

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: STREETWORKS

Report Number: P953940

Luminaire Tested: **GLAN-SB7B-830-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953940
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: STREETWORKS
Catalog Number: GLAN-SB7B-830-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3000K, 450mA 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: 29958 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 256.7
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

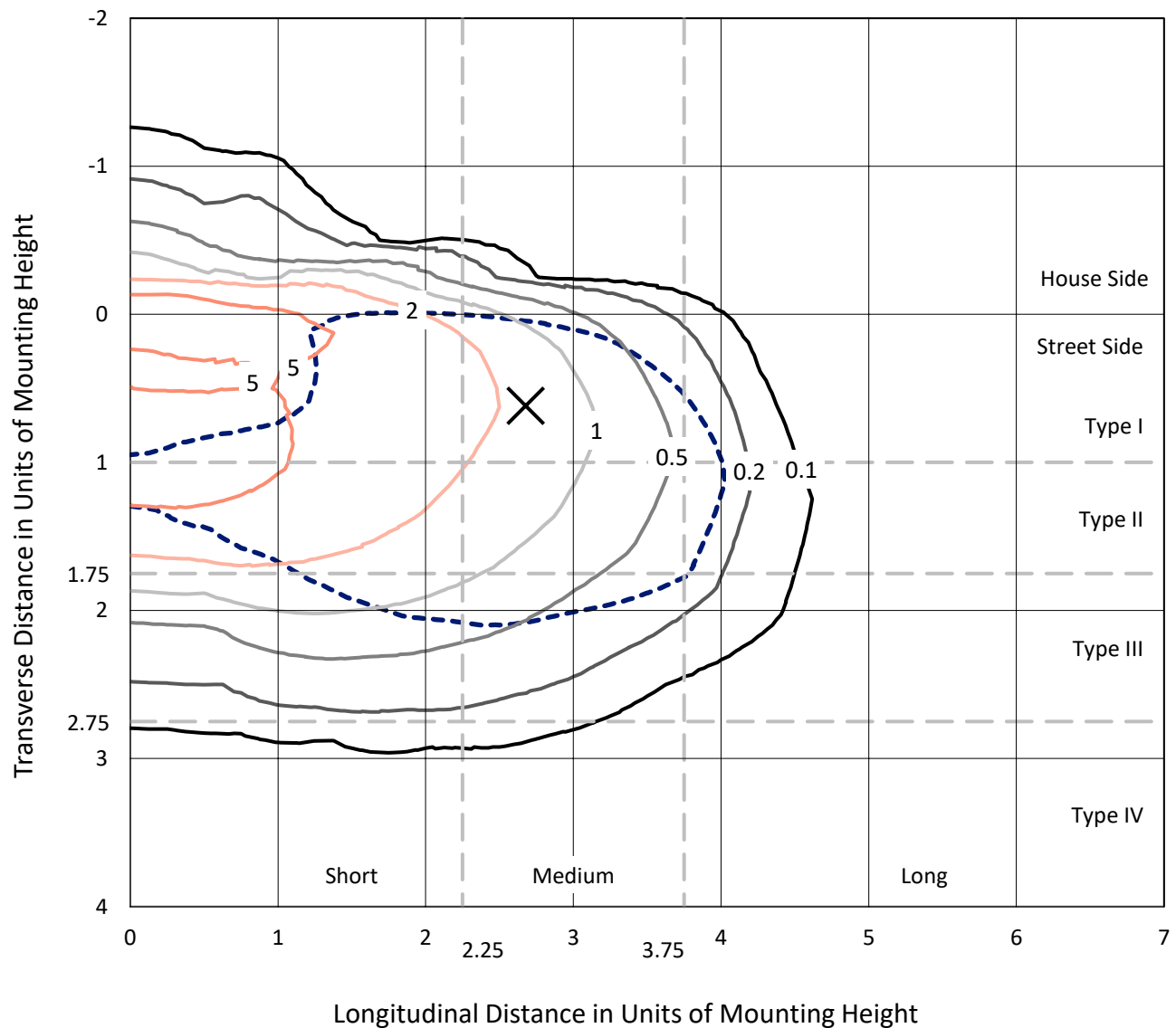


REPORT NUMBER: P953940

CATALOG NUMBER: GLAN-SB7B-830-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

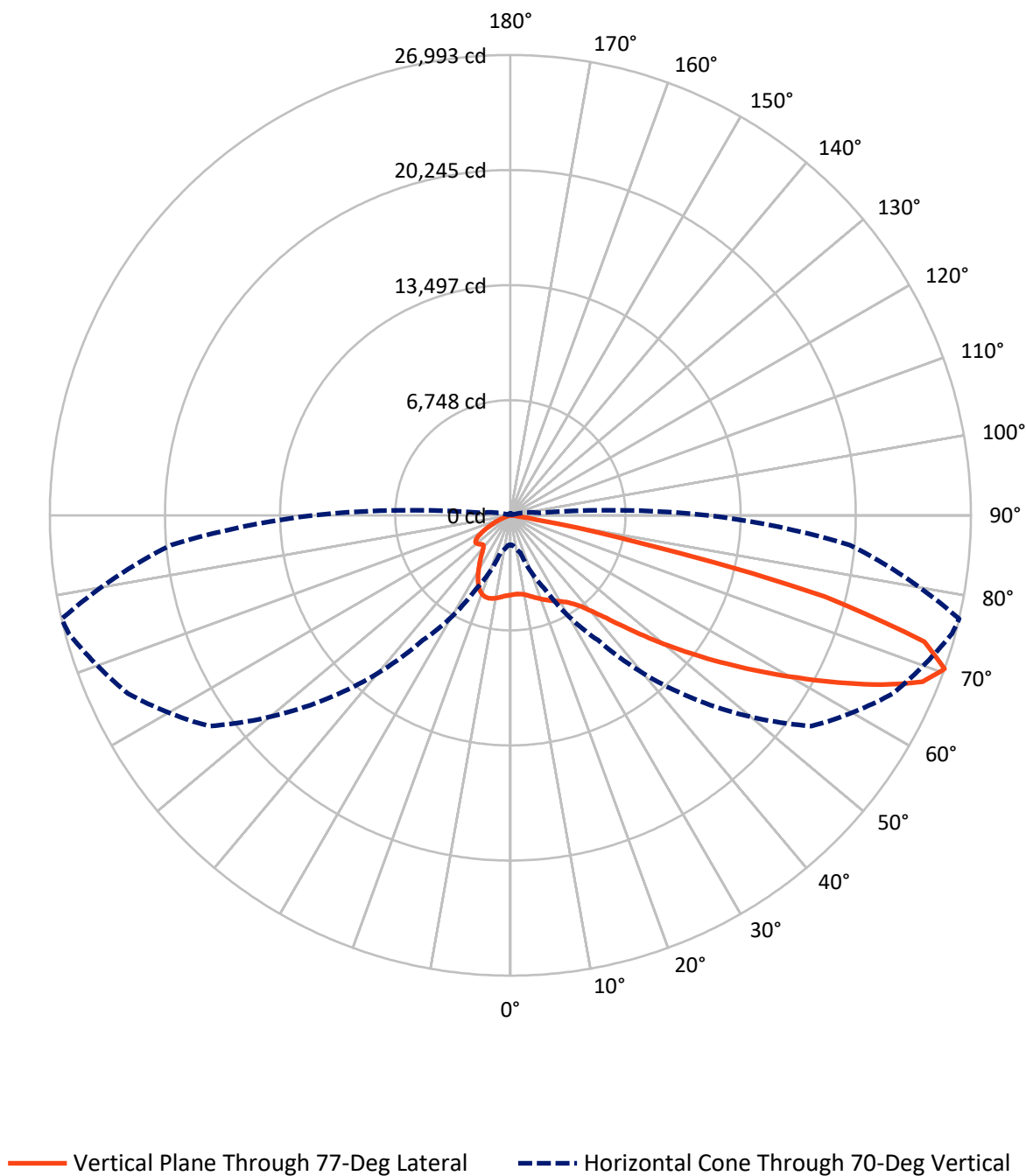
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
Type III - Medium - N/A

REPORT NUMBER: P953940
CATALOG NUMBER: GLAN-SB7B-830-U-T3R-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P953940

CATALOG NUMBER: GLAN-SB7B-830-U-T3R-HSS

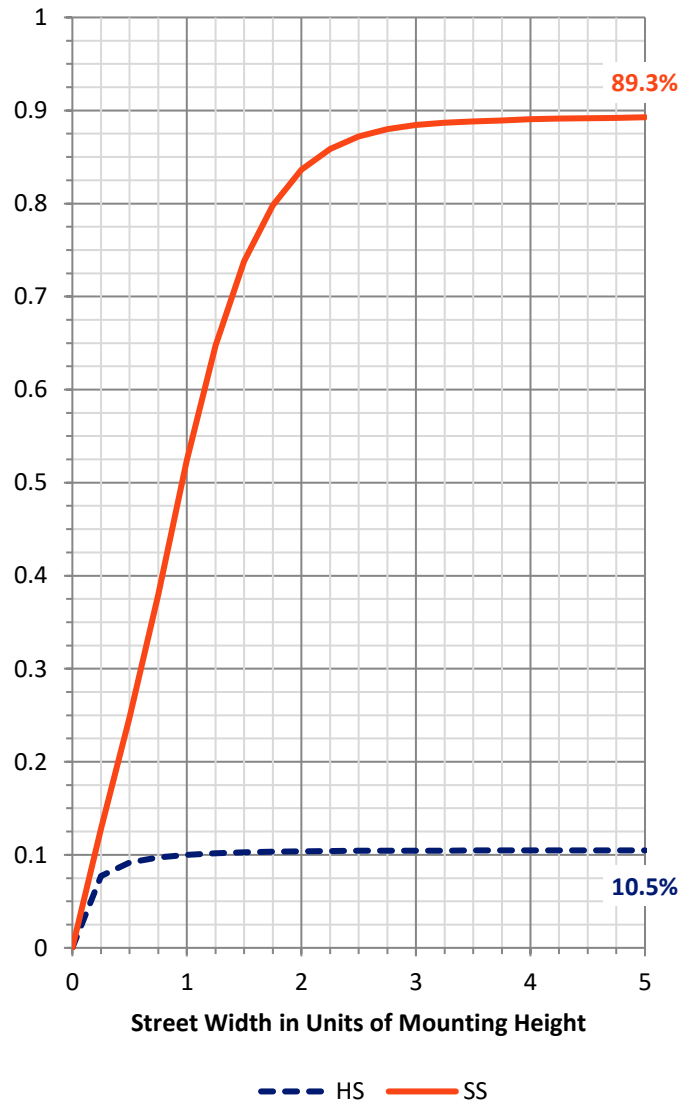
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3158.0	0.0	3158.0
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	26800.0	0.0	26800.0
	% Fixture	89.5	0.0	89.5
Total	Lumens	29958.0	0.0	29958.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.7	1.3
10°-20°	956.0	3.2
20°-30°	1478.7	4.9
30°-40°	2683.2	9.0
40°-50°	5064.9	16.9
50°-60°	7318.4	24.4
60°-70°	7790.2	26.0
70°-80°	4128.3	13.8
80°-90°	135.6	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°	29958.0	100.0
0°-180°	29958.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953940

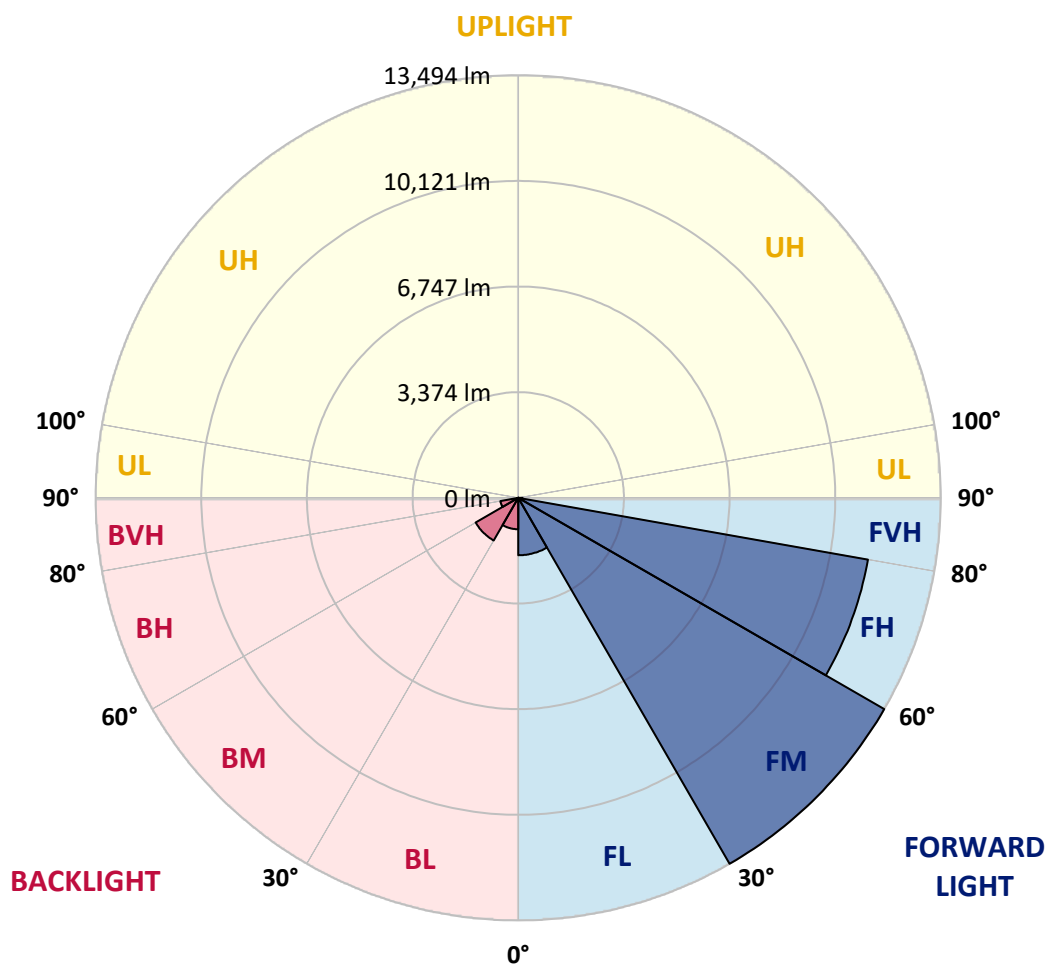
CATALOG NUMBER: GLAN-SB7B-830-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1834.1	6.1			
FM	(30°-60°)	13494.4	45.0			
FH	(60°-80°)	11339.5	37.9			G4/12000
FVH	(80°-90°)	131.9	0.4			G2/225
BL	(0°-30°)	1003.4	3.3	B3/2500		
BM	(30°-60°)	1572.1	5.2	B2/2500		
BH	(60°-80°)	578.9	1.9	B2/1000		G2/1000
BVH	(80°-90°)	3.6	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-G4

Type III Medium



REPORT NUMBER: P953940

CATALOG NUMBER: GLAN-SB7B-830-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	4672.9	4672.9	4672.9	4672.9	4672.9	4672.9	4672.9	4672.9	4672.9	4672.9
2.5°	4387.2	4427.0	4421.3	4447.8	4457.2	4495.1	4532.9	4584.0	4640.7	4638.9
5°	4139.4	4179.1	4188.6	4224.5	4269.9	4328.6	4406.2	4508.3	4614.3	4631.3
7.5°	3846.2	3887.8	3912.4	3984.3	4067.5	4188.6	4315.3	4464.8	4640.7	4665.3
10°	3552.9	3590.8	3622.9	3725.1	3857.5	4037.2	4243.5	4459.1	4695.6	4731.6
12.5°	3371.3	3407.2	3443.2	3532.1	3696.7	3916.2	4196.2	4485.6	4786.4	4837.5
15°	3307.0	3339.1	3367.5	3447.0	3600.2	3849.9	4186.7	4540.5	4901.8	4969.9
17.5°	3316.4	3333.5	3352.4	3412.9	3562.4	3819.7	4203.7	4635.1	5038.0	5098.6
20°	3371.3	3380.8	3382.7	3424.3	3556.7	3815.9	4237.8	4725.9	5166.7	5248.0
22.5°	3441.3	3445.1	3441.3	3469.7	3592.7	3844.3	4283.2	4835.6	5310.5	5386.1
25°	3768.6	3696.7	3605.9	3551.0	3653.2	3899.1	4351.3	4983.2	5467.5	5541.3
27.5°	4784.5	4578.3	4252.9	3887.8	3778.1	3978.6	4445.9	5132.6	5626.4	5692.6
30°	6434.2	6163.7	5611.3	4788.3	4179.1	4145.1	4568.9	5282.1	5794.8	5866.7
32.5°	8087.7	8021.5	7383.9	6245.0	5081.5	4515.9	4773.2	5484.5	6018.0	6074.8
35°	9760.1	9625.8	9103.7	7978.0	6472.1	5270.7	5113.7	5749.4	6311.3	6375.6
37.5°	11040.9	10959.6	10636.1	9709.1	8121.8	6436.1	5696.4	6159.9	6736.9	6808.8
40°	12172.3	12134.4	12024.7	11413.6	9966.3	7961.0	6602.6	6795.6	7327.2	7412.3
42.5°	13061.4	13150.4	13212.8	13042.5	11867.7	9701.5	7821.0	7688.5	8150.2	8237.2
45°	13971.4	14001.7	14253.3	14499.3	13755.8	11521.5	9194.5	8734.7	9173.7	9281.5
47.5°	14556.0	14677.1	15119.8	15553.0	15343.0	13326.3	10670.1	9970.1	10359.9	10562.3
50°	14599.5	14828.4	15437.6	16192.5	16499.0	15044.1	12274.4	11377.7	11792.0	12015.2
52.5°	13874.9	14230.6	15174.7	16279.5	17123.3	16499.0	13933.6	12785.2	13316.8	13608.2
55°	10638.0	11103.4	14185.2	15806.5	17147.9	17601.9	15549.2	14251.4	15015.7	15344.9
57.5°	9268.2	9502.8	11152.5	14985.5	16691.9	18046.5	17009.8	15647.6	16864.1	17272.7
60°	7711.2	8019.6	9353.4	13642.2	16073.3	18090.0	18300.0	17448.7	18867.6	19327.3
62.5°	5240.5	5575.3	6901.5	11334.2	15227.6	18069.2	19357.6	19302.7	21094.3	21588.1
65°	3246.4	3456.4	4330.5	9255.0	14045.2	18091.9	20464.3	21554.0	23444.0	23945.3
67.5°	2565.4	2661.9	3117.8	7105.8	12007.7	17581.1	21569.2	23671.0	25655.6	26052.9
70°	1723.5	1782.1	2268.3	4763.7	8933.4	15223.8	21548.3	24734.2	26794.5	26993.1
72.5°	908.1	953.5	1326.2	2205.9	5395.6	10821.5	18163.8	23462.9	25661.3	25362.3
75°	454.0	529.7	893.0	1120.0	2304.3	6035.0	11279.3	18498.7	20197.6	19039.7
77.5°	344.3	416.2	737.8	737.8	802.2	2031.9	4777.0	10089.3	9306.1	7749.1
80°	219.5	283.8	645.1	558.1	334.9	516.5	1244.8	2826.4	1977.0	1504.0
82.5°	128.6	185.4	537.3	368.9	187.3	191.1	351.9	601.6	512.7	399.2
85°	51.1	121.1	368.9	145.7	73.8	47.3	105.9	128.6	105.9	79.5
87.5°	0.0	28.4	64.3	0.0	5.7	3.8	7.6	9.5	9.5	7.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P953940

CATALOG NUMBER: GLAN-SB7B-830-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4672.9	0°	4672.9	4672.9	4672.9	4672.9	4672.9	4672.9	4672.9	4672.9	4672.9	4672.9
4676.7	2.5°	4693.7	4697.5	4708.9	4710.7	4684.3	4650.2	4637.0	4631.3	4608.6	4606.7
4707.0	5°	4750.5	4767.5	4750.5	4701.3	4584.0	4419.4	4294.5	4192.4	4099.7	4071.3
4811.0	7.5°	4864.0	4881.0	4829.9	4637.0	4341.8	4014.5	3719.4	3511.3	3324.0	3254.0
4937.8	10°	5026.7	5049.4	4888.6	4498.9	3976.7	3450.8	2951.3	2599.4	2325.1	2213.5
5109.9	12.5°	5231.0	5240.5	4920.7	4288.9	3501.8	2750.8	2043.2	1666.7	1422.7	1331.9
5318.0	15°	5456.1	5442.9	4924.5	4003.2	2854.8	1944.8	1333.8	1095.4	997.0	966.7
5526.1	17.5°	5692.6	5637.8	4848.9	3590.8	2145.4	1330.0	989.4	932.7	915.7	908.1
5732.4	20°	5925.3	5802.4	4710.7	3051.6	1540.0	993.2	898.6	881.6	872.1	868.4
5940.5	22.5°	6137.2	5927.2	4474.3	2425.4	1118.1	877.8	849.4	834.3	817.3	809.7
6142.9	25°	6343.4	5999.1	4141.3	1840.8	894.9	821.1	798.4	770.0	747.3	737.8
6360.5	27.5°	6544.0	6044.5	3725.1	1362.1	798.4	768.1	726.5	686.7	669.7	665.9
6593.2	30°	6757.7	6059.6	3252.1	1015.9	739.7	701.9	641.3	595.9	586.5	588.4
6907.2	32.5°	7018.8	6082.3	2775.4	832.4	690.5	622.4	550.5	503.2	495.7	503.2
7365.0	35°	7331.0	6127.8	2315.6	766.2	647.0	541.1	463.5	423.8	416.2	421.9
7951.5	37.5°	7754.8	6201.5	1886.2	753.0	611.1	473.0	389.7	357.6	357.6	359.5
8670.4	40°	8318.5	6398.3	1502.1	743.5	592.2	421.9	329.2	315.9	321.6	325.4
9586.1	42.5°	9005.3	6816.4	1243.0	732.2	571.3	399.2	298.9	293.2	302.7	306.5
10683.4	45°	9775.3	7346.1	1152.1	713.2	552.4	414.3	285.7	278.1	289.5	291.3
11913.1	47.5°	10571.7	7864.5	1140.8	692.4	533.5	437.0	281.9	264.9	278.1	280.0
13226.0	50°	11377.7	8203.1	1152.1	660.3	503.2	437.0	283.8	251.6	263.0	268.6
14588.2	52.5°	12189.3	8358.3	1144.6	590.3	450.3	410.5	283.8	240.3	251.6	255.4
16060.0	55°	12976.3	8328.0	1029.2	486.2	382.2	363.2	276.2	230.8	238.4	240.3
17450.6	57.5°	13598.7	7906.1	815.4	378.4	310.3	302.7	251.6	219.5	225.1	223.2
18725.7	60°	13924.1	6979.1	582.7	291.3	244.1	238.4	221.3	204.3	208.1	198.6
19805.9	62.5°	13927.9	5753.2	389.7	230.8	194.9	189.2	189.2	183.5	179.7	160.8
20642.1	65°	13630.9	4392.9	259.2	183.5	157.0	147.6	158.9	157.0	143.8	117.3
20897.5	67.5°	12957.4	2879.4	196.8	143.8	121.1	115.4	126.8	132.4	123.0	98.4
19966.7	70°	11572.5	1676.2	162.7	111.6	90.8	85.1	102.2	113.5	102.2	79.5
17066.5	72.5°	9612.6	904.3	132.4	83.2	62.4	56.8	81.4	92.7	81.4	58.6
10950.1	75°	6237.5	484.3	102.2	54.9	32.2	35.9	60.5	68.1	56.8	37.8
3214.3	77.5°	2094.3	213.8	64.3	26.5	15.1	15.1	35.9	41.6	26.5	13.2
584.6	80°	467.3	88.9	26.5	11.4	5.7	5.7	7.6	7.6	3.8	0.0
179.7	82.5°	153.2	35.9	11.4	3.8	0.0	0.0	0.0	0.0	0.0	0.0
45.4	85°	58.6	13.2	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.1	87.5°	22.7	1.9	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

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180°
4672.9
4610.5
4054.3
3225.6
2166.2
1303.5
966.7
906.2
864.6
807.8
734.0
662.2
588.4
501.3
420.0
357.6
325.4
306.5
293.2
281.9
270.5
255.4
240.3
223.2
196.8
155.1
113.5
96.5
75.7
56.8
34.1
11.4
0.0
0.0
0.0
0.0
0.0