

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: P952699

Luminaire Tested: **GALN-SB6C-722-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952699
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-SB6C-722-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 615mA 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: 28671 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 300.9
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



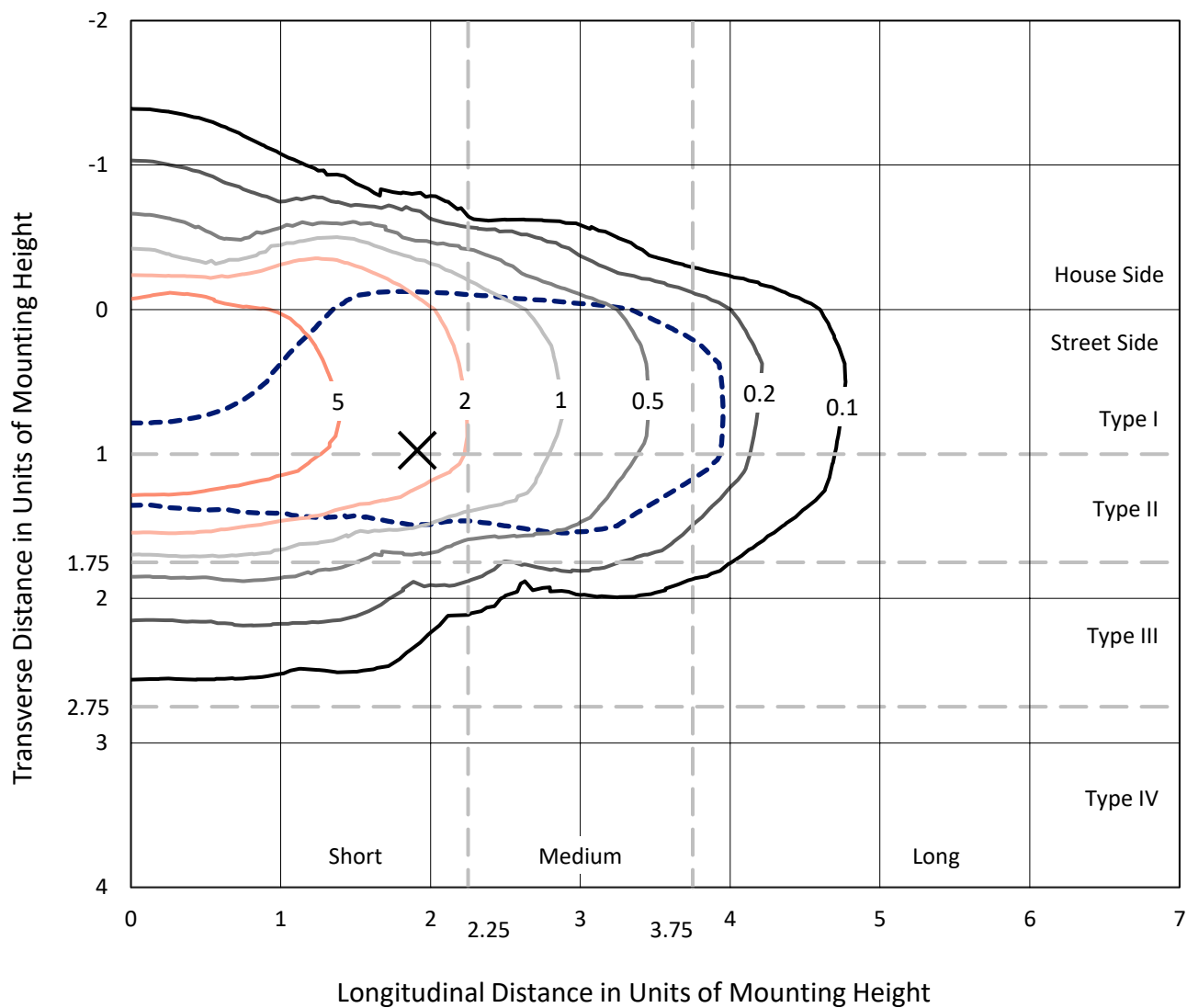
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

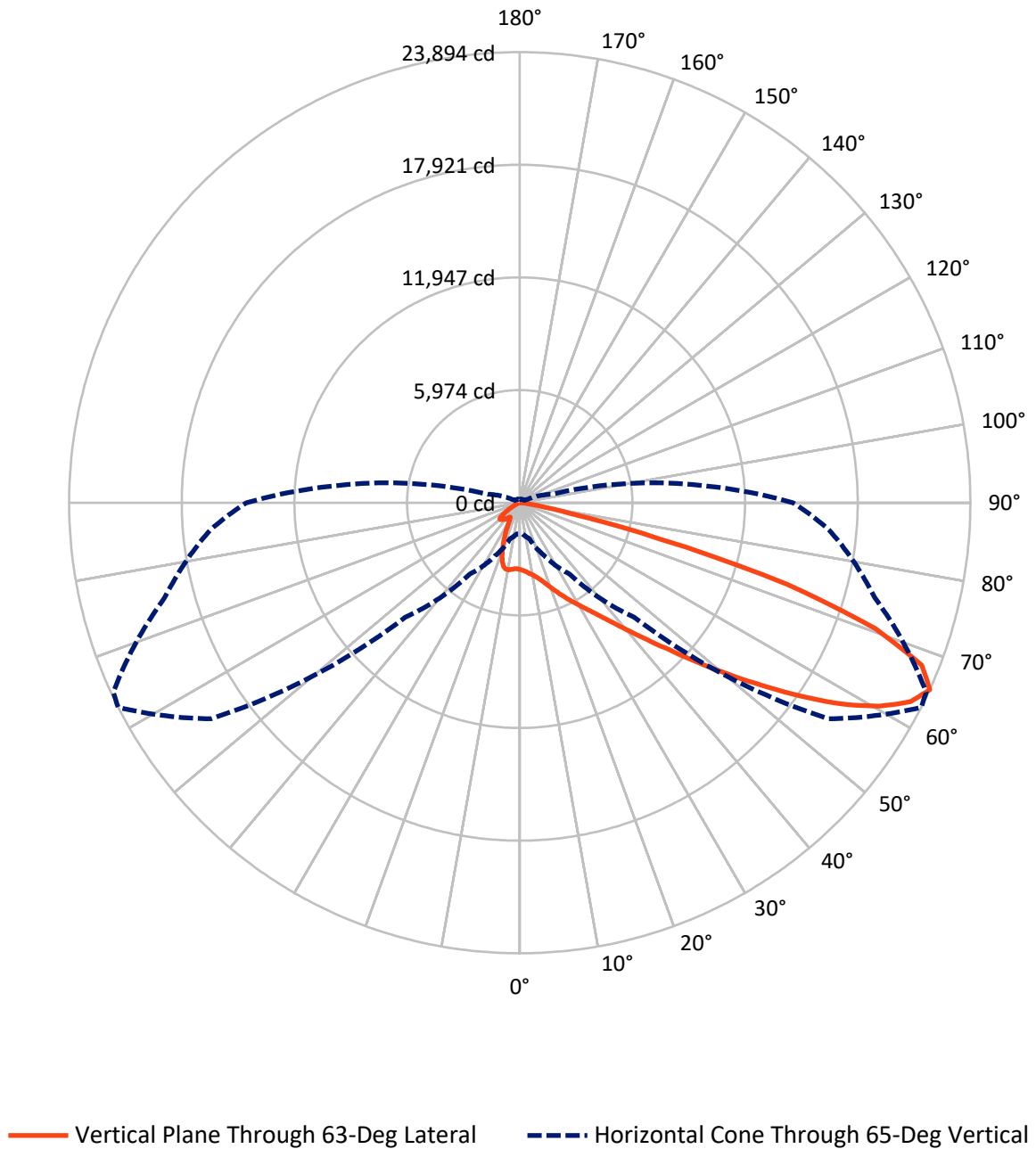


Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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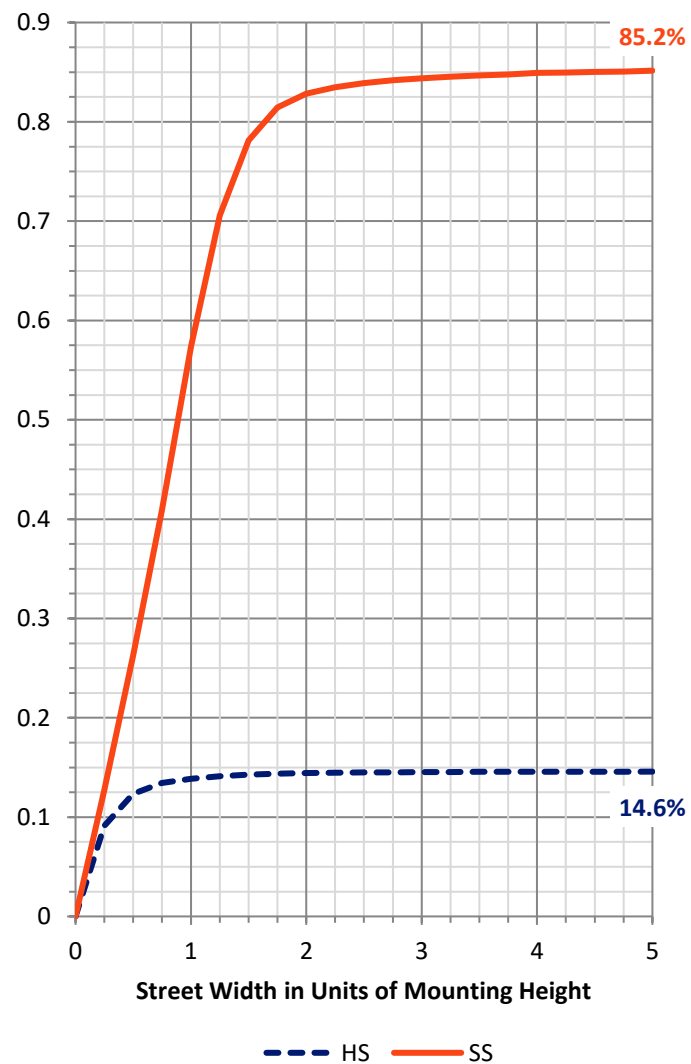
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4214.4	0.0	4214.4
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	24456.6	0.0	24456.6
	% Fixture	85.3	0.0	85.3
Total	Lumens	28671.0	0.0	28671.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.4	1.2
10°-20°	925.1	3.2
20°-30°	1610.8	5.6
30°-40°	2903.2	10.1
40°-50°	5758.0	20.1
50°-60°	7843.4	27.4
60°-70°	6260.5	21.8
70°-80°	2833.0	9.9
80°-90°	203.6	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°	28671.0	100.0
0°-180°	28671.0	100.0

Coefficient of Utilization



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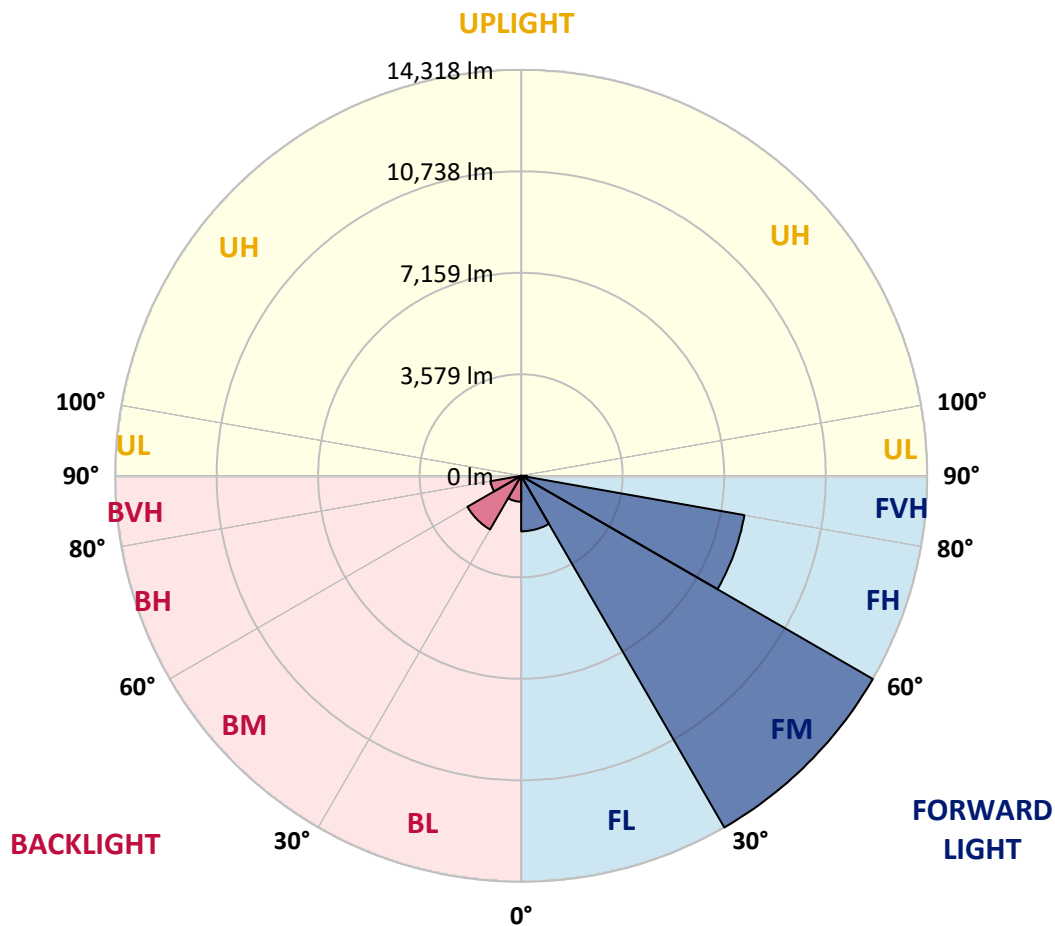
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1957.1	6.8			
FM	(30°-60°)	14317.6	49.9			
FH	(60°-80°)	7993.3	27.9			G4/12000
FVH	(80°-90°)	188.5	0.7			G2/225
BL	(0°-30°)	912.1	3.2	B2/1000		
BM	(30°-60°)	2187.0	7.6	B2/2500		
BH	(60°-80°)	1100.2	3.8	B3/2500		G3/2500
BVH	(80°-90°)	15.1	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-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	3538.5	3538.5	3538.5	3538.5	3538.5	3538.5	3538.5	3538.5	3538.5	3538.5	3538.5
2.5°	3621.4	3611.5	3625.3	3619.4	3615.5	3607.6	3603.6	3599.7	3591.8	3585.9	3562.2
5°	3631.2	3625.3	3639.1	3651.0	3662.8	3674.6	3680.6	3688.4	3680.6	3664.8	3641.1
7.5°	3548.4	3544.5	3574.0	3609.6	3662.8	3708.2	3757.5	3785.1	3787.1	3781.2	3755.5
10°	3542.5	3532.6	3562.2	3605.6	3674.6	3755.5	3842.3	3901.5	3909.4	3935.0	3907.4
12.5°	3635.2	3625.3	3666.8	3714.1	3785.1	3869.9	3976.4	4059.3	4071.1	4106.6	4086.9
15°	3791.0	3777.2	3824.5	3885.7	3976.4	4073.1	4185.5	4260.5	4270.3	4313.7	4278.2
17.5°	3972.5	3958.7	4013.9	4079.0	4177.6	4309.8	4439.9	4522.8	4534.6	4562.2	4497.1
20°	4205.2	4187.5	4230.9	4290.0	4394.6	4552.4	4708.2	4826.5	4824.6	4824.6	4718.1
22.5°	4475.4	4447.8	4485.3	4532.6	4631.3	4822.6	5029.7	5169.7	5169.7	5114.5	4939.0
25°	4765.4	4737.8	4779.2	4822.6	4909.4	5126.4	5369.0	5542.5	5550.4	5455.7	5175.7
27.5°	5128.3	5092.8	5124.4	5175.7	5226.9	5447.9	5735.8	5937.0	5941.0	5795.0	5400.5
30°	5826.6	5726.0	5627.3	5572.1	5595.8	5814.7	6122.4	6345.3	6365.0	6163.9	5645.1
32.5°	7104.7	7085.0	6737.8	6284.2	6047.5	6209.2	6554.4	6822.6	6834.5	6576.1	5962.7
35°	9090.9	9067.3	8509.1	7645.1	6873.9	6737.8	7079.1	7396.6	7388.7	7096.8	6374.9
37.5°	11461.8	11440.1	10704.4	9548.5	8300.0	7536.7	7755.6	8088.9	8138.3	7755.6	6907.5
40°	13487.5	13406.6	12941.1	11826.7	10193.5	8862.1	8718.1	8939.1	8990.3	8536.7	7584.0
42.5°	15022.0	14953.0	14716.3	14020.0	12485.5	10822.7	9852.3	9937.1	9994.3	9449.9	8361.1
45°	15816.9	15801.2	15895.8	15830.7	14820.9	13229.1	11473.6	11120.6	11142.3	10461.8	9242.8
47.5°	15929.4	15921.5	16353.4	16964.9	16828.8	15943.2	13554.6	12596.0	12519.0	11603.8	10201.4
50°	15266.6	15250.8	16079.3	17225.2	18170.0	18223.3	15917.5	14258.7	14089.1	12785.3	11201.4
52.5°	13150.2	13146.3	14507.2	16414.6	18641.5	20219.4	18252.9	16085.2	15801.2	14035.8	12258.7
55°	10118.6	10191.6	11751.8	14006.2	17781.5	21180.0	20349.6	18112.8	17676.9	15294.2	13233.0
57.5°	7167.8	7274.3	8816.8	10824.7	15114.7	20611.9	21767.8	20144.4	19675.0	16548.7	14221.2
60°	3850.2	3944.9	5489.3	7885.8	11244.8	18493.5	22515.3	21907.8	21464.0	17740.1	15112.8
62.5°	2293.9	2325.5	2964.6	5090.8	7605.7	14128.5	22197.8	23251.0	22886.1	18740.1	15887.9
65°	1647.0	1652.9	1974.4	3108.6	4617.5	8584.0	19970.9	23894.0	23781.6	19493.5	16461.9
67.5°	1386.6	1382.7	1516.8	2065.1	3146.0	4299.9	15306.1	22984.8	23462.1	19970.9	16787.4
70°	1189.4	1195.3	1353.1	1512.9	2364.9	2434.0	7609.6	20012.3	21030.1	20097.1	16767.6
72.5°	885.6	905.3	1051.3	1378.7	1785.1	1674.6	2627.3	14838.6	16678.9	18935.3	15897.8
75°	625.3	635.1	739.7	1159.8	1331.4	1219.0	1341.3	7670.8	10029.8	14517.1	13012.1
77.5°	481.3	499.0	560.2	810.7	1311.7	856.0	820.5	2654.9	4079.0	8769.4	8921.3
80°	260.4	291.9	404.3	585.8	921.1	605.5	406.3	1057.2	1382.7	4100.7	3439.9
82.5°	134.1	149.9	282.1	422.1	524.7	528.6	201.2	439.9	570.0	1266.3	471.4
85°	53.3	65.1	189.4	232.7	270.2	260.4	90.7	177.5	205.1	351.1	144.0
87.5°	11.8	19.7	69.0	53.3	51.3	55.2	21.7	41.4	39.4	41.4	25.6
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°	3538.5	3538.5	3538.5	3538.5	3538.5	3538.5	3538.5	3538.5	3538.5	3538.5	3538.5
2.5°	3560.2	3552.4	3530.7	3507.0	3479.4	3463.6	3453.7	3451.8	3437.9	3428.1	3437.9
5°	3619.4	3611.5	3570.1	3520.8	3467.5	3426.1	3386.7	3351.2	3299.9	3290.0	3286.1
7.5°	3737.8	3716.1	3649.0	3581.9	3481.3	3361.0	3215.1	3047.4	2897.5	2852.1	2830.4
10°	3883.7	3854.1	3769.3	3651.0	3428.1	3100.7	2747.6	2420.2	2159.8	2086.8	2059.2
12.5°	4049.4	4023.8	3911.3	3692.4	3205.2	2611.5	2071.1	1664.7	1412.3	1349.1	1331.4
15°	4246.6	4209.2	4053.3	3629.3	2806.8	1984.3	1422.1	1181.5	1090.8	1078.9	1067.1
17.5°	4455.7	4394.6	4179.6	3402.4	2270.3	1410.3	1098.6	1029.6	990.2	978.3	972.4
20°	4647.0	4568.2	4254.5	3059.2	1696.3	1098.6	984.2	938.9	903.4	889.6	881.7
22.5°	4838.4	4725.9	4254.5	2591.8	1272.2	974.4	903.4	862.0	820.5	802.8	792.9
25°	5037.6	4887.7	4179.6	2071.1	1023.7	893.5	826.4	781.1	745.6	723.9	716.0
27.5°	5230.9	5023.8	4008.0	1577.9	911.3	822.5	755.4	712.0	678.5	662.7	662.7
30°	5414.3	5157.9	3767.3	1197.3	838.3	753.5	690.4	652.9	619.3	603.6	605.5
32.5°	5662.9	5327.5	3510.9	982.3	775.2	688.4	631.2	595.7	566.1	554.3	554.3
35°	6008.0	5578.0	3290.0	964.5	721.9	635.1	577.9	544.4	514.8	504.9	504.9
37.5°	6497.2	5982.4	3173.6	1082.9	678.5	587.8	534.5	499.0	471.4	463.5	461.5
40°	7100.8	6530.7	3236.8	1201.2	648.9	546.4	495.1	459.6	435.9	426.0	424.1
42.5°	7816.7	7207.3	3585.9	1291.9	629.2	510.9	457.6	418.2	402.4	398.4	398.4
45°	8639.3	7950.9	4120.4	1388.6	597.6	477.3	420.1	390.5	378.7	376.7	374.8
47.5°	9574.2	8767.5	4739.8	1508.9	566.1	445.8	390.5	370.8	361.0	357.0	357.0
50°	10501.2	9590.0	5376.8	1576.0	540.4	416.2	366.9	351.1	343.2	341.2	341.2
52.5°	11471.7	10436.1	5891.7	1512.9	518.7	392.5	347.1	335.3	327.4	325.5	325.5
55°	12396.7	11120.6	5980.4	1284.1	475.4	368.8	325.5	319.5	309.7	309.7	307.7
57.5°	13193.6	11463.8	5353.2	942.8	432.0	333.3	303.8	297.8	289.9	288.0	286.0
60°	13925.4	11365.2	4132.2	635.1	384.6	297.8	276.1	272.2	264.3	254.4	252.5
62.5°	14337.6	10931.2	2826.5	414.2	337.3	260.4	244.6	242.6	224.9	205.1	201.2
65°	14493.4	10039.7	1763.4	301.8	282.1	222.9	211.1	207.1	181.5	159.8	157.8
67.5°	14357.3	8572.2	889.6	238.7	222.9	185.4	173.6	173.6	155.8	136.1	134.1
70°	13812.9	6426.2	374.8	191.3	171.6	142.0	142.0	149.9	132.2	110.5	108.5
72.5°	12631.5	4323.6	199.2	146.0	128.2	100.6	116.4	122.3	104.5	82.8	82.8
75°	10041.7	2637.1	138.1	108.5	80.9	71.0	88.8	92.7	71.0	55.2	53.3
77.5°	6868.0	1514.8	92.7	69.0	51.3	41.4	61.1	57.2	37.5	25.6	27.6
80°	3015.8	631.2	53.3	31.6	19.7	15.8	21.7	15.8	11.8	7.9	7.9
82.5°	353.1	147.9	19.7	11.8	7.9	3.9	2.0	0.0	0.0	0.0	0.0
85°	73.0	17.8	9.9	3.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.8	3.9	2.0	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)