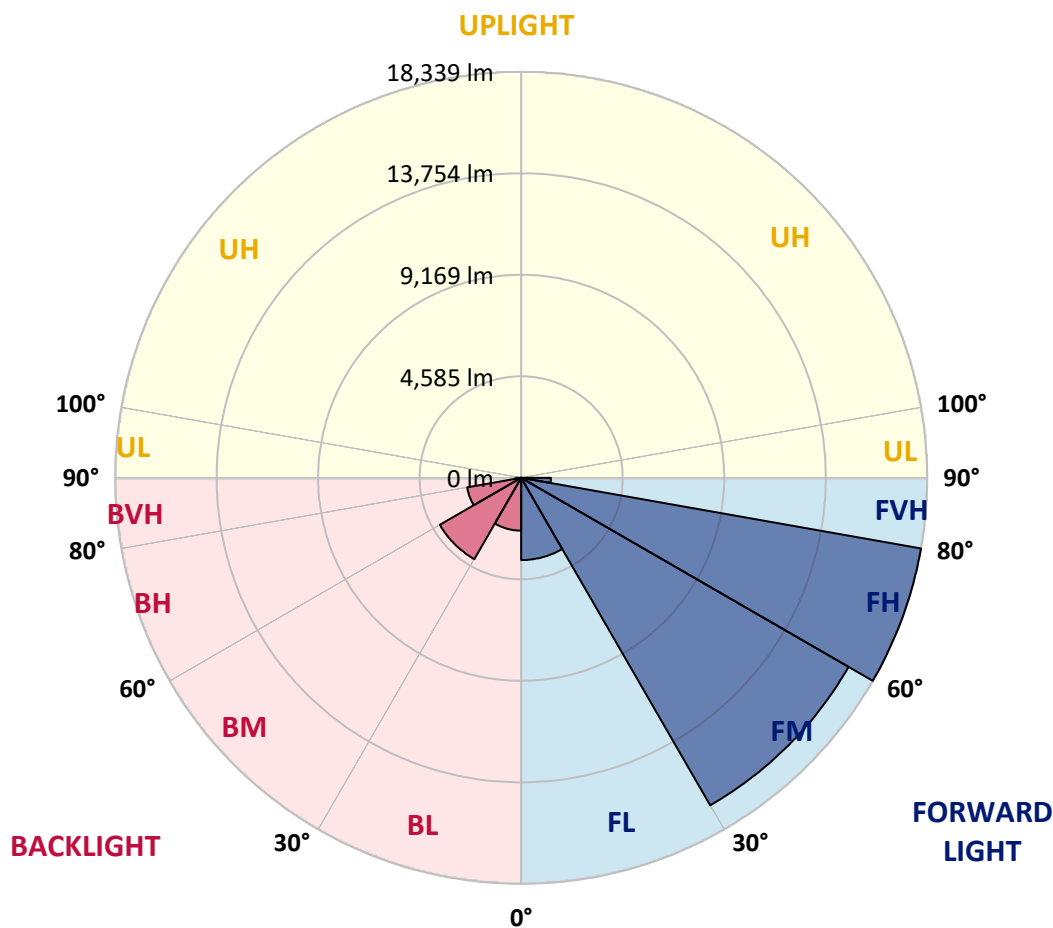
CATALOG NUMBER: GALN-SB6D-722-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3714.7	7.5			
FM	(30°-60°)	17080.7	34.3			
FH	(60°-80°)	18338.6	36.8			G5
FVH	(80°-90°)	1342.7	2.7			G5
BL	(0°-30°)	2384.6	4.8	B3/2500		
BM	(30°-60°)	4241.4	8.5	B3/5000		
BH	(60°-80°)	2475.7	5.0	B3/2500		G3/2500
BVH	(80°-90°)	242.7	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Medium



REPORT NUMBER: P953049

CATALOG NUMBER: GALN-SB6D-722-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	9144.5	9144.5	9144.5	9144.5	9144.5	9144.5	9144.5	9144.5	9144.5	9144.5	9144.5
2.5°	9222.3	9190.1	9222.3	9208.9	9203.5	9192.8	9195.5	9214.2	9203.5	9216.9	9171.3
5°	9160.6	9141.9	9174.0	9166.0	9200.8	9206.2	9241.0	9262.5	9275.9	9278.5	9243.7
7.5°	9058.8	9040.0	9085.6	9123.1	9198.1	9219.6	9291.9	9326.8	9345.5	9377.7	9326.8
10°	8686.2	8678.2	8790.8	8932.8	9109.7	9219.6	9329.5	9388.4	9417.9	9503.7	9444.7
12.5°	8026.9	8037.6	8185.1	8458.4	8812.2	9166.0	9372.3	9458.1	9503.7	9610.9	9584.1
15°	7397.1	7394.4	7555.2	7847.4	8343.2	8930.1	9393.8	9541.2	9618.9	9777.0	9755.6
17.5°	7032.6	7021.9	7134.5	7356.9	7817.9	8568.3	9340.2	9586.8	9752.9	9951.2	9932.5
20°	6965.6	6944.2	7003.1	7113.0	7440.0	8171.7	9200.8	9586.8	9860.1	10117.4	10106.7
22.5°	7209.5	7174.7	7150.5	7137.1	7281.9	7844.7	9042.7	9554.6	10018.2	10355.9	10337.2
25°	7700.0	7646.4	7523.1	7402.5	7359.6	7697.3	8903.3	9546.5	10254.1	10677.6	10607.9
27.5°	8493.3	8426.3	8177.0	7887.6	7627.6	7772.3	8841.7	9594.8	10514.1	11017.9	10878.6
30°	9476.9	9404.5	9090.9	8646.0	8179.7	8051.0	8919.4	9736.8	10846.4	11470.9	11197.5
32.5°	10358.6	10278.2	10010.2	9557.3	8927.4	8533.5	9166.0	10007.5	11369.0	12100.7	11677.2
35°	11141.2	11047.4	10806.2	10388.1	9844.0	9211.5	9610.9	10487.3	12111.4	13124.5	12328.5
37.5°	11907.7	11797.8	11535.2	11093.0	10712.4	10114.7	10224.6	11103.7	13097.7	14368.1	13191.5
40°	12765.4	12607.2	12288.3	11851.4	11481.6	11173.4	11031.3	11859.5	14100.1	15756.4	14268.9
42.5°	13596.2	13446.1	13065.5	12693.0	12229.3	12140.9	11966.7	12743.9	15196.2	17281.3	15362.4
45°	14491.4	14311.8	13850.8	13379.1	13087.0	12784.1	12872.6	13628.4	16270.9	18835.8	16509.5
47.5°	15330.2	15129.2	14585.2	14059.9	13899.0	13325.5	13703.4	14601.2	17388.6	20411.7	17645.8
50°	15783.2	15584.8	15131.9	14657.5	14531.6	13992.9	14603.9	15670.6	18559.8	21982.3	18736.6
52.5°	16161.1	15946.7	15354.3	15091.7	15054.2	14719.2	15713.5	16892.7	19731.0	23370.6	19789.9
55°	16563.1	16324.5	15568.8	15332.9	15504.4	15533.9	17029.4	18278.3	20969.2	24724.0	20784.2
57.5°	17026.7	16723.9	15775.1	15536.6	15944.0	16488.0	18541.0	19714.9	22185.9	25978.3	21668.7
60°	17463.6	17158.1	16171.8	15860.9	16418.4	17594.9	20275.0	21454.3	23563.5	27095.9	22504.9
62.5°	17549.4	17297.4	16488.0	16485.4	17061.6	18886.7	22328.0	23209.7	24766.9	28200.1	23255.3
65°	16064.6	15906.4	15426.7	16461.2	17983.5	20746.7	24614.1	25455.7	26297.2	29165.0	23914.6
67.5°	12226.7	12248.1	12213.3	14209.9	17238.5	23418.8	27924.1	27859.7	28186.7	30247.7	24673.1
70°	5590.7	5716.7	6536.8	9809.2	13810.6	23727.0	33396.8	32563.3	30558.6	31649.4	25329.7
72.5°	3020.5	3117.0	3452.0	4751.8	8303.0	21095.1	37486.7	38079.0	33713.1	32592.8	24608.8
75°	2216.5	2270.1	2503.2	3020.5	3486.8	15678.6	36020.7	39059.9	34107.1	30392.4	21250.6
77.5°	1659.0	1683.1	1873.4	2393.3	1785.0	8265.5	28781.7	32348.9	29197.1	24970.6	15697.4
80°	1203.4	1230.2	1372.2	1795.7	1251.6	3023.2	19763.1	22705.9	19996.3	15917.2	7823.2
82.5°	830.8	841.6	903.2	1222.1	873.7	1173.9	11213.6	13314.8	11162.7	5585.3	2111.9
85°	501.2	514.6	541.4	712.9	495.8	557.5	4840.3	5006.4	3336.7	1334.7	656.6
87.5°	206.4	219.8	241.2	300.2	195.6	155.4	798.7	1002.4	624.5	391.3	203.7
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: P953049

CATALOG NUMBER: GALN-SB6D-722-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9144.5	9144.5	9144.5	9144.5	9144.5	9144.5	9144.5	9144.5	9144.5	9144.5	9144.5
2.5°	9157.9	9139.2	9088.3	9018.6	8954.2	8873.8	8839.0	8809.5	8782.7	8731.8	8707.7
5°	9214.2	9163.3	9026.6	8849.7	8648.7	8428.9	8214.5	8067.1	7941.2	7847.4	7769.6
7.5°	9300.0	9203.5	8954.2	8592.4	8131.5	7659.8	7233.6	6930.8	6703.0	6619.9	6475.1
10°	9388.4	9273.2	8839.0	8201.1	7405.1	6678.8	6113.3	5802.4	5620.2	5561.2	5470.1
12.5°	9492.9	9324.1	8659.4	7657.1	6593.1	5797.1	5303.9	5121.7	5027.9	4995.7	5003.8
15°	9645.7	9367.0	8388.7	6976.3	5818.5	5153.9	4834.9	4709.0	4660.7	4658.0	4668.8
17.5°	9761.0	9375.0	7968.0	6247.3	5223.5	4765.2	4502.6	4454.3	4486.5	4534.7	4553.5
20°	9889.6	9302.7	7415.9	5582.7	4805.4	4424.9	4315.0	4347.1	4424.9	4494.5	4518.7
22.5°	9980.7	9171.3	6748.5	5065.4	4443.6	4229.2	4223.9	4290.9	4333.7	4368.6	4387.3
25°	10061.1	8948.9	6041.0	4631.2	4146.1	4111.3	4170.3	4148.8	4119.3	4148.8	4167.6
27.5°	10120.1	8597.8	5408.5	4250.7	3937.1	4030.9	3996.0	3947.8	3945.1	3961.2	3988.0
30°	10101.3	8128.8	4888.5	3888.8	3789.7	3880.8	3797.7	3789.7	3781.6	3789.7	3819.2
32.5°	10101.3	7595.4	4489.2	3639.6	3695.9	3661.0	3653.0	3634.2	3602.1	3599.4	3634.2
35°	10157.6	7062.1	4146.1	3505.6	3618.1	3535.1	3540.4	3494.9	3427.9	3395.7	3427.9
37.5°	10272.9	6633.3	3805.8	3441.3	3481.5	3478.8	3457.3	3379.6	3261.7	3159.8	3194.7
40°	10551.6	6507.3	3572.6	3411.8	3417.1	3449.3	3393.0	3242.9	2974.9	2808.8	2830.2
42.5°	10988.4	6719.0	3521.7	3339.4	3374.3	3406.4	3296.5	2948.1	2757.8	2658.7	2658.7
45°	11543.2	7088.9	3631.5	3234.9	3272.4	3328.7	3001.7	2835.6	2749.8	2752.5	2765.9
47.5°	12245.4	7477.5	3835.2	3143.8	3125.0	3157.2	2806.1	2704.2	2586.3	2615.8	2690.8
50°	13057.5	7871.5	4028.2	3020.5	2961.5	2857.0	2680.1	2583.6	2433.5	2363.9	2382.6
52.5°	13936.6	8252.1	4105.9	2870.4	2784.6	2664.0	2594.3	2476.4	2294.2	2178.9	2176.2
55°	14770.1	8597.8	4020.2	2690.8	2607.7	2513.9	2503.2	2430.9	2235.2	2074.4	2074.4
57.5°	15558.0	8887.2	3805.8	2508.6	2428.2	2371.9	2444.3	2409.4	2162.8	1956.5	1945.8
60°	16225.4	9085.6	3494.9	2323.7	2267.4	2237.9	2347.8	2337.1	2061.0	1830.5	1822.5
62.5°	16756.0	9163.3	3151.8	2146.8	2133.4	2079.8	2213.8	2213.8	1932.4	1707.2	1699.2
65°	17171.5	9088.3	2803.4	1972.6	1999.4	1919.0	2050.3	2034.2	1795.7	1597.3	1586.6
67.5°	17538.6	8841.7	2417.5	1801.0	1862.7	1760.8	1878.8	1841.2	1645.6	1487.5	1476.7
70°	17702.1	8268.1	1977.9	1629.5	1704.5	1605.4	1707.2	1637.5	1476.7	1369.5	1348.1
72.5°	16388.9	6871.8	1557.1	1449.9	1514.3	1433.9	1522.3	1441.9	1294.5	1246.3	1206.0
75°	13558.7	5156.5	1198.0	1254.3	1302.5	1240.9	1299.9	1240.9	1106.9	1141.7	1042.6
77.5°	9846.7	3481.5	916.6	1047.9	1069.4	1037.2	1088.1	1021.1	900.5	892.5	852.3
80°	4896.6	2039.6	718.3	828.2	820.1	798.7	857.6	825.5	723.6	766.5	758.5
82.5°	1417.8	873.7	522.6	581.6	565.5	570.9	613.7	629.8	943.4	935.4	956.8
85°	444.9	343.1	313.6	324.3	308.2	316.3	361.8	718.3	664.7	388.6	420.8
87.5°	115.2	117.9	77.7	83.1	85.8	101.8	115.2	436.9	209.0	136.7	144.7
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)