

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: P947736

Luminaire Tested: **GALN-SB3A-730-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947736
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-SB3A-730-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13154 lumens
Efficiency: N/A
Efficacy: 155.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 84.7
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



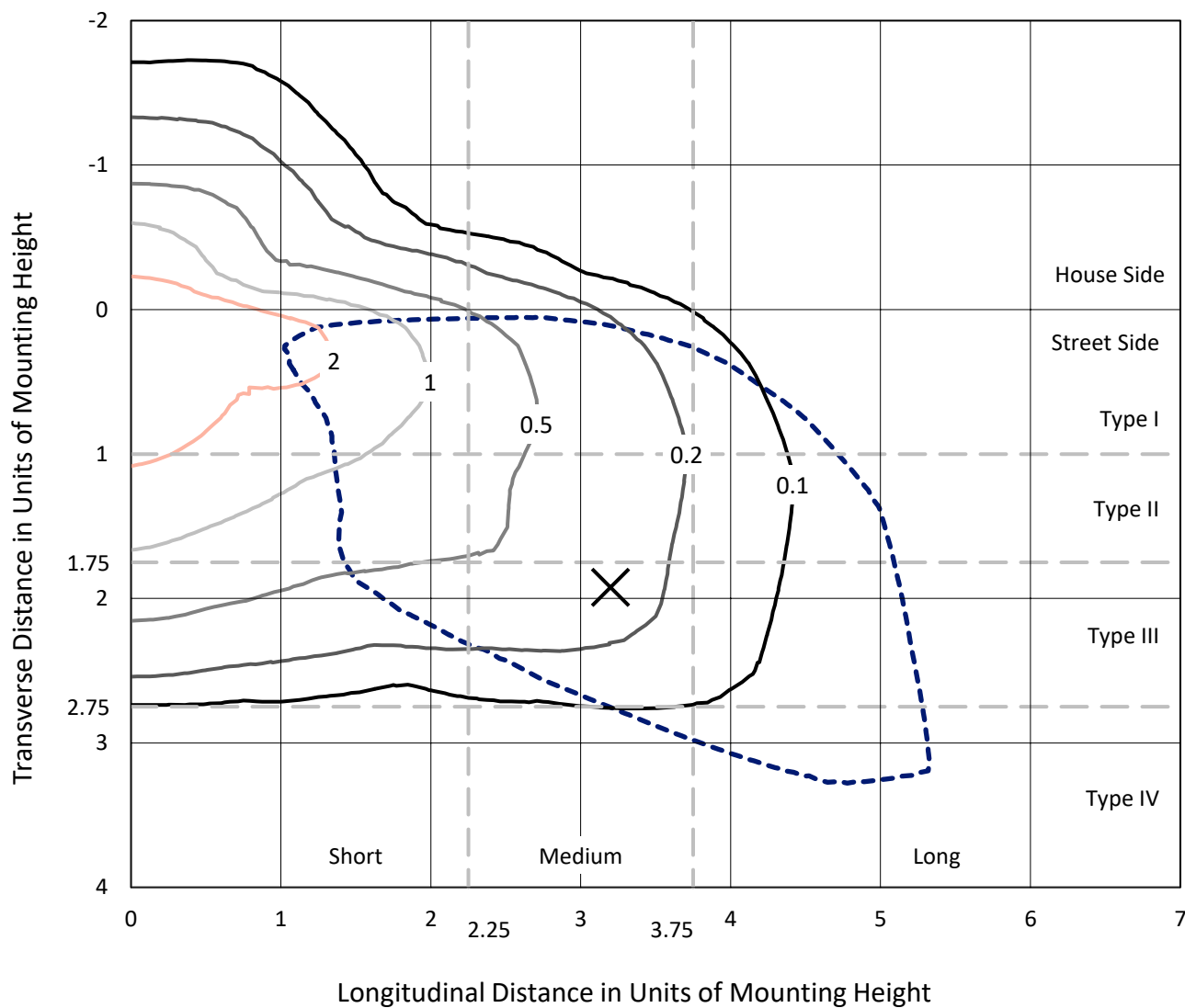
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

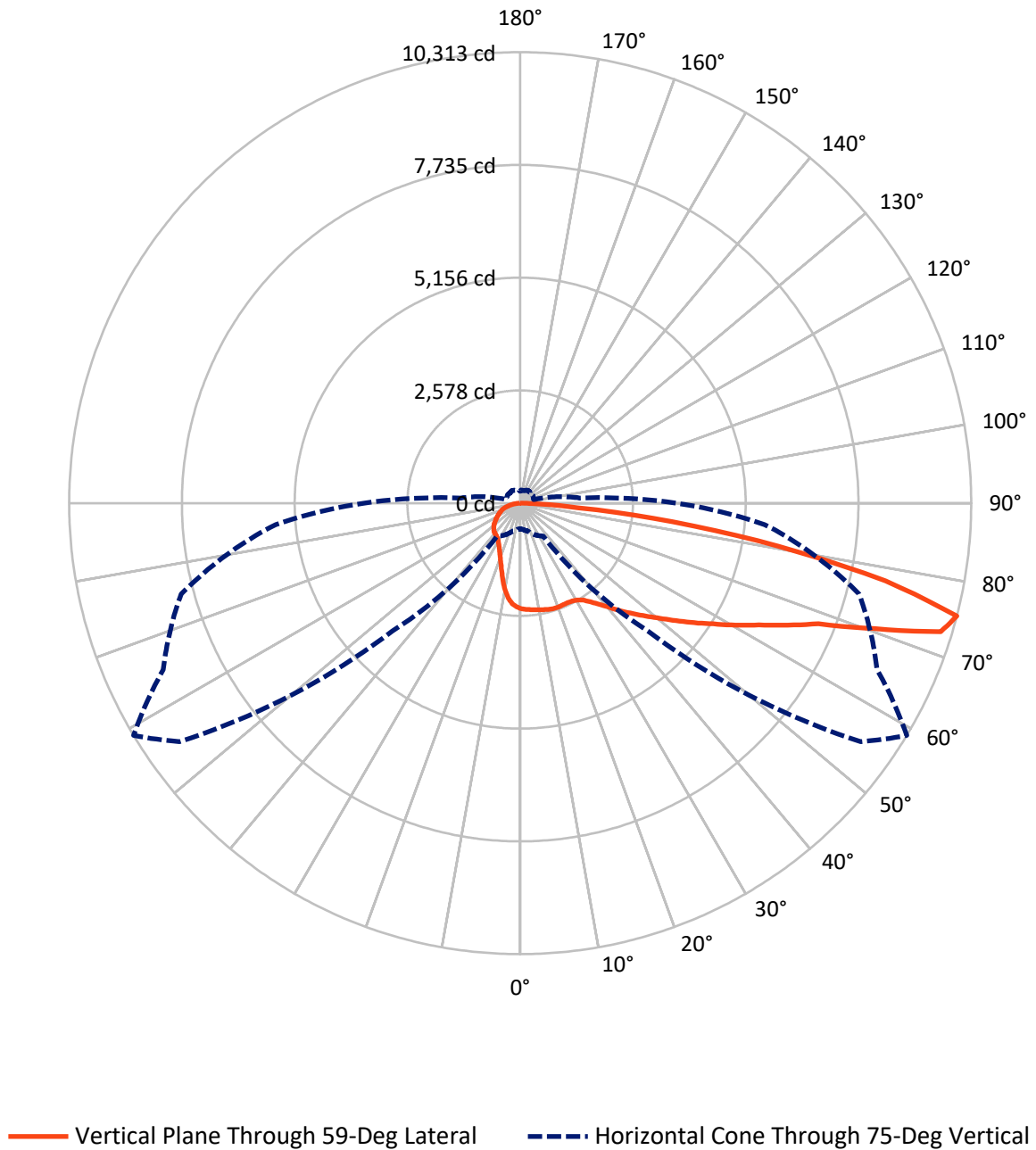


Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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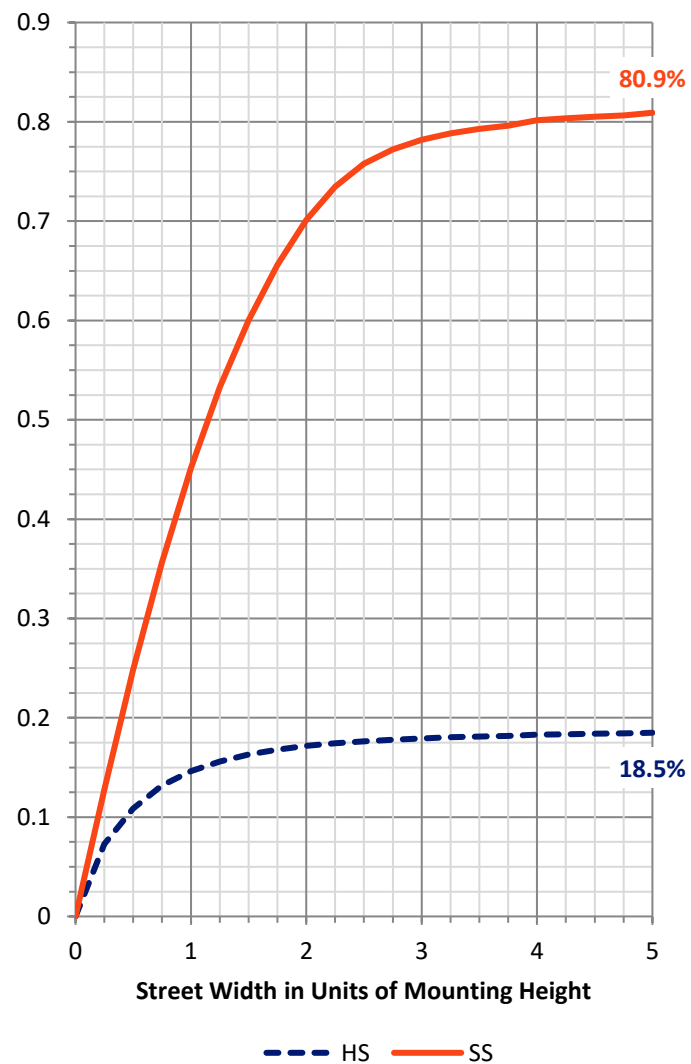
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2467.1	0.0	2467.1
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	10686.9	0.0	10686.9
	% Fixture	81.2	0.0	81.2
Total	Lumens	13154.0	0.0	13154.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.5	1.6
10°-20°	553.4	4.2
20°-30°	840.5	6.4
30°-40°	1249.4	9.5
40°-50°	1858.1	14.1
50°-60°	2522.1	19.2
60°-70°	3079.1	23.4
70°-80°	2416.4	18.4
80°-90°	418.6	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°	13154.0	100.0
0°-180°	13154.0	100.0

Coefficient of Utilization



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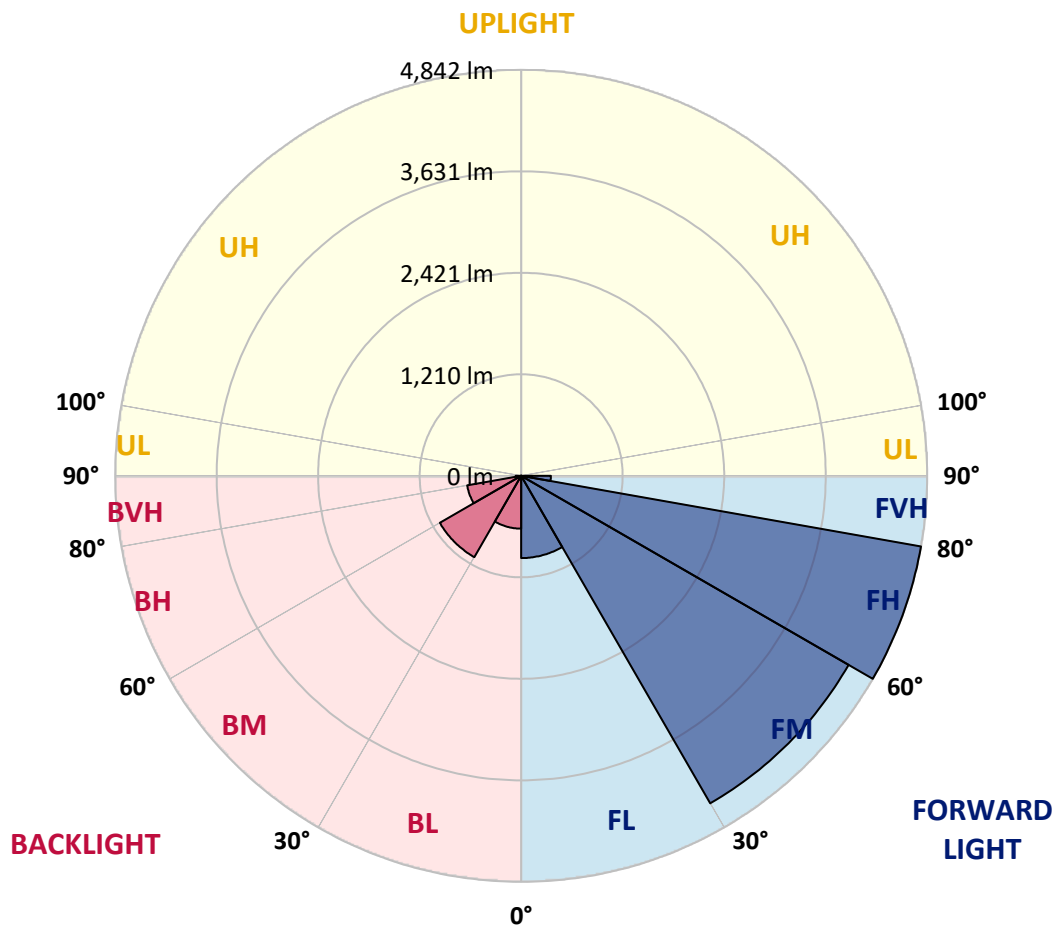
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	980.8	7.5			
FM	(30°-60°)	4509.7	34.3			
FH	(60°-80°)	4841.9	36.8			G2/5000
FVH	(80°-90°)	354.5	2.7			G3/500
BL	(0°-30°)	629.6	4.8	B2/1000		
BM	(30°-60°)	1119.8	8.5	B2/2500		
BH	(60°-80°)	653.6	5.0	B2/1000		G2/1000
BVH	(80°-90°)	64.1	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2414.4	2414.4	2414.4	2414.4	2414.4	2414.4	2414.4	2414.4	2414.4	2414.4	2414.4
2.5°	2434.9	2426.4	2434.9	2431.4	2430.0	2427.1	2427.8	2432.8	2430.0	2433.5	2421.5
5°	2418.6	2413.7	2422.2	2420.0	2429.2	2430.7	2439.9	2445.5	2449.1	2449.8	2440.6
7.5°	2391.7	2386.8	2398.8	2408.7	2428.5	2434.2	2453.3	2462.5	2467.5	2476.0	2462.5
10°	2293.4	2291.3	2321.0	2358.5	2405.2	2434.2	2463.2	2478.8	2486.6	2509.2	2493.6
12.5°	2119.3	2122.1	2161.1	2233.2	2326.6	2420.0	2474.5	2497.2	2509.2	2537.5	2530.4
15°	1953.0	1952.3	1994.8	2071.9	2202.8	2357.8	2480.2	2519.1	2539.6	2581.4	2575.7
17.5°	1856.8	1854.0	1883.7	1942.4	2064.1	2262.2	2466.0	2531.1	2575.0	2627.4	2622.4
20°	1839.1	1833.4	1849.0	1878.0	1964.3	2157.5	2429.2	2531.1	2603.3	2671.3	2668.4
22.5°	1903.5	1894.3	1887.9	1884.4	1922.6	2071.2	2387.5	2522.7	2645.1	2734.2	2729.3
25°	2033.0	2018.8	1986.3	1954.4	1943.1	2032.3	2350.7	2520.5	2707.3	2819.1	2800.7
27.5°	2242.4	2224.7	2158.9	2082.5	2013.9	2052.1	2334.4	2533.3	2776.0	2909.0	2872.2
30°	2502.1	2483.0	2400.2	2282.8	2159.6	2125.7	2354.9	2570.8	2863.7	3028.6	2956.4
32.5°	2734.9	2713.7	2642.9	2523.4	2357.1	2253.1	2420.0	2642.2	3001.7	3194.9	3083.1
35°	2941.6	2916.8	2853.1	2742.7	2599.1	2432.1	2537.5	2768.9	3197.7	3465.2	3255.0
37.5°	3143.9	3114.9	3045.6	2928.8	2828.3	2670.5	2699.6	2931.7	3458.1	3793.5	3482.9
40°	3370.4	3328.6	3244.4	3129.1	3031.4	2950.1	2912.5	3131.2	3722.8	4160.1	3767.4
42.5°	3589.7	3550.1	3449.6	3351.3	3228.9	3205.5	3159.5	3364.7	4012.2	4562.7	4056.1
45°	3826.1	3778.7	3657.0	3532.4	3455.3	3375.3	3398.7	3598.2	4295.9	4973.1	4358.9
47.5°	4047.6	3994.5	3850.8	3712.2	3669.7	3518.3	3618.0	3855.1	4591.0	5389.2	4658.9
50°	4167.2	4114.8	3995.2	3870.0	3836.7	3694.5	3855.8	4137.4	4900.2	5803.9	4946.9
52.5°	4266.9	4210.3	4053.9	3984.6	3974.7	3886.2	4148.8	4460.1	5209.5	6170.4	5225.0
55°	4373.1	4310.1	4110.5	4048.3	4093.6	4101.3	4496.2	4825.9	5536.4	6527.8	5487.6
57.5°	4495.5	4415.5	4165.0	4102.1	4209.6	4353.3	4895.3	5205.2	5857.6	6858.9	5721.1
60°	4610.8	4530.2	4269.8	4187.7	4334.9	4645.5	5353.1	5664.5	6221.4	7154.0	5941.9
62.5°	4633.5	4567.0	4353.3	4352.5	4504.7	4986.6	5895.2	6128.0	6539.1	7445.5	6140.0
65°	4241.5	4199.7	4073.0	4346.2	4748.1	5477.7	6498.7	6720.9	6943.1	7700.3	6314.1
67.5°	3228.1	3233.8	3224.6	3751.8	4551.4	6183.2	7372.7	7355.7	7442.0	7986.2	6514.3
70°	1476.1	1509.3	1725.9	2589.9	3646.3	6264.5	8817.6	8597.5	8068.2	8356.2	6687.7
72.5°	797.5	823.0	911.4	1254.6	2192.2	5569.6	9897.4	10053.8	8901.1	8605.3	6497.3
75°	585.2	599.4	660.9	797.5	920.6	4139.6	9510.4	10312.8	9005.1	8024.4	5610.7
77.5°	438.0	444.4	494.6	631.9	471.3	2182.3	7599.1	8540.9	7708.8	6592.9	4144.5
80°	317.7	324.8	362.3	474.1	330.5	798.2	5218.0	5994.9	5279.5	4202.5	2065.5
82.5°	219.4	222.2	238.5	322.7	230.7	309.9	2960.7	3515.4	2947.2	1474.7	557.6
85°	132.3	135.9	142.9	188.2	130.9	147.2	1278.0	1321.8	881.0	352.4	173.4
87.5°	54.5	58.0	63.7	79.3	51.7	41.0	210.9	264.6	164.9	103.3	53.8
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°	2414.4	2414.4	2414.4	2414.4	2414.4	2414.4	2414.4	2414.4	2414.4	2414.4	2414.4
2.5°	2417.9	2413.0	2399.5	2381.1	2364.1	2342.9	2333.7	2325.9	2318.9	2305.4	2299.0
5°	2432.8	2419.3	2383.3	2336.5	2283.5	2225.5	2168.8	2129.9	2096.7	2071.9	2051.4
7.5°	2455.4	2430.0	2364.1	2268.6	2146.9	2022.4	1909.9	1829.9	1769.7	1747.8	1709.6
10°	2478.8	2448.4	2333.7	2165.3	1955.1	1763.4	1614.1	1532.0	1483.9	1468.3	1444.2
12.5°	2506.4	2461.8	2286.3	2021.7	1740.7	1530.6	1400.4	1352.3	1327.5	1319.0	1321.1
15°	2546.7	2473.1	2214.8	1841.9	1536.2	1360.7	1276.5	1243.3	1230.5	1229.8	1232.7
17.5°	2577.1	2475.2	2103.7	1649.5	1379.1	1258.1	1188.8	1176.1	1184.5	1197.3	1202.2
20°	2611.1	2456.1	1958.0	1474.0	1268.8	1168.3	1139.3	1147.8	1168.3	1186.7	1193.0
22.5°	2635.2	2421.5	1781.8	1337.4	1173.2	1116.6	1115.2	1132.9	1144.2	1153.4	1158.4
25°	2656.4	2362.7	1595.0	1222.8	1094.7	1085.5	1101.1	1095.4	1087.6	1095.4	1100.3
27.5°	2672.0	2270.0	1428.0	1122.3	1039.5	1064.3	1055.1	1042.3	1041.6	1045.9	1052.9
30°	2667.0	2146.2	1290.7	1026.8	1000.6	1024.6	1002.7	1000.6	998.4	1000.6	1008.4
32.5°	2667.0	2005.4	1185.3	960.9	975.8	966.6	964.5	959.5	951.0	950.3	959.5
35°	2681.9	1864.6	1094.7	925.6	955.3	933.3	934.8	922.7	905.0	896.6	905.0
37.5°	2712.3	1751.4	1004.8	908.6	919.2	918.5	912.8	892.3	861.2	834.3	843.5
40°	2785.9	1718.1	943.3	900.8	902.2	910.7	895.8	856.2	785.5	741.6	747.2
42.5°	2901.2	1774.0	929.8	881.7	890.9	899.4	870.4	778.4	728.1	702.0	702.0
45°	3047.7	1871.6	958.8	854.1	864.0	878.9	792.5	748.7	726.0	726.7	730.3
47.5°	3233.1	1974.2	1012.6	830.0	825.1	833.6	740.9	714.0	682.8	690.6	710.4
50°	3447.5	2078.3	1063.5	797.5	781.9	754.3	707.6	682.1	642.5	624.1	629.1
52.5°	3679.6	2178.8	1084.1	757.9	735.2	703.4	685.0	653.8	605.7	575.3	574.6
55°	3899.7	2270.0	1061.4	710.4	688.5	663.7	660.9	641.8	590.2	547.7	547.7
57.5°	4107.7	2346.5	1004.8	662.3	641.1	626.2	645.3	636.1	571.0	516.6	513.7
60°	4283.9	2398.8	922.7	613.5	598.6	590.9	619.9	617.0	544.2	483.3	481.2
62.5°	4424.0	2419.3	832.2	566.8	563.3	549.1	584.5	584.5	510.2	450.8	448.6
65°	4533.7	2399.5	740.2	520.8	527.9	506.7	541.3	537.1	474.1	421.7	418.9
67.5°	4630.6	2334.4	638.3	475.5	491.8	464.9	496.0	486.1	434.5	392.7	389.9
70°	4673.8	2183.0	522.2	430.2	450.0	423.9	450.8	432.4	389.9	361.6	355.9
72.5°	4327.1	1814.3	411.1	382.8	399.8	378.6	401.9	380.7	341.8	329.0	318.4
75°	3579.8	1361.5	316.3	331.2	343.9	327.6	343.2	327.6	292.2	301.4	275.3
77.5°	2599.8	919.2	242.0	276.7	282.3	273.8	287.3	269.6	237.8	235.6	225.0
80°	1292.8	538.5	189.6	218.7	216.5	210.9	226.4	217.9	191.1	202.4	200.3
82.5°	374.3	230.7	138.0	153.6	149.3	150.7	162.0	166.3	249.1	247.0	252.6
85°	117.5	90.6	82.8	85.6	81.4	83.5	95.5	189.6	175.5	102.6	111.1
87.5°	30.4	31.1	20.5	21.9	22.6	26.9	30.4	115.3	55.2	36.1	38.2
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)