

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: P950691

Luminaire Tested: **GLAN-SB5A-827-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950691
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5A-827-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16800 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

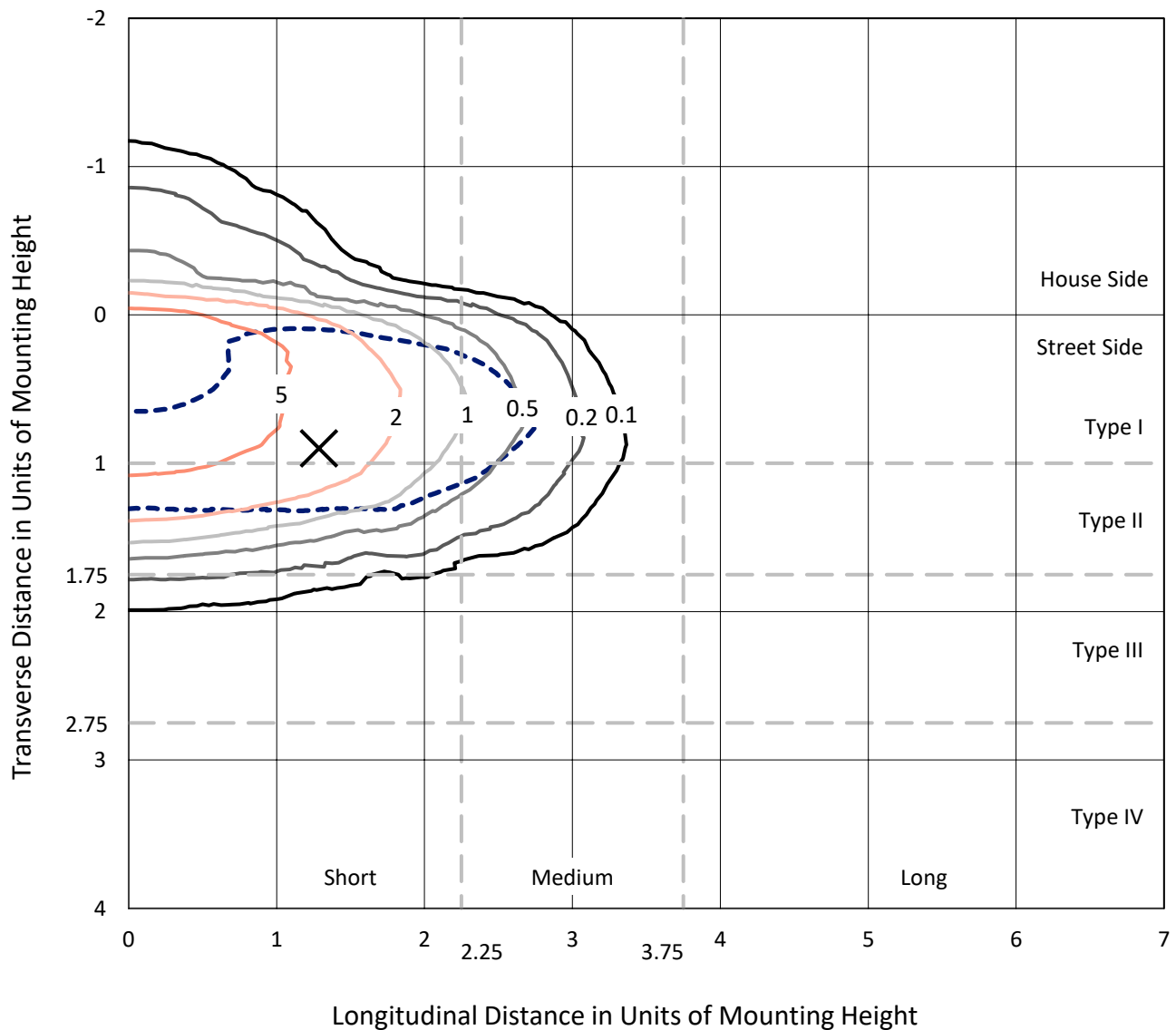
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

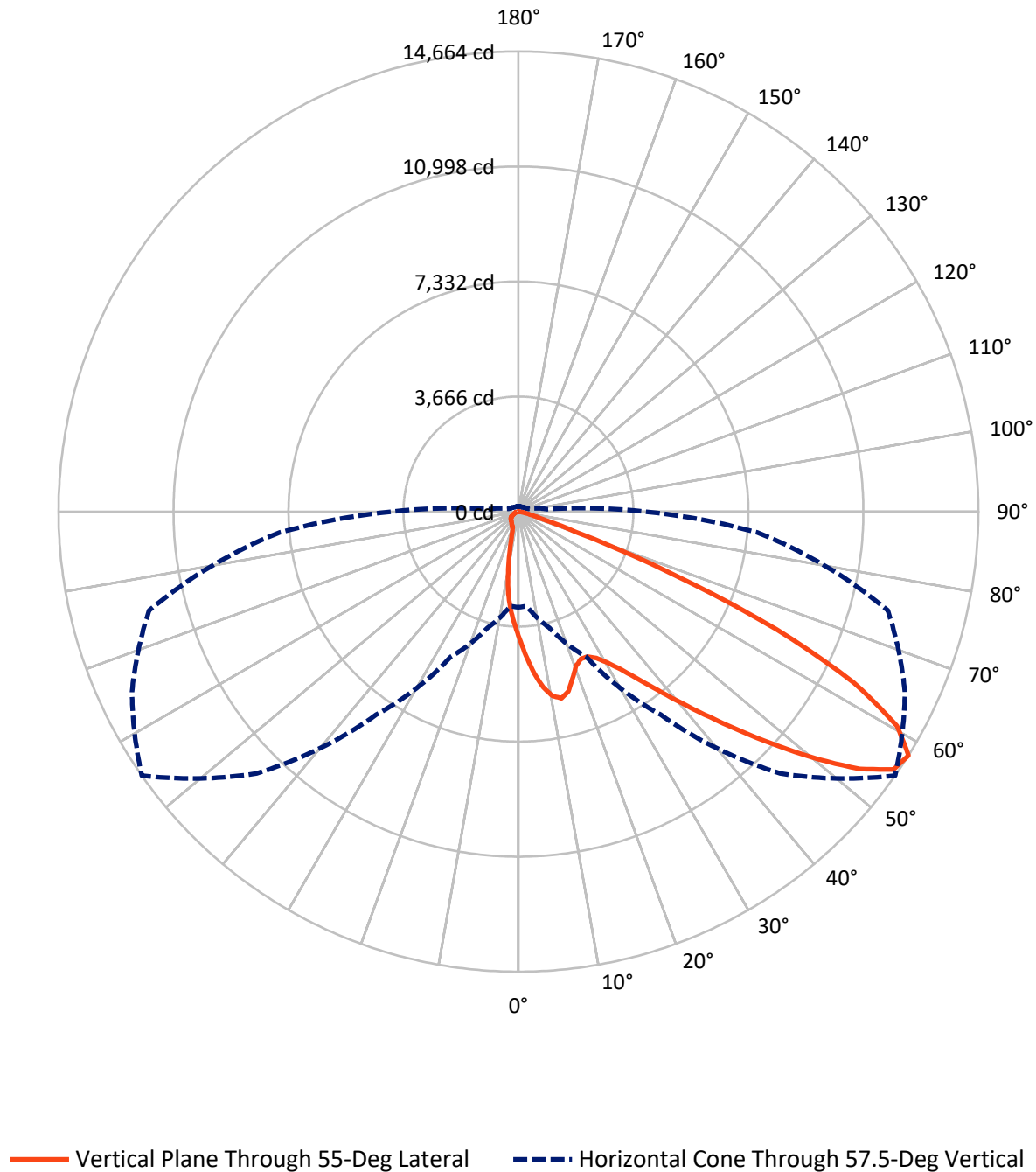
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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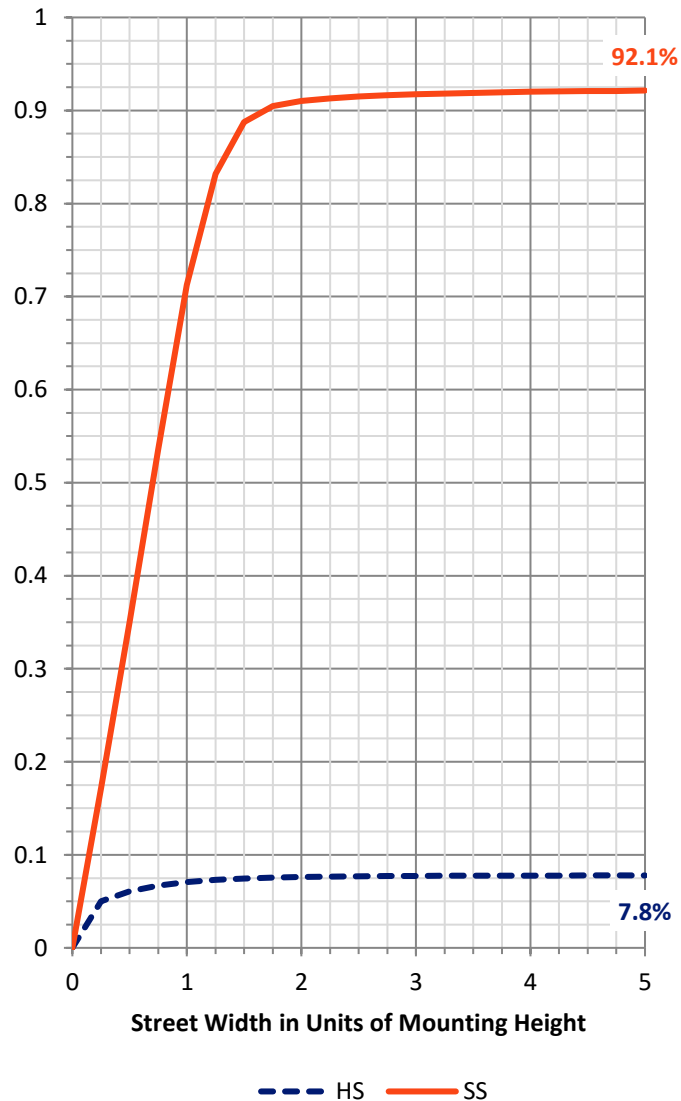
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1312.0	0.0	1312.0
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	15488.0	0.0	15488.0
	% Fixture	92.2	0.0	92.2
Total	Lumens	16800.0	0.0	16800.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.7	2.2
10°-20°	909.9	5.4
20°-30°	1455.8	8.7
30°-40°	2464.0	14.7
40°-50°	4045.4	24.1
50°-60°	4446.1	26.5
60°-70°	2550.3	15.2
70°-80°	521.1	3.1
80°-90°	30.7	0.2
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°	16800.0	100.0
0°-180°	16800.0	100.0

Coefficient of Utilization



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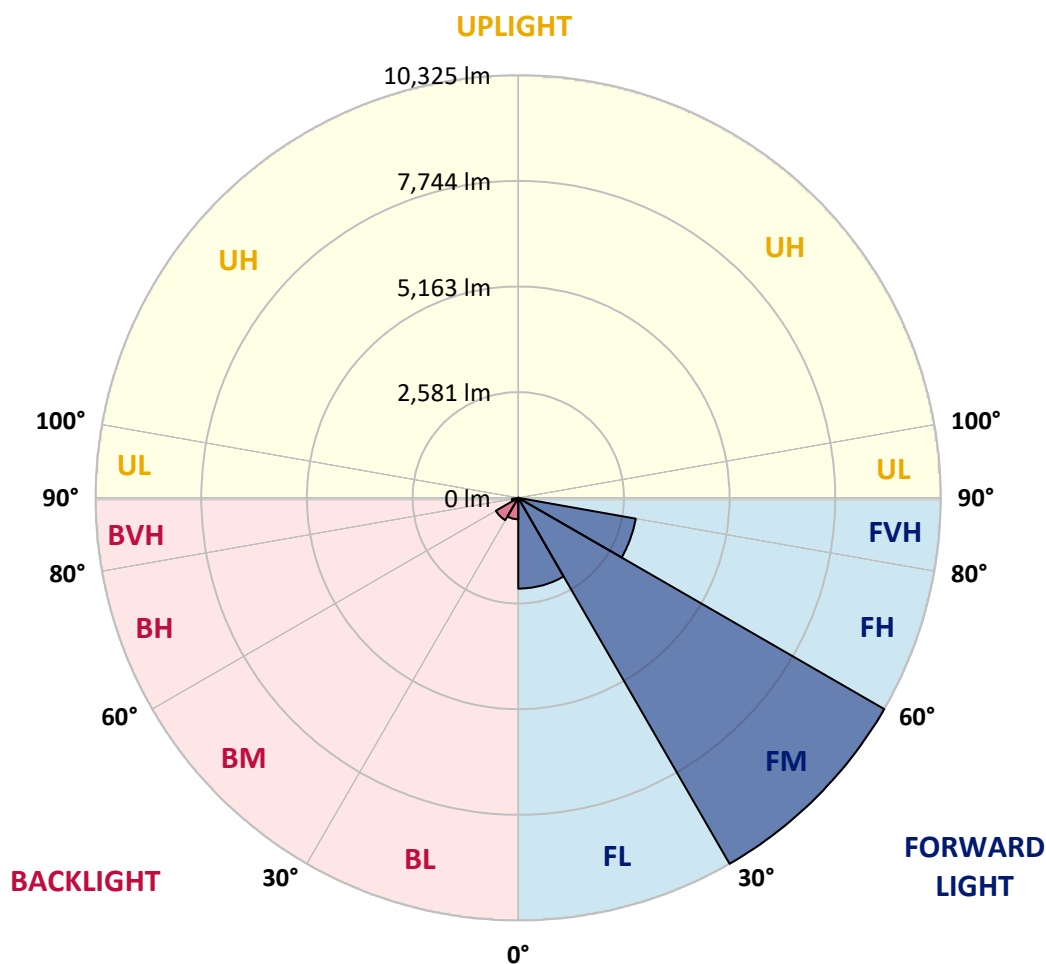
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2218.5	13.2			
FM	(30°-60°)	10325.4	61.5			
FH	(60°-80°)	2915.4	17.4			G2/5000
FVH	(80°-90°)	28.7	0.2			G1/100
BL	(0°-30°)	523.8	3.1	B2/1000		
BM	(30°-60°)	630.1	3.8	B1/1000		
BH	(60°-80°)	156.0	0.9	B1/500		G1/500
BVH	(80°-90°)	2.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4048.4	4048.4	4048.4	4048.4	4048.4	4048.4	4048.4	4048.4	4048.4	4048.4
2.5°	5023.2	4960.0	4950.7	4938.2	4818.1	4728.0	4597.4	4454.5	4293.9	4130.2
5°	5803.2	5753.5	5744.2	5686.2	5549.4	5396.1	5164.1	4870.9	4571.5	4219.3
7.5°	5954.5	5945.2	5987.6	5985.6	5966.9	5845.7	5649.9	5300.8	4851.2	4329.1
10°	5280.1	5303.9	5430.3	5541.2	5840.5	6014.6	5972.1	5684.1	5139.2	4454.5
12.5°	4665.8	4637.8	4728.0	4853.3	5201.4	5719.3	6105.7	6004.2	5468.6	4596.4
15°	4280.4	4269.0	4319.8	4377.8	4643.0	5165.1	5950.3	6264.2	5785.6	4764.2
17.5°	4157.2	4147.8	4163.4	4177.9	4349.8	4753.8	5580.5	6423.8	6089.2	4955.9
20°	4257.6	4245.2	4243.1	4231.7	4303.2	4578.8	5245.9	6435.2	6361.6	5129.9
22.5°	4550.8	4536.3	4485.5	4440.0	4446.2	4602.6	5096.7	6321.2	6566.7	5292.5
25°	5082.2	5058.4	4952.7	4799.4	4702.1	4768.4	5119.5	6171.0	6762.5	5419.9
27.5°	5747.3	5716.2	5580.5	5352.6	5129.9	5049.1	5284.2	6067.4	6925.1	5517.3
30°	6398.9	6358.5	6224.9	6047.7	5722.4	5467.6	5581.6	6113.0	7118.9	5618.8
32.5°	7102.3	7064.0	6886.8	6667.2	6397.9	6055.0	5988.7	6335.7	7356.1	5760.8
35°	7992.1	7932.1	7680.3	7380.9	7095.0	6748.0	6539.8	6720.0	7672.0	5977.3
37.5°	9005.3	8924.5	8653.1	8239.7	7866.8	7478.3	7211.1	7248.4	8135.1	6267.3
40°	9960.4	9886.8	9636.2	9246.6	8778.4	8307.1	8022.2	7939.3	8774.3	6620.6
42.5°	10533.3	10467.0	10361.3	10196.6	9801.9	9321.2	8961.8	8782.6	9530.5	7043.2
45°	10565.4	10507.4	10649.3	10840.9	10763.2	10443.1	10004.9	9676.6	10289.8	7440.0
47.5°	10051.6	10012.2	10443.1	11112.3	11445.9	11580.6	11176.6	10496.0	10916.6	7724.9
50°	8651.0	8636.5	9523.2	10751.8	11705.9	12577.1	12412.4	11258.4	11402.4	7872.0
52.5°	7501.1	7448.3	7965.2	9597.8	11327.8	13101.3	13620.3	12006.3	11742.2	7899.9
55°	5689.3	5642.7	6291.2	7666.9	10108.5	12914.8	14504.0	12778.1	11985.6	7828.5
57.5°	3051.8	3022.8	3842.2	5103.0	7902.0	11796.1	14663.5	13594.4	12190.7	7638.9
60°	1188.2	1183.0	1489.7	2475.9	4802.5	9596.8	13858.6	14084.4	12319.2	7405.8
62.5°	718.9	734.5	784.2	1111.5	2121.6	5961.7	12003.2	13527.1	12405.2	7192.4
65°	594.6	595.7	601.9	763.5	1016.2	2494.5	9036.4	11693.5	12192.8	6812.2
67.5°	509.7	519.0	542.8	606.0	716.9	1093.9	5202.4	9058.1	10901.0	5927.5
70°	401.9	414.4	444.4	498.3	553.2	684.7	1922.7	6027.0	8327.8	4467.9
72.5°	338.7	337.7	353.2	405.0	439.2	481.7	739.6	3377.1	4839.8	2133.0
75°	262.1	272.4	292.1	338.7	359.5	349.1	400.9	1233.8	1734.1	646.4
77.5°	205.1	213.4	231.0	276.6	297.3	247.6	231.0	441.3	557.3	232.0
80°	92.2	99.4	157.5	204.1	242.4	170.9	125.3	225.8	247.6	105.7
82.5°	16.6	28.0	92.2	107.7	124.3	110.8	65.3	117.1	121.2	42.5
85°	1.0	2.1	32.1	39.4	49.7	36.3	19.7	46.6	40.4	14.5
87.5°	0.0	0.0	0.0	1.0	1.0	5.2	6.2	8.3	6.2	5.2
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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CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
4048.4	0°	4048.4	4048.4	4048.4	4048.4	4048.4	4048.4	4048.4	4048.4	4048.4	4048.4
4057.7	2.5°	3983.1	3836.0	3693.1	3576.0	3507.6	3391.6	3315.0	3302.5	3270.4	3298.4
4068.1	5°	3906.5	3643.3	3377.1	3138.8	2943.1	2690.3	2501.8	2422.0	2352.6	2376.4
4095.0	7.5°	3870.2	3454.8	3040.4	2633.3	2214.8	1810.8	1510.4	1385.0	1289.7	1303.2
4125.0	10°	3821.5	3259.0	2609.5	1987.9	1427.5	1028.7	821.5	744.8	702.4	703.4
4169.6	12.5°	3784.2	3024.9	2109.1	1347.7	869.1	656.8	592.5	573.9	561.5	562.5
4236.9	15°	3765.6	2749.3	1615.0	898.1	621.6	556.3	540.8	532.5	524.2	523.1
4311.5	17.5°	3734.5	2442.7	1182.0	655.7	543.9	521.1	507.6	498.3	487.9	485.8
4375.7	20°	3687.9	2094.6	864.0	554.2	509.7	492.1	473.4	461.0	448.6	446.5
4416.1	22.5°	3601.9	1726.9	664.0	512.8	484.8	465.1	442.3	427.8	415.4	413.3
4396.5	25°	3442.4	1381.9	559.4	486.9	463.1	439.2	414.4	394.7	383.3	381.2
4354.0	27.5°	3240.4	1085.6	507.6	463.1	435.1	413.3	385.4	366.7	356.4	354.3
4298.0	30°	3002.1	836.0	477.6	436.1	401.9	383.3	358.4	342.9	336.7	336.7
4258.7	32.5°	2745.2	668.2	465.1	409.2	372.9	352.2	332.5	326.3	324.2	323.2
4280.4	35°	2503.8	580.1	458.9	387.4	347.0	327.4	319.1	320.1	324.2	324.2
4347.8	37.5°	2289.4	552.1	455.8	371.9	324.2	306.6	311.8	321.1	317.0	317.0
4465.9	40°	2095.7	555.3	453.7	360.5	305.6	295.2	305.6	298.3	288.0	287.0
4609.9	42.5°	1947.5	581.2	449.6	351.2	294.2	287.0	282.8	271.4	270.4	272.4
4759.0	45°	1839.8	603.9	448.6	347.0	281.8	268.3	263.1	251.7	272.4	277.6
4820.1	47.5°	1712.4	603.9	448.6	332.5	261.1	255.9	247.6	235.2	255.9	261.1
4762.1	50°	1547.7	565.6	430.9	316.0	244.5	241.4	226.9	211.3	207.2	210.3
4626.4	52.5°	1339.4	496.2	386.4	293.2	227.9	221.7	204.1	192.7	189.6	189.6
4383.0	55°	1102.2	415.4	326.3	260.0	210.3	198.9	186.5	181.3	178.2	176.1
4042.2	57.5°	896.1	340.8	262.1	231.0	193.7	179.2	175.1	168.9	163.7	160.6
3757.3	60°	735.5	268.3	216.5	205.1	177.1	163.7	162.6	154.4	140.9	138.8
3522.1	62.5°	567.7	196.8	182.3	178.2	160.6	149.2	147.1	130.5	109.8	105.7
3188.6	65°	400.9	153.3	147.1	156.4	143.0	132.6	127.4	102.6	80.8	77.7
2668.5	67.5°	281.8	128.5	116.0	136.7	124.3	110.8	107.7	87.0	67.3	65.3
2018.0	70°	201.0	104.6	95.3	117.1	99.4	97.4	91.2	72.5	54.9	52.8
998.6	72.5°	141.9	79.8	73.6	101.5	68.4	83.9	74.6	55.9	41.4	39.4
339.8	75°	104.6	57.0	51.8	59.0	49.7	63.2	52.8	37.3	25.9	24.9
153.3	77.5°	76.7	36.3	31.1	29.0	29.0	39.4	29.0	15.5	11.4	10.4
77.7	80°	53.9	16.6	14.5	12.4	11.4	9.3	4.1	2.1	1.0	1.0
26.9	82.5°	32.1	7.3	7.3	5.2	3.1	0.0	0.0	0.0	0.0	0.0
10.4	85°	7.3	3.1	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
4.1	87.5°	1.0	1.0	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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