

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: P954486

Luminaire Tested: **GALN-SB7D-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954486
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7D-722-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49771 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 512.8
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



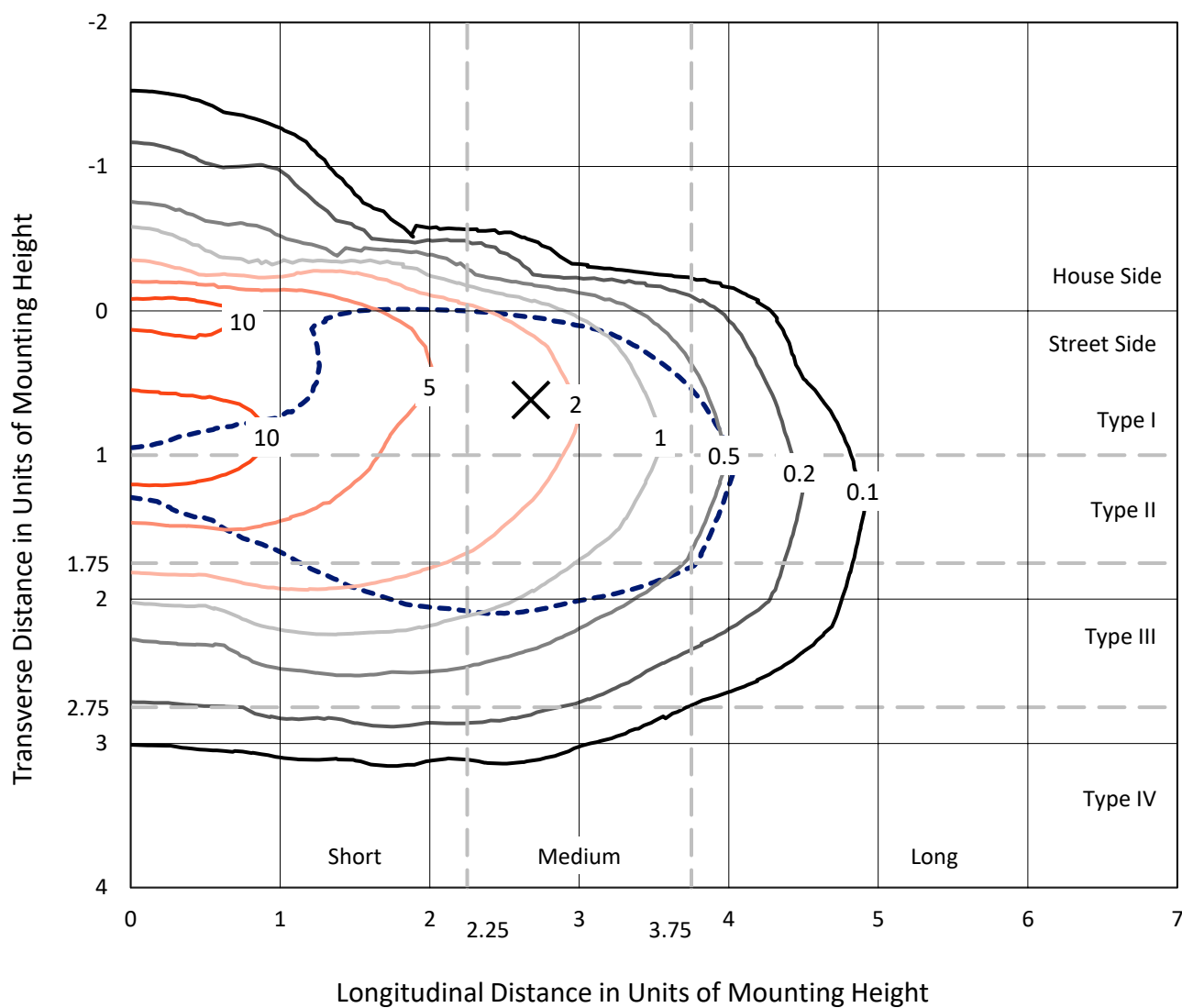
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Iso-Footcandle Lines of Horizontal Illumination

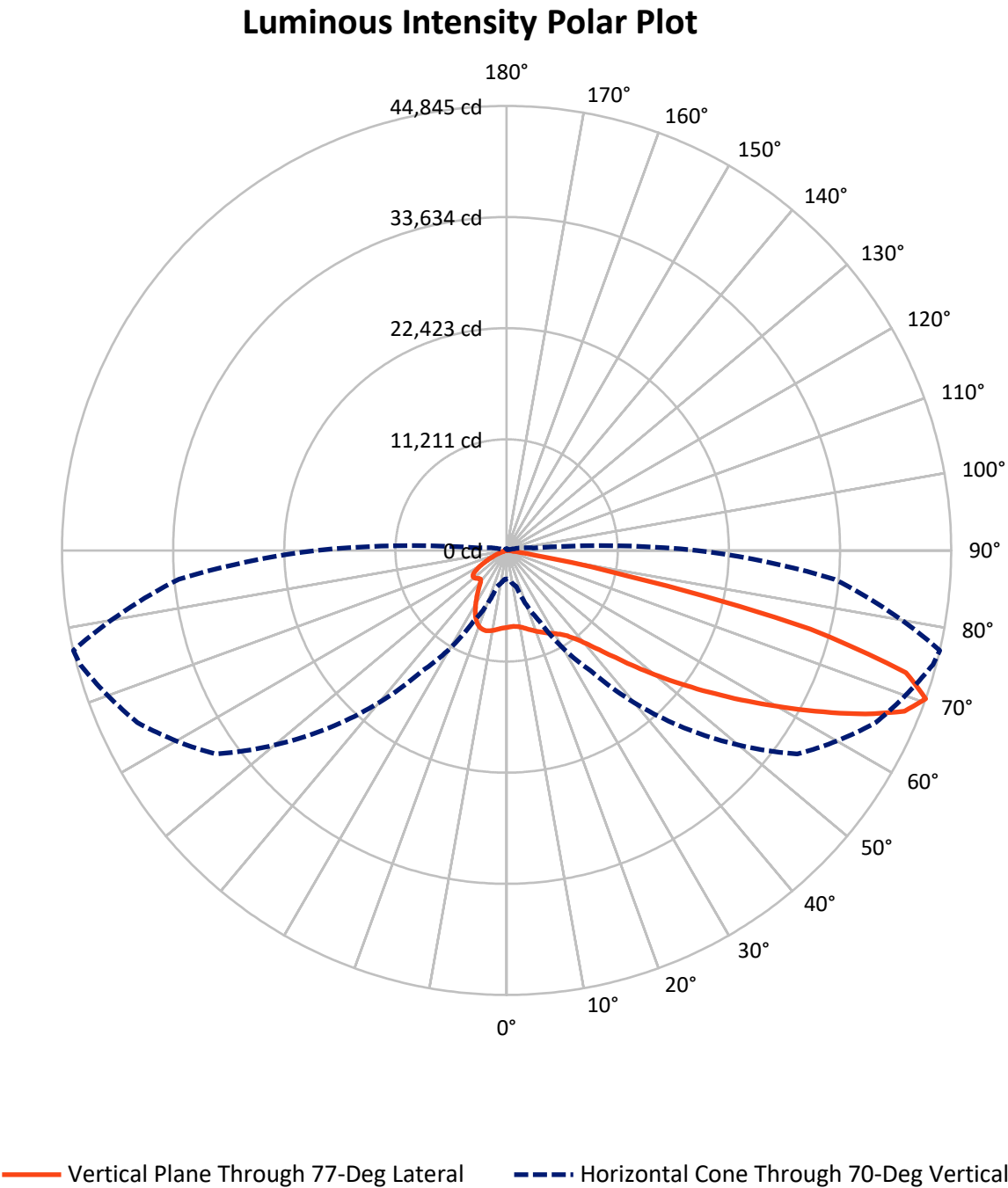
✕ Max cd

--- 1/2 Max cd



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

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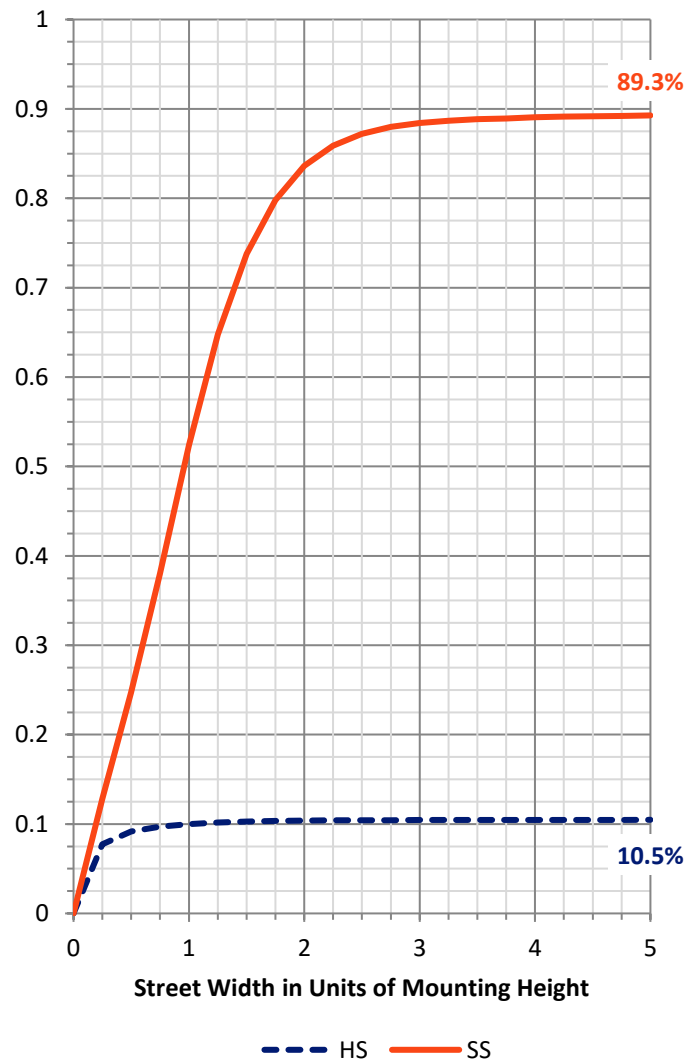
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5246.6	0.0	5246.6
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	44524.4	0.0	44524.4
	% Fixture	89.5	0.0	89.5
Total	Lumens	49771.0	0.0	49771.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	669.1	1.3
10°-20°	1588.3	3.2
20°-30°	2456.7	4.9
30°-40°	4457.8	9.0
40°-50°	8414.6	16.9
50°-60°	12158.4	24.4
60°-70°	12942.3	26.0
70°-80°	6858.5	13.8
80°-90°	225.2	0.5
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°	49771.0	100.0
0°-180°	49771.0	100.0

Coefficient of Utilization



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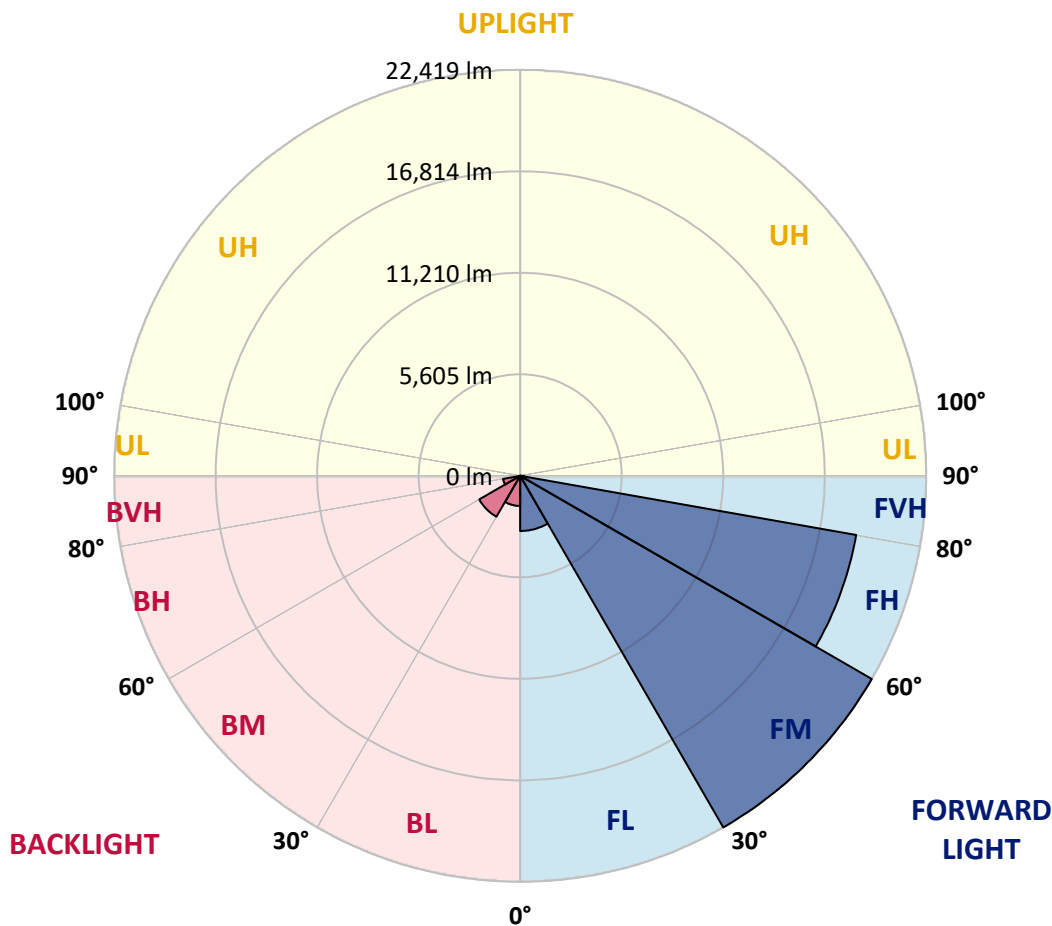
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3047.2	6.1			
FM	(30°-60°)	22419.1	45.0			
FH	(60°-80°)	18839.0	37.9			G5
FVH	(80°-90°)	219.1	0.4			G2/225
BL	(0°-30°)	1666.9	3.3	B3/2500		
BM	(30°-60°)	2611.8	5.2	B3/5000		
BH	(60°-80°)	961.8	1.9	B2/1000		G2/1000
BVH	(80°-90°)	6.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	7763.4	7763.4	7763.4	7763.4	7763.4	7763.4	7763.4	7763.4	7763.4	7763.4	7763.4
2.5°	7288.8	7354.8	7345.3	7389.4	7405.1	7467.9	7530.8	7615.7	7709.9	7706.8	7769.7
5°	6877.0	6943.0	6958.8	7018.5	7093.9	7191.3	7320.2	7489.9	7665.9	7694.2	7820.0
7.5°	6389.9	6459.0	6499.9	6619.3	6757.6	6958.8	7169.3	7417.6	7709.9	7750.8	7992.8
10°	5902.7	5965.5	6019.0	6188.7	6408.7	6707.3	7049.9	7408.2	7801.1	7860.8	8203.4
12.5°	5600.9	5660.7	5720.4	5868.1	6141.6	6506.2	6971.3	7452.2	7952.0	8036.8	8489.4
15°	5494.1	5547.5	5594.7	5726.7	5981.3	6396.1	6955.6	7543.4	8143.7	8256.8	8835.2
17.5°	5509.8	5538.1	5569.5	5670.1	5918.4	6345.9	6983.9	7700.5	8370.0	8470.6	9180.9
20°	5600.9	5616.7	5619.8	5689.0	5909.0	6339.6	7040.5	7851.4	8583.7	8718.9	9523.5
22.5°	5717.2	5723.5	5717.2	5764.4	5968.7	6386.7	7115.9	8033.7	8822.6	8948.3	9869.2
25°	6261.0	6141.6	5990.7	5899.5	6069.3	6477.9	7229.1	8278.8	9083.5	9206.0	10205.5
27.5°	7948.8	7606.2	7065.6	6459.0	6276.7	6609.9	7386.2	8527.1	9347.5	9457.5	10567.0
30°	10689.6	10240.1	9322.3	7955.1	6943.0	6886.5	7590.5	8775.4	9627.2	9746.7	10953.6
32.5°	13436.6	13326.6	12267.4	10375.3	8442.3	7502.5	7930.0	9111.8	9998.1	10092.4	11475.3
35°	16215.1	15991.9	15124.4	13254.3	10752.4	8756.6	8495.7	9551.8	10485.3	10592.1	12236.0
37.5°	18342.9	18207.8	17670.3	16130.2	13493.2	10692.7	9463.8	10233.8	11192.5	11311.9	13210.3
40°	20222.5	20159.6	19977.3	18962.1	16557.7	13226.0	10969.3	11289.9	12173.1	12314.5	14404.7
42.5°	21699.7	21847.5	21951.2	21668.3	19716.5	16117.7	12993.4	12773.4	13540.3	13684.9	15925.9
45°	23211.6	23261.8	23679.9	24088.5	22853.2	19141.3	15275.3	14511.5	15240.7	15419.9	17748.9
47.5°	24182.8	24383.9	25119.4	25839.2	25490.3	22139.8	17726.9	16564.0	17211.4	17547.7	19791.9
50°	24255.1	24635.4	25647.4	26901.5	27410.7	24993.7	20392.2	18902.4	19590.7	19961.6	21973.2
52.5°	23051.3	23642.2	25210.5	27046.1	28447.9	27410.7	23148.7	21240.9	22124.1	22608.1	24236.2
55°	17673.5	18446.7	23566.7	26260.3	28488.8	29243.1	25832.9	23676.7	24946.5	25493.4	26681.5
57.5°	15397.9	15787.6	18528.4	24896.2	27731.3	29981.7	28259.3	25996.3	28017.3	28696.2	28991.7
60°	12811.1	13323.5	15539.3	22664.7	26703.5	30054.0	30402.9	28988.5	31345.8	32109.6	31110.1
62.5°	8706.3	9262.6	11465.9	18830.1	25298.6	30019.4	32159.9	32068.7	35045.2	35865.5	32904.8
65°	5393.5	5742.4	7194.5	15375.9	23334.1	30057.2	33998.6	35809.0	38948.9	39781.8	34294.0
67.5°	4262.0	4422.3	5179.8	11805.4	19949.1	29208.5	35834.1	39326.1	42623.1	43283.2	34718.3
70°	2863.3	2960.8	3768.5	7914.2	14841.6	25292.3	35799.5	41092.5	44515.3	44845.3	33171.9
72.5°	1508.7	1584.1	2203.3	3664.8	8964.0	17978.3	30176.6	38980.3	42632.6	42136.0	28353.6
75°	754.3	880.1	1483.5	1860.7	3828.3	10026.4	18739.0	30732.9	33555.4	31631.8	18192.1
77.5°	572.0	691.5	1225.8	1225.8	1332.7	3375.7	7936.2	16762.0	15460.7	12874.0	5340.1
80°	364.6	471.5	1071.8	927.2	556.3	858.1	2068.1	4695.7	3284.5	2498.7	971.2
82.5°	213.7	308.0	892.6	612.9	311.2	317.4	584.6	999.5	851.8	663.2	298.6
85°	84.9	201.2	612.9	242.0	122.6	78.6	176.0	213.7	176.0	132.0	75.4
87.5°	0.0	47.1	106.9	0.0	9.4	6.3	12.6	15.7	15.7	12.6	25.1
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°	7763.4	7763.4	7763.4	7763.4	7763.4	7763.4	7763.4	7763.4	7763.4	7763.4	7763.4
2.5°	7798.0	7804.2	7823.1	7826.2	7782.2	7725.7	7703.7	7694.2	7656.5	7653.4	7659.7
5°	7892.2	7920.5	7892.2	7810.5	7615.7	7342.2	7134.8	6965.0	6811.0	6763.9	6735.6
7.5°	8080.8	8109.1	8024.3	7703.7	7213.3	6669.6	6179.3	5833.5	5522.4	5406.1	5358.9
10°	8351.1	8388.8	8121.7	7474.2	6606.7	5733.0	4903.2	4318.6	3862.8	3677.4	3598.8
12.5°	8690.6	8706.3	8175.1	7125.3	5817.8	4570.0	3394.5	2769.0	2363.6	2212.7	2165.6
15°	9064.6	9042.6	8181.4	6650.7	4742.9	3231.1	2215.9	1819.8	1656.4	1606.1	1606.1
17.5°	9457.5	9366.3	8055.7	5965.5	3564.2	2209.6	1643.8	1549.5	1521.2	1508.7	1505.5
20°	9844.1	9639.8	7826.2	5069.8	2558.5	1650.1	1493.0	1464.7	1449.0	1442.7	1436.4
22.5°	10196.1	9847.2	7433.4	4029.4	1857.6	1458.4	1411.2	1386.1	1357.8	1345.2	1342.1
25°	10538.7	9966.7	6880.2	3058.2	1486.7	1364.1	1326.4	1279.2	1241.5	1225.8	1219.5
27.5°	10871.9	10042.1	6188.7	2263.0	1326.4	1276.1	1206.9	1140.9	1112.6	1106.4	1100.1
30°	11227.0	10067.2	5402.9	1687.8	1228.9	1166.1	1065.5	990.1	974.4	977.5	977.5
32.5°	11660.8	10105.0	4610.9	1382.9	1147.2	1034.1	914.6	836.1	823.5	836.1	832.9
35°	12179.4	10180.4	3847.1	1272.9	1074.9	898.9	770.1	704.0	691.5	700.9	697.8
37.5°	12883.4	10303.0	3133.6	1250.9	1015.2	785.8	647.5	594.0	594.0	597.2	594.0
40°	13820.1	10629.9	2495.6	1235.2	983.8	700.9	546.9	524.9	534.3	540.6	540.6
42.5°	14961.0	11324.5	2065.0	1216.4	949.2	663.2	496.6	487.2	502.9	509.2	509.2
45°	16240.2	12204.5	1914.1	1184.9	917.8	688.3	474.6	462.0	480.9	484.0	487.2
47.5°	17563.5	13065.7	1895.3	1150.4	886.3	726.0	468.3	440.0	462.0	465.2	468.3
50°	18902.4	13628.3	1914.1	1096.9	836.1	726.0	471.5	418.0	436.9	446.3	449.5
52.5°	20250.8	13886.1	1901.6	980.6	748.1	682.0	471.5	399.2	418.0	424.3	424.3
55°	21558.3	13835.8	1709.8	807.8	634.9	603.5	458.9	383.5	396.0	399.2	399.2
57.5°	22592.4	13134.9	1354.7	628.6	515.5	502.9	418.0	364.6	374.0	370.9	370.9
60°	23133.0	11594.8	968.1	484.0	405.5	396.0	367.7	339.5	345.7	330.0	326.9
62.5°	23139.3	9558.1	647.5	383.5	323.7	314.3	314.3	304.9	298.6	267.2	257.7
65°	22645.8	7298.2	430.6	304.9	260.9	245.2	264.0	260.9	238.9	194.9	188.6
67.5°	21526.9	4783.7	326.9	238.9	201.2	191.7	210.6	220.0	204.3	163.4	160.3
70°	19226.1	2784.8	270.3	185.4	150.9	141.4	169.7	188.6	169.7	132.0	125.7
72.5°	15969.9	1502.4	220.0	138.3	103.7	94.3	135.2	154.0	135.2	97.4	94.3
75°	10362.7	804.6	169.7	91.1	53.4	59.7	100.6	113.2	94.3	62.9	56.6
77.5°	3479.4	355.2	106.9	44.0	25.1	25.1	59.7	69.1	44.0	22.0	18.9
80°	776.3	147.7	44.0	18.9	9.4	9.4	12.6	12.6	6.3	0.0	0.0
82.5°	254.6	59.7	18.9	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	97.4	22.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	37.7	3.1	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)