

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: P941417

Luminaire Tested: **GLAN-SB4D-940-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941417
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4D-940-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29573 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 293.6
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

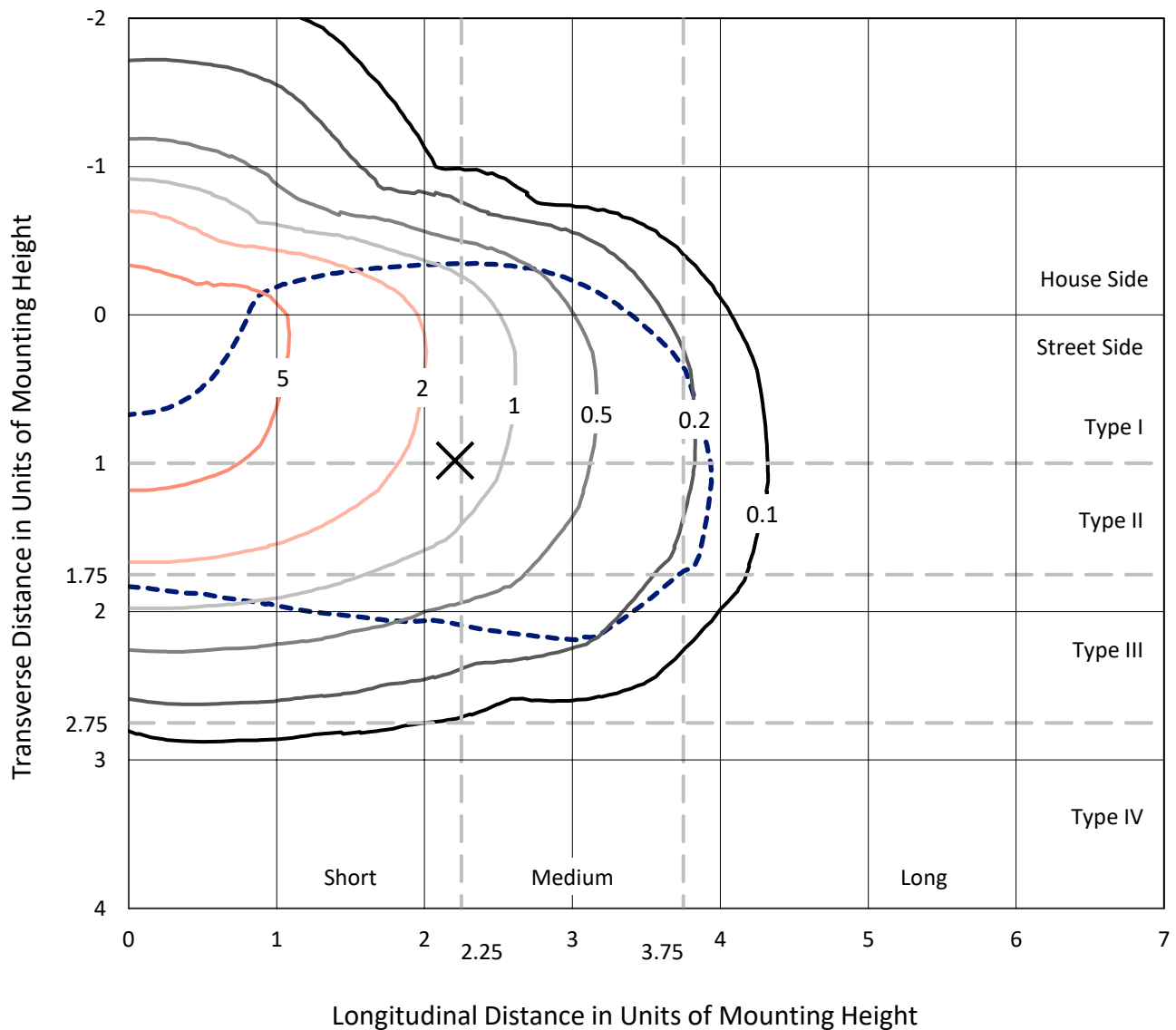


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Iso-Footcandle Lines of Horizontal Illumination

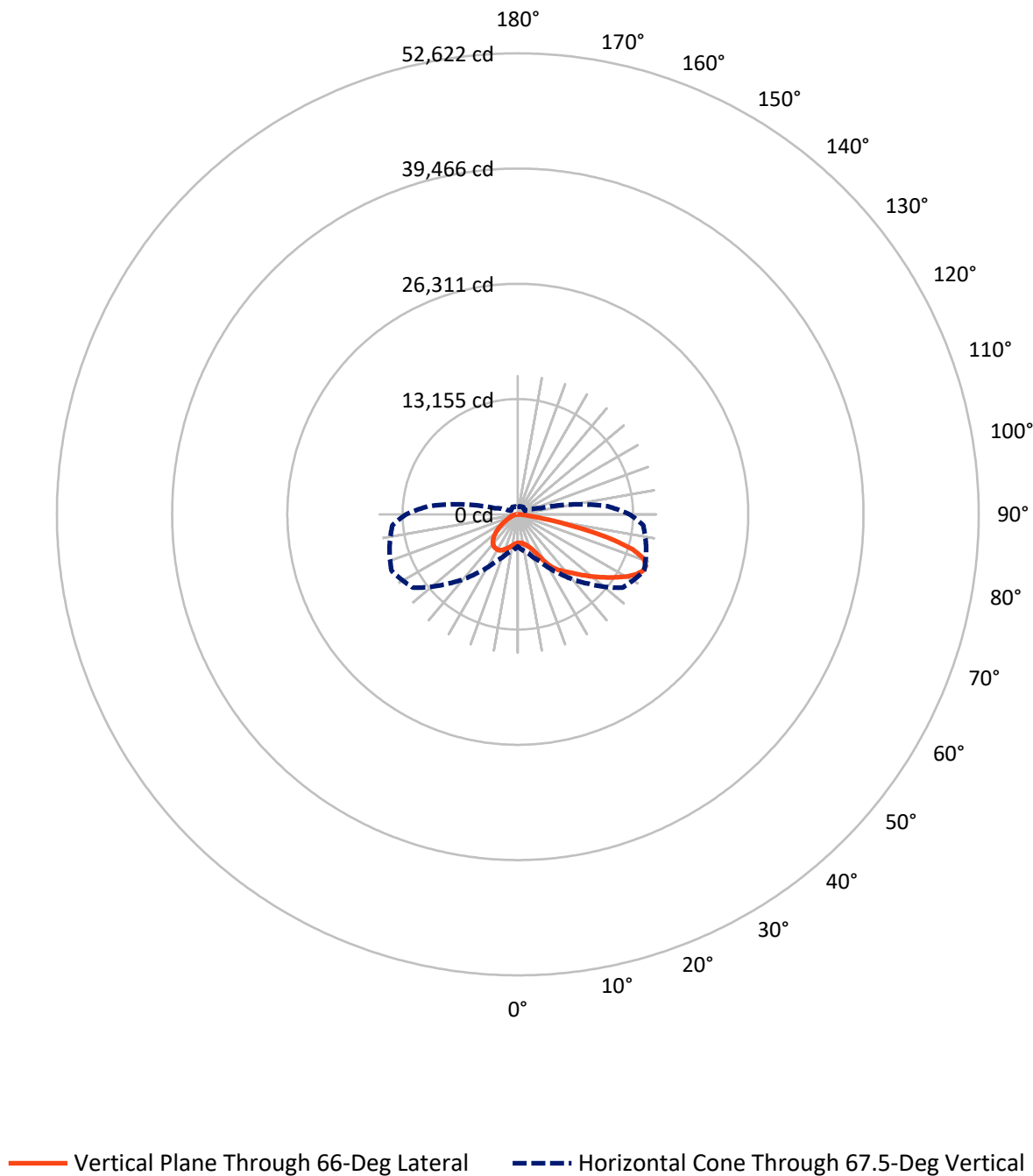
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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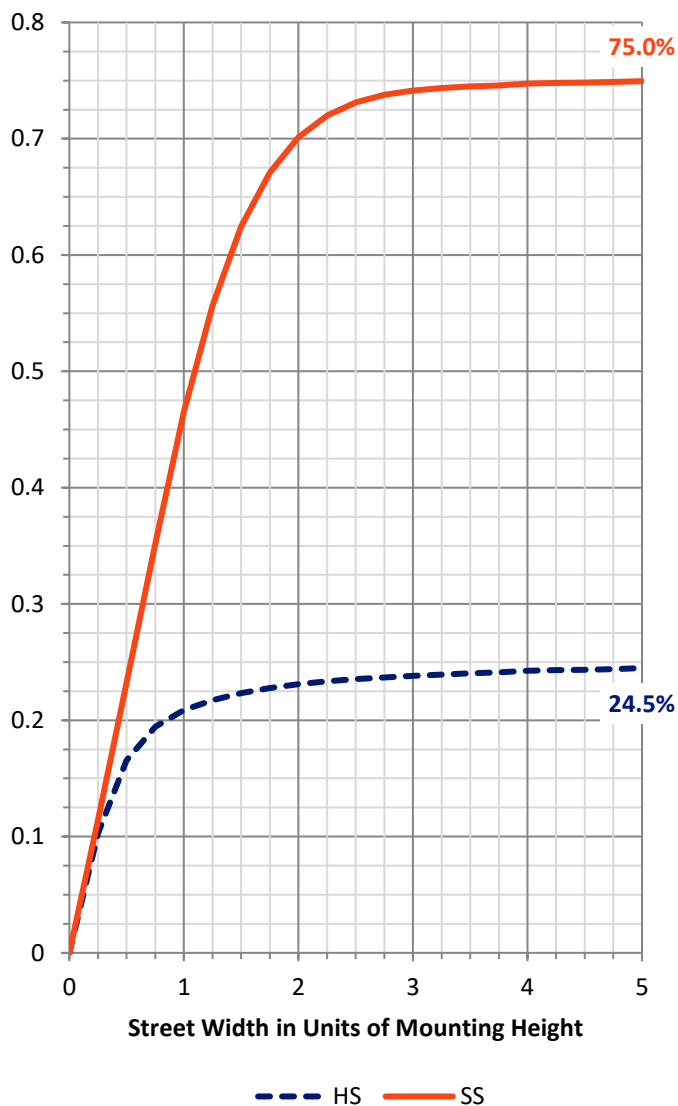
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7353.2	0.0	7353.2
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	22219.8	0.0	22219.8
	% Fixture	75.1	0.0	75.1
Total	Lumens	29573.0	0.0	29573.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.2	1.1
10°-20°	1074.4	3.6
20°-30°	2070.9	7.0
30°-40°	3631.1	12.3
40°-50°	5398.2	18.3
50°-60°	6842.7	23.1
60°-70°	6695.4	22.6
70°-80°	3193.8	10.8
80°-90°	341.3	1.2
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°	29573.0	100.0
0°-180°	29573.0	100.0

Coefficient of Utilization



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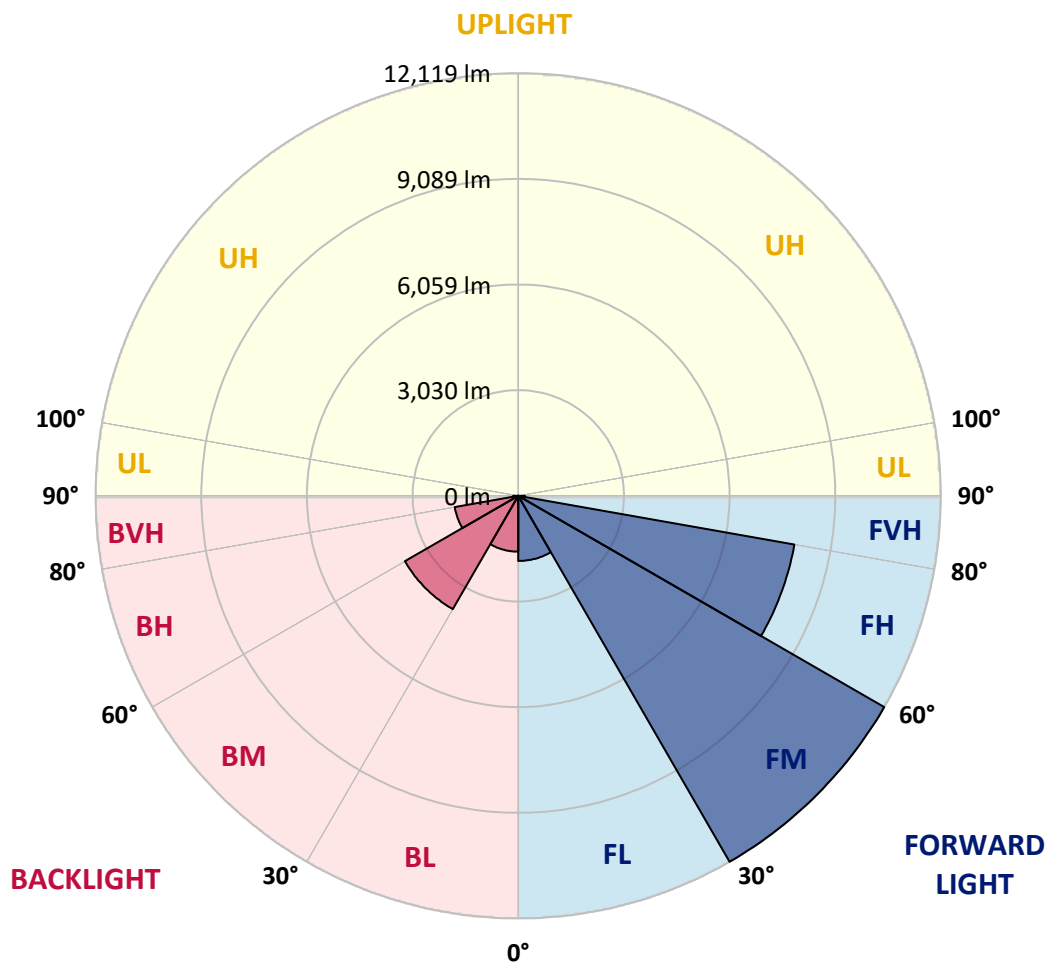
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1868.7	6.3			
FM	(30°-60°)	12118.8	41.0			
FH	(60°-80°)	8038.7	27.2			G4/12000
FVH	(80°-90°)	193.5	0.7			G2/225
BL	(0°-30°)	1601.8	5.4	B3/2500		
BM	(30°-60°)	3753.2	12.7	B3/5000		
BH	(60°-80°)	1850.5	6.3	B3/2500		G3/2500
BVH	(80°-90°)	147.8	0.5			G2/225
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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3280.0	3280.0	3280.0	3280.0	3280.0	3280.0	3280.0	3280.0	3280.0	3280.0
2.5°	3245.9	3264.5	3259.8	3252.1	3250.5	3253.6	3258.3	3262.9	3261.4	3269.2
5°	3236.5	3255.2	3253.6	3253.6	3259.8	3272.3	3280.0	3287.8	3280.0	3289.4
7.5°	3242.7	3256.7	3262.9	3269.2	3284.7	3308.0	3326.7	3343.7	3334.4	3345.3
10°	3322.0	3332.9	3339.1	3339.1	3350.0	3376.4	3395.0	3426.1	3418.3	3435.4
12.5°	3466.5	3477.4	3477.4	3471.2	3478.9	3496.0	3502.2	3536.4	3522.4	3550.4
15°	3643.6	3665.4	3648.3	3637.4	3640.5	3657.6	3656.1	3682.5	3668.5	3691.8
17.5°	3839.4	3867.4	3839.4	3837.8	3831.6	3850.3	3851.8	3875.1	3850.3	3867.4
20°	4070.9	4109.8	4086.5	4094.2	4080.2	4088.0	4095.8	4130.0	4091.1	4103.5
22.5°	4397.2	4443.8	4419.0	4448.5	4439.2	4432.9	4431.4	4492.0	4431.4	4436.1
25°	4872.7	4928.6	4885.1	4925.5	4925.5	4945.7	4969.0	5046.7	4945.7	4916.2
27.5°	5575.0	5630.9	5545.5	5570.3	5562.5	5612.3	5587.4	5780.1	5671.3	5623.1
30°	6420.2	6519.7	6358.1	6351.9	6344.1	6423.3	6459.1	6586.5	6476.2	6428.0
32.5°	7333.9	7438.0	7245.3	7189.4	7159.8	7208.0	7178.5	7281.0	7204.9	7130.3
35°	8300.3	8402.9	8219.5	8110.7	7992.7	7891.7	7786.0	7812.4	7740.9	7627.5
37.5°	9213.9	9401.9	9207.7	9091.2	8873.7	8676.3	8381.1	8258.4	8191.5	8087.4
40°	10144.7	10251.9	10104.3	10004.8	9768.6	9459.4	8987.1	8727.6	8637.5	8536.5
42.5°	10829.9	10932.4	10853.2	10784.8	10599.9	10241.0	9630.3	9305.6	9175.1	9061.7
45°	11373.7	11449.8	11400.1	11425.0	11345.7	10997.7	10296.9	9925.6	9790.4	9652.1
47.5°	11592.8	11673.6	11752.8	11900.4	12035.6	11779.2	11013.2	10596.8	10453.9	10312.5
50°	11567.9	11650.3	11880.2	12194.1	12613.6	12528.2	11768.4	11311.5	11179.5	11017.9
52.5°	11369.0	11462.3	11757.5	12279.5	12947.7	13089.1	12537.5	12049.6	11925.3	11732.6
55°	10847.0	10902.9	11345.7	12085.3	13026.9	13480.6	13291.1	12835.8	12711.5	12442.7
57.5°	9879.0	9959.8	10604.6	11561.7	12828.0	13746.3	13953.0	13662.4	13542.8	13155.9
60°	8615.7	8744.7	9482.7	10682.3	12321.5	13744.8	14554.3	14475.0	14375.6	13858.2
62.5°	7186.2	7335.4	8045.5	9439.2	11435.8	13354.8	14930.3	15155.6	15104.3	14506.1
65°	5519.0	5621.6	6328.6	7831.1	10057.6	12517.3	14973.8	15620.2	15629.5	14998.7
67.5°	3674.7	3969.9	4583.7	5876.4	8211.7	11148.4	14591.6	15696.3	15786.4	15168.0
70°	1793.1	2181.5	2782.8	3819.2	5876.4	9049.2	13592.5	15071.7	15272.1	14673.9
72.5°	744.3	870.1	1198.0	1884.7	3373.3	6106.4	11585.0	13378.1	13749.4	13002.1
75°	501.9	543.8	685.2	966.5	1536.7	3011.2	8354.7	9975.3	10573.5	9819.9
77.5°	386.9	413.3	498.8	675.9	913.6	1138.9	4471.8	6011.6	6320.8	5851.5
80°	304.5	324.7	372.9	492.5	647.9	609.1	1524.3	2723.8	2902.5	2434.8
82.5°	264.1	271.9	267.3	334.1	430.4	355.8	500.3	1005.3	1109.4	804.9
85°	191.1	212.9	222.2	206.7	228.4	180.2	205.1	355.8	391.6	349.6
87.5°	77.7	115.0	141.4	133.6	83.9	51.3	63.7	104.1	119.6	130.5
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):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3280.0	0°	3280.0	3280.0	3280.0	3280.0	3280.0	3280.0	3280.0	3280.0	3280.0	3280.0
3281.6	2.5°	3283.1	3294.0	3301.8	3311.1	3317.3	3326.7	3345.3	3356.2	3357.7	3365.5
3306.5	5°	3312.7	3328.2	3345.3	3370.2	3398.1	3421.4	3457.2	3482.0	3491.4	3499.1
3367.0	7.5°	3376.4	3398.1	3429.2	3472.7	3513.1	3544.2	3587.7	3617.2	3646.7	3657.6
3463.4	10°	3471.2	3502.2	3547.3	3606.3	3649.8	3690.2	3735.3	3760.2	3789.7	3802.1
3578.4	12.5°	3589.2	3621.9	3680.9	3763.3	3803.7	3831.6	3847.2	3841.0	3847.2	3858.0
3716.6	15°	3724.4	3760.2	3827.0	3915.5	3943.5	3918.6	3884.5	3853.4	3848.7	3851.8
3884.5	17.5°	3884.5	3910.9	3988.6	4063.1	4042.9	3940.4	3865.8	3816.1	3791.2	3783.5
4098.9	20°	4108.2	4108.2	4171.9	4218.5	4083.3	3909.3	3792.8	3712.0	3660.7	3639.0
4391.0	22.5°	4380.1	4355.3	4395.7	4363.0	4075.6	3822.3	3660.7	3520.9	3443.2	3412.1
4799.6	25°	4725.1	4695.5	4684.7	4482.7	4019.6	3684.0	3421.4	3252.1	3183.7	3166.6
5388.5	27.5°	5245.6	5171.0	5029.6	4547.9	3917.1	3466.5	3141.7	2984.8	2946.0	2947.5
6145.2	30°	5938.6	5789.4	5442.9	4558.8	3749.3	3158.8	2855.9	2744.0	2725.3	2733.1
6780.7	32.5°	6580.3	6438.9	5865.5	4509.1	3491.4	2857.4	2599.5	2524.9	2496.9	2506.3
7265.5	35°	7083.7	7044.9	6257.1	4439.2	3174.4	2574.6	2369.5	2305.8	2251.4	2239.0
7722.3	37.5°	7559.2	7543.6	6550.8	4341.3	2860.5	2374.2	2184.6	2100.7	2021.5	1978.0
8227.3	40°	8081.2	8065.7	6743.4	4190.6	2582.4	2200.2	2018.4	1908.0	1810.2	1730.9
8799.1	42.5°	8668.6	8576.9	6835.1	3974.6	2346.2	2052.5	1883.2	1734.0	1605.1	1532.0
9445.4	45°	9310.3	9103.6	6833.5	3699.6	2147.3	1917.4	1738.7	1527.4	1407.7	1339.4
10108.9	47.5°	9990.8	9607.0	6749.6	3395.0	1954.7	1768.2	1514.9	1353.3	1274.1	1232.2
10829.9	50°	10693.1	10077.8	6606.7	3045.4	1757.3	1598.8	1375.1	1264.8	1204.2	1165.3
11544.6	52.5°	11353.5	10505.1	6434.2	2649.2	1556.9	1434.1	1312.9	1227.5	1163.8	1120.3
12237.6	55°	11967.2	10873.4	6190.3	2243.7	1393.7	1323.8	1283.4	1212.0	1138.9	1087.6
12941.5	57.5°	12512.6	11112.7	5769.2	1863.0	1277.2	1247.7	1252.3	1185.5	1101.6	1058.1
13634.4	60°	12966.3	11288.2	5146.1	1510.3	1182.4	1173.1	1204.2	1135.8	1037.9	988.2
14220.2	62.5°	13238.2	11285.1	4381.7	1236.8	1101.6	1104.7	1140.5	1073.7	974.2	927.6
14526.3	65°	13214.9	11008.6	3542.6	1058.1	1023.9	1027.1	1073.7	1005.3	921.4	893.4
14372.5	67.5°	12747.2	10334.2	2717.6	941.6	938.5	952.5	1006.9	958.7	888.8	885.7
13455.8	70°	11480.9	8934.3	1957.8	848.4	849.9	870.1	941.6	929.2	871.7	877.9
11313.1	72.5°	9206.2	6811.8	1314.5	750.5	752.0	784.7	879.4	905.9	854.6	936.9
8026.8	75°	6131.2	4248.0	845.3	646.4	647.9	689.9	825.1	860.8	808.0	933.8
4176.6	77.5°	2946.0	1909.6	612.2	543.8	543.8	582.7	713.2	770.7	688.3	725.6
1342.5	80°	1017.7	717.8	481.7	438.2	428.8	455.3	601.3	668.1	593.5	546.9
438.2	82.5°	400.9	372.9	386.9	340.3	309.2	326.3	467.7	551.6	436.6	394.7
247.1	85°	230.0	242.4	273.5	225.3	178.7	200.4	343.4	396.2	329.4	290.6
80.8	87.5°	62.2	85.5	125.9	116.5	80.8	85.5	163.1	219.1	189.6	146.1
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°
3280.0
3363.9
3497.6
3659.2
3808.3
3861.2
3862.7
3794.3
3634.3
3407.4
3169.7
2952.2
2759.5
2518.7
2248.3
1979.5
1738.7
1536.7
1336.3
1222.8
1151.4
1101.6
1067.4
1030.2
966.5
913.6
891.9
890.3
876.3
949.4
941.6
665.0
512.7
393.1
296.8
150.7
0.0