

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: P957340

Luminaire Tested: **GALN-SB9D-722-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957340
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9D-722-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 58516 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 658
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



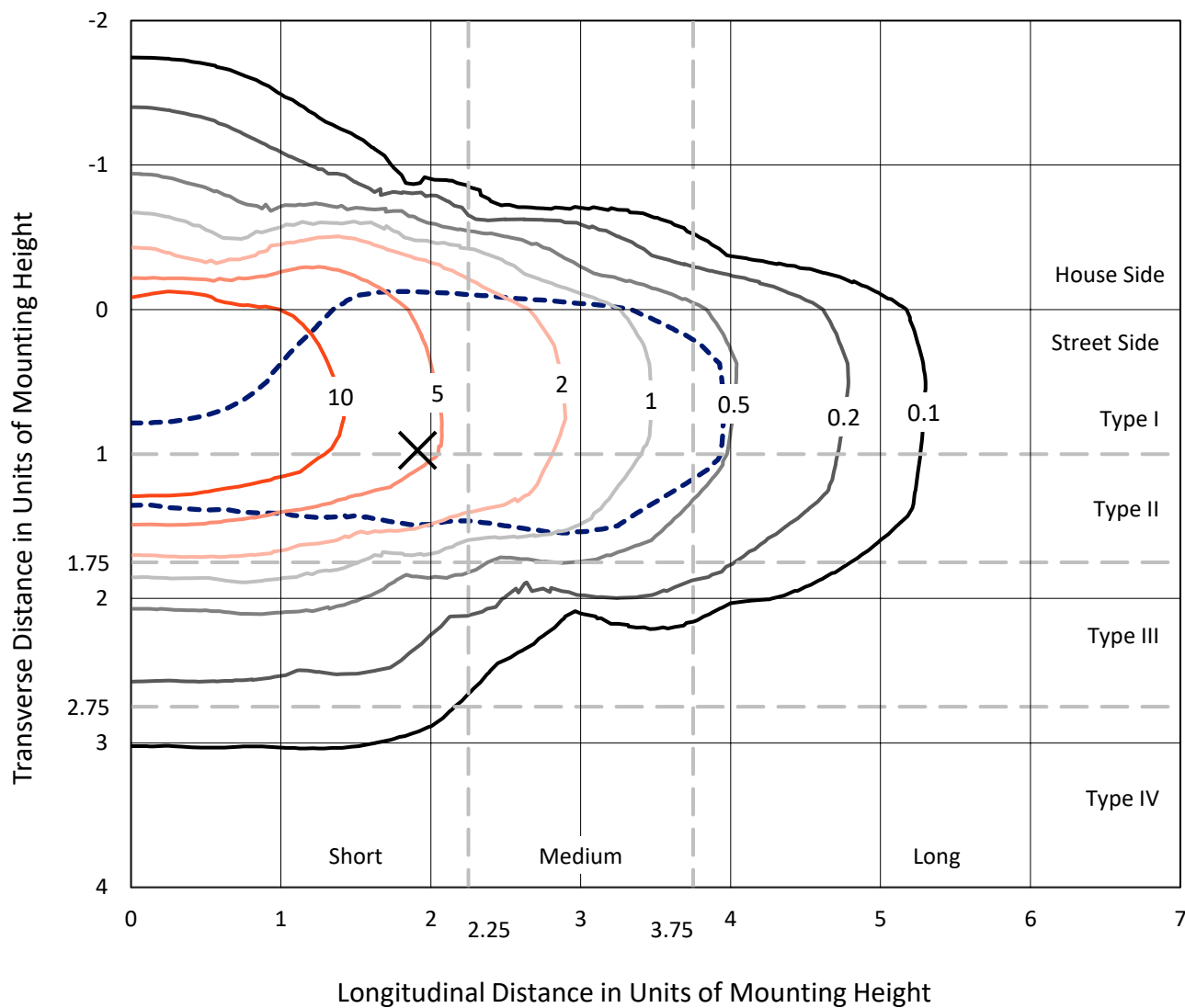
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Iso-Footcandle Lines of Horizontal Illumination

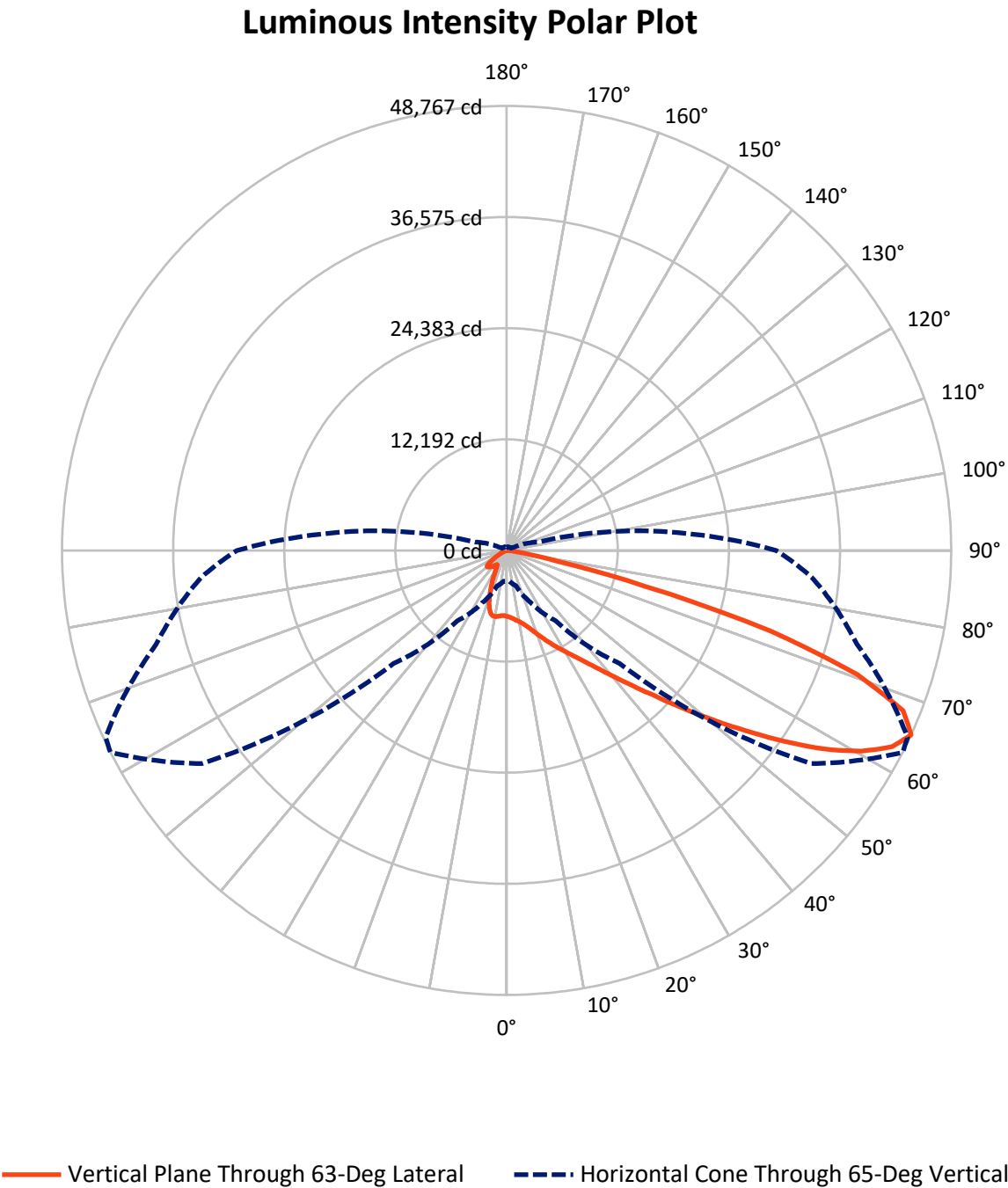
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.8 fc
Type II - Short - N/A

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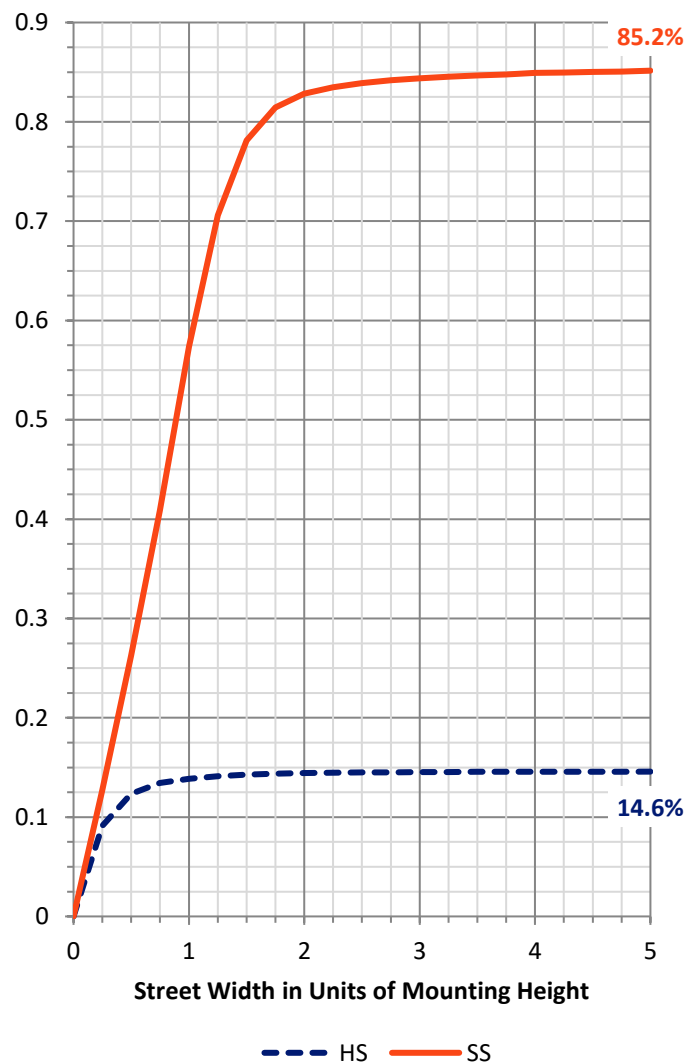
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8601.4	0.0	8601.4
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	49914.6	0.0	49914.6
	% Fixture	85.3	0.0	85.3
Total	Lumens	58516.0	0.0	58516.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	680.4	1.2
10°-20°	1888.0	3.2
20°-30°	3287.5	5.6
30°-40°	5925.3	10.1
40°-50°	11751.8	20.1
50°-60°	16007.9	27.4
60°-70°	12777.4	21.8
70°-80°	5782.1	9.9
80°-90°	415.6	0.7
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°	58516.0	100.0
0°-180°	58516.0	100.0

Coefficient of Utilization



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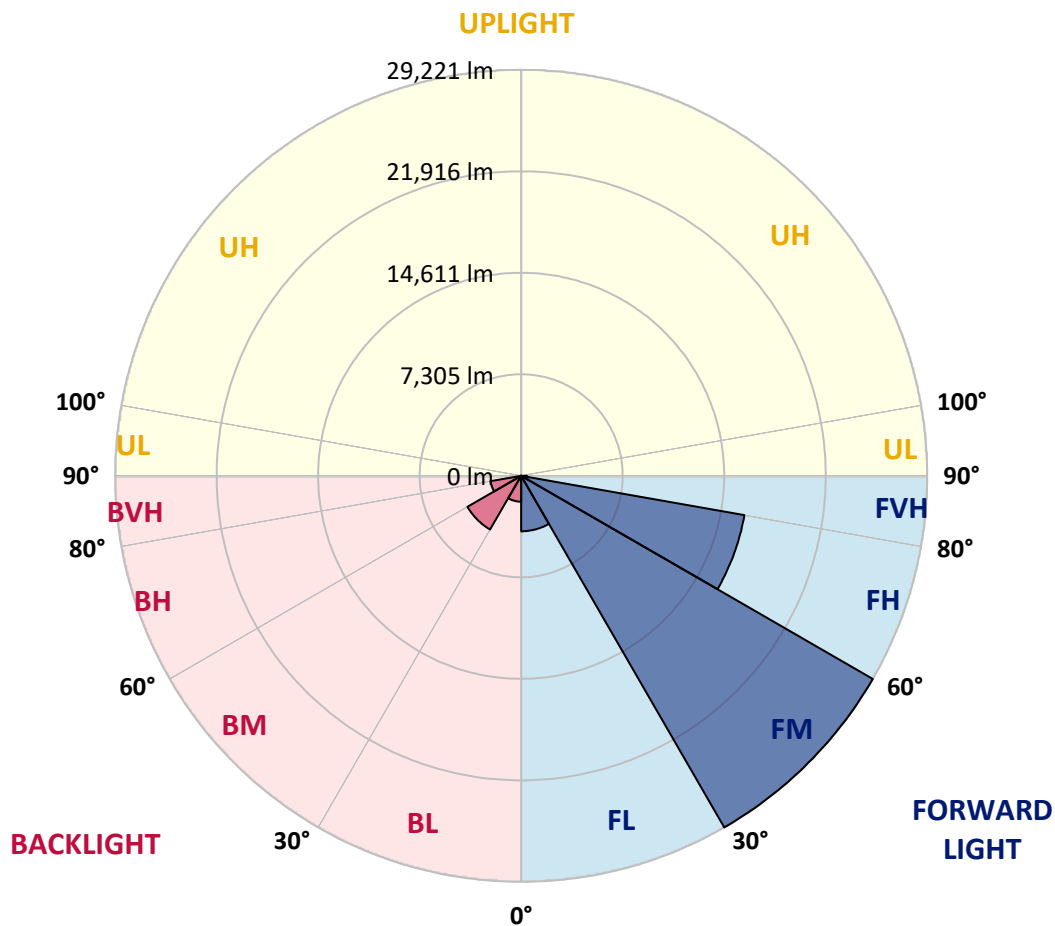
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3994.4	6.8			
FM	(30°-60°)	29221.4	49.9			
FH	(60°-80°)	16314.0	27.9			G5
FVH	(80°-90°)	384.8	0.7			G3/500
BL	(0°-30°)	1861.5	3.2	B3/2500		
BM	(30°-60°)	4463.6	7.6	B3/5000		
BH	(60°-80°)	2245.5	3.8	B3/2500		G3/2500
BVH	(80°-90°)	30.8	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	7222.0	7222.0	7222.0	7222.0	7222.0	7222.0	7222.0	7222.0	7222.0	7222.0	7222.0
2.5°	7391.1	7370.9	7399.1	7387.0	7379.0	7362.9	7354.8	7346.8	7330.7	7318.6	7270.3
5°	7411.2	7399.1	7427.3	7451.4	7475.6	7499.7	7511.8	7527.9	7511.8	7479.6	7431.3
7.5°	7242.1	7234.1	7294.4	7366.9	7475.6	7568.2	7668.8	7725.2	7729.2	7717.1	7664.8
10°	7230.0	7209.9	7270.3	7358.9	7499.7	7664.8	7841.9	7962.7	7978.8	8031.1	7974.8
12.5°	7419.2	7399.1	7483.6	7580.3	7725.2	7898.3	8115.7	8284.7	8308.9	8381.4	8341.1
15°	7737.3	7709.1	7805.7	7930.5	8115.7	8312.9	8542.4	8695.4	8715.5	8804.1	8731.6
17.5°	8107.6	8079.4	8192.2	8325.0	8526.3	8796.0	9061.7	9230.8	9254.9	9311.3	9178.4
20°	8582.6	8546.4	8635.0	8755.7	8969.1	9291.2	9609.2	9850.7	9846.7	9846.7	9629.3
22.5°	9134.2	9077.8	9154.3	9250.9	9452.2	9842.7	10265.4	10551.2	10551.2	10438.5	10080.2
25°	9725.9	9669.6	9754.1	9842.7	10019.8	10462.6	10957.8	11312.0	11328.1	11134.9	10563.3
27.5°	10466.6	10394.2	10458.6	10563.3	10667.9	11118.8	11706.5	12117.1	12125.2	11827.3	11022.2
30°	11891.7	11686.4	11485.1	11372.4	11420.7	11867.6	12495.6	12950.5	12990.7	12580.1	11521.4
32.5°	14500.3	14460.1	13751.6	12825.7	12342.6	12672.7	13377.2	13924.7	13948.8	13421.5	12169.5
35°	18554.1	18505.8	17366.6	15603.3	14029.3	13751.6	14448.0	15096.1	15080.0	14484.2	13010.8
37.5°	23392.9	23348.7	21847.1	19488.1	16939.9	15381.9	15828.8	16509.1	16609.7	15828.8	14097.8
40°	27527.3	27362.2	26412.2	24137.7	20804.5	18087.2	17793.3	18244.2	18348.8	17422.9	15478.5
42.5°	30659.2	30518.3	30035.2	28614.2	25482.2	22088.6	20108.0	20281.1	20397.9	19286.8	17064.6
45°	32281.5	32249.3	32442.6	32309.7	30248.6	26999.9	23417.1	22696.5	22740.8	21351.9	18864.1
47.5°	32511.0	32494.9	33376.5	34624.4	34346.7	32539.2	27664.1	25707.7	25550.7	23682.8	20820.6
50°	31158.4	31126.2	32816.9	35155.8	37084.1	37192.8	32486.8	29101.3	28755.1	26094.1	22861.6
52.5°	26838.9	26830.8	29608.5	33501.3	38046.2	41266.7	37253.2	32829.0	32249.3	28646.4	25019.3
55°	20651.5	20800.4	23984.7	28586.0	36291.1	43227.2	41532.4	36967.4	36077.7	31214.7	27008.0
57.5°	14629.1	14846.5	17994.6	22092.7	30848.4	42067.8	44426.9	41113.8	40155.7	33775.0	29024.8
60°	7858.0	8051.3	11203.3	16094.5	22950.1	37744.3	45952.6	44712.7	43806.9	36206.5	30844.4
62.5°	4681.8	4746.2	6050.5	10390.2	15522.8	28835.6	45304.4	47454.1	46709.4	38247.5	32426.4
65°	3361.4	3373.5	4029.7	6344.4	9424.0	17519.5	40759.5	48766.5	48537.0	39785.3	33597.9
67.5°	2830.0	2822.0	3095.7	4214.8	6420.9	8775.9	31238.9	46910.7	47884.9	40759.5	34262.1
70°	2427.5	2439.5	2761.6	3087.7	4826.7	4967.6	15530.9	40844.0	42921.3	41017.1	34221.9
72.5°	1807.5	1847.8	2145.7	2813.9	3643.2	3417.8	5362.1	30284.8	34040.7	38646.0	32446.6
75°	1276.1	1296.3	1509.6	2367.1	2717.3	2487.8	2737.4	15655.7	20470.3	29628.6	26557.1
77.5°	982.3	1018.5	1143.3	1654.5	2677.0	1747.1	1674.7	5418.5	8325.0	17898.0	18207.9
80°	531.4	595.8	825.3	1195.6	1880.0	1235.9	829.3	2157.7	2822.0	8369.3	7020.7
82.5°	273.7	305.9	575.7	861.5	1070.8	1078.9	410.6	897.7	1163.4	2584.5	962.1
85°	108.7	132.8	386.5	475.0	551.5	531.4	185.2	362.3	418.7	716.6	293.9
87.5°	24.2	40.3	140.9	108.7	104.7	112.7	44.3	84.5	80.5	84.5	52.3
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°	7222.0	7222.0	7222.0	7222.0	7222.0	7222.0	7222.0	7222.0	7222.0	7222.0	7222.0
2.5°	7266.3	7250.2	7205.9	7157.6	7101.2	7069.0	7048.9	7044.9	7016.7	6996.5	7016.7
5°	7387.0	7370.9	7286.4	7185.7	7077.1	6992.5	6912.0	6839.5	6734.9	6714.8	6706.7
7.5°	7628.6	7584.3	7447.4	7310.5	7105.2	6859.7	6561.8	6219.6	5913.7	5821.1	5776.8
10°	7926.5	7866.1	7693.0	7451.4	6996.5	6328.3	5607.7	4939.4	4408.1	4259.1	4202.8
12.5°	8264.6	8212.3	7982.8	7536.0	6541.6	5329.9	4226.9	3397.6	2882.4	2753.5	2717.3
15°	8667.2	8590.7	8272.7	7407.2	5728.5	4049.8	2902.5	2411.4	2226.2	2202.0	2177.9
17.5°	9093.9	8969.1	8530.3	6944.2	4633.5	2878.3	2242.3	2101.4	2020.9	1996.7	1984.6
20°	9484.4	9323.4	8683.3	6243.8	3462.0	2242.3	2008.8	1916.2	1843.7	1815.6	1799.5
22.5°	9874.9	9645.4	8683.3	5289.7	2596.5	1988.7	1843.7	1759.2	1674.7	1638.4	1618.3
25°	10281.5	9975.5	8530.3	4226.9	2089.3	1823.6	1686.7	1594.1	1521.7	1477.4	1461.3
27.5°	10676.0	10253.3	8180.1	3220.5	1859.8	1678.7	1541.8	1453.3	1384.8	1352.6	1352.6
30°	11050.4	10527.0	7689.0	2443.6	1710.9	1537.8	1409.0	1332.5	1264.0	1231.8	1235.9
32.5°	11557.6	10873.2	7165.6	2004.8	1582.1	1404.9	1288.2	1215.7	1155.4	1131.2	1131.2
35°	12262.1	11384.5	6714.8	1968.5	1473.4	1296.3	1179.5	1111.1	1050.7	1030.6	1030.6
37.5°	13260.4	12209.7	6477.2	2210.1	1384.8	1199.6	1090.9	1018.5	962.1	946.0	942.0
40°	14492.3	13328.9	6606.1	2451.6	1324.4	1115.1	1010.4	938.0	889.7	869.5	865.5
42.5°	15953.6	14709.7	7318.6	2636.8	1284.2	1042.6	933.9	853.4	821.2	813.2	813.2
45°	17632.3	16227.3	8409.5	2834.0	1219.8	974.2	857.5	797.1	772.9	768.9	764.9
47.5°	19540.4	17893.9	9673.6	3079.6	1155.4	909.8	797.1	756.8	736.7	728.6	728.6
50°	21432.5	19572.6	10973.9	3216.5	1103.0	849.4	748.8	716.6	700.5	696.4	696.4
52.5°	23413.1	21299.6	12024.6	3087.7	1058.7	801.1	708.5	684.4	668.3	664.2	664.2
55°	25301.1	22696.5	12205.7	2620.7	970.2	752.8	664.2	652.2	632.0	632.0	628.0
57.5°	26927.4	23397.0	10925.6	1924.3	881.6	680.3	619.9	607.9	591.8	587.7	583.7
60°	28420.9	23195.7	8433.7	1296.3	785.0	607.9	563.6	555.5	539.4	519.3	515.3
62.5°	29262.3	22310.0	5768.7	845.4	688.4	531.4	499.2	495.2	458.9	418.7	410.6
65°	29580.3	20490.5	3598.9	615.9	575.7	454.9	430.7	422.7	370.4	326.1	322.1
67.5°	29302.6	17495.4	1815.6	487.1	454.9	378.4	354.3	354.3	318.0	277.8	273.7
70°	28191.5	13115.5	764.9	390.5	350.2	289.8	289.8	305.9	269.7	225.4	221.4
72.5°	25780.1	8824.2	406.6	297.9	261.7	205.3	237.5	249.6	213.4	169.1	169.1
75°	20494.5	5382.3	281.8	221.4	165.1	144.9	181.2	189.2	144.9	112.7	108.7
77.5°	14017.2	3091.7	189.2	140.9	104.7	84.5	124.8	116.7	76.5	52.3	56.4
80°	6155.2	1288.2	108.7	64.4	40.3	32.2	44.3	32.2	24.2	16.1	16.1
82.5°	720.6	301.9	40.3	24.2	16.1	8.1	4.0	0.0	0.0	0.0	0.0
85°	148.9	36.2	20.1	8.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	28.2	8.1	4.0	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)