

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: P847677

Luminaire Tested: **GLAN-SB3D-850-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847677  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3D-850-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20560 lumens  
Efficiency: N/A  
Efficacy: 94.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3

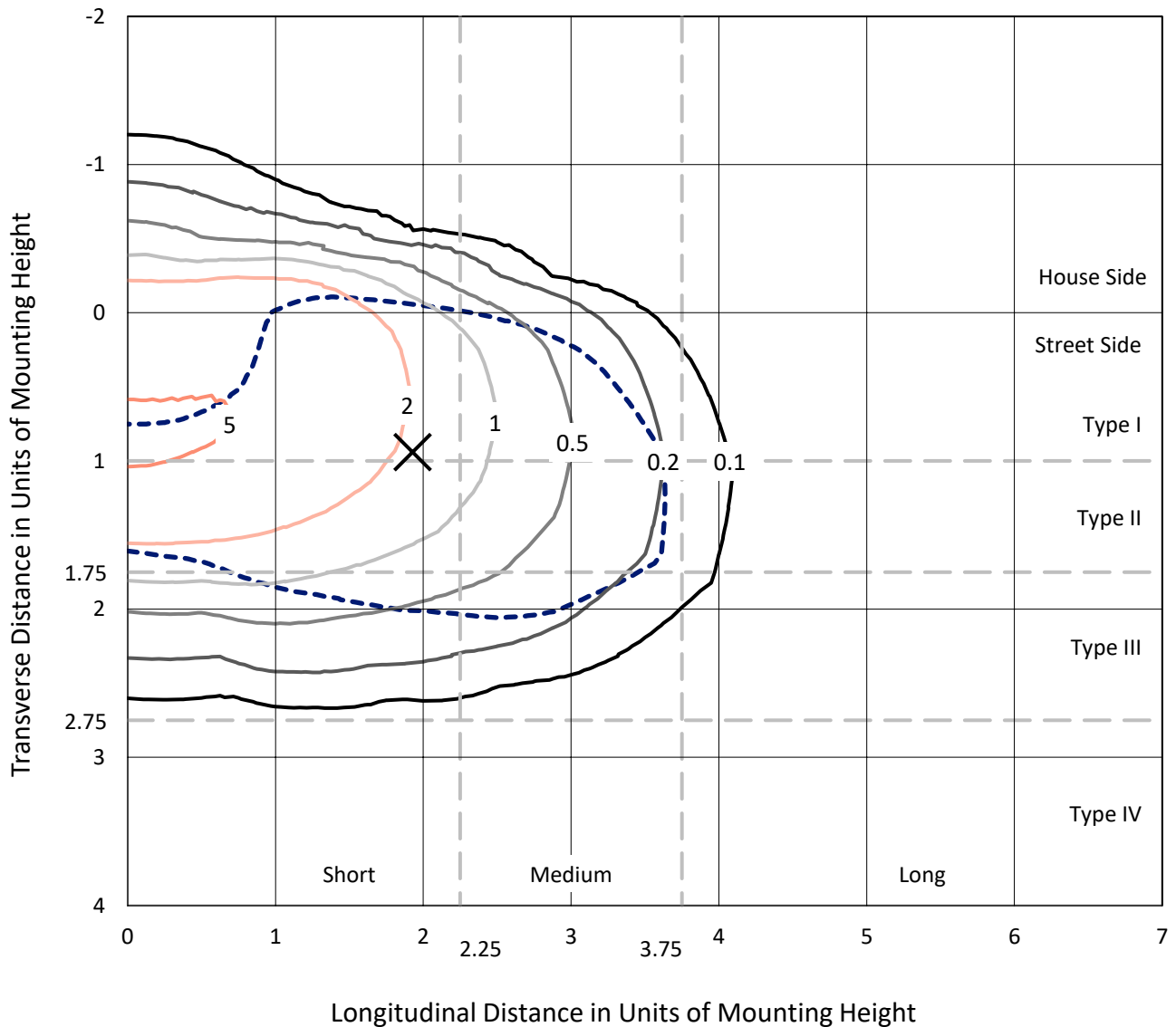
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

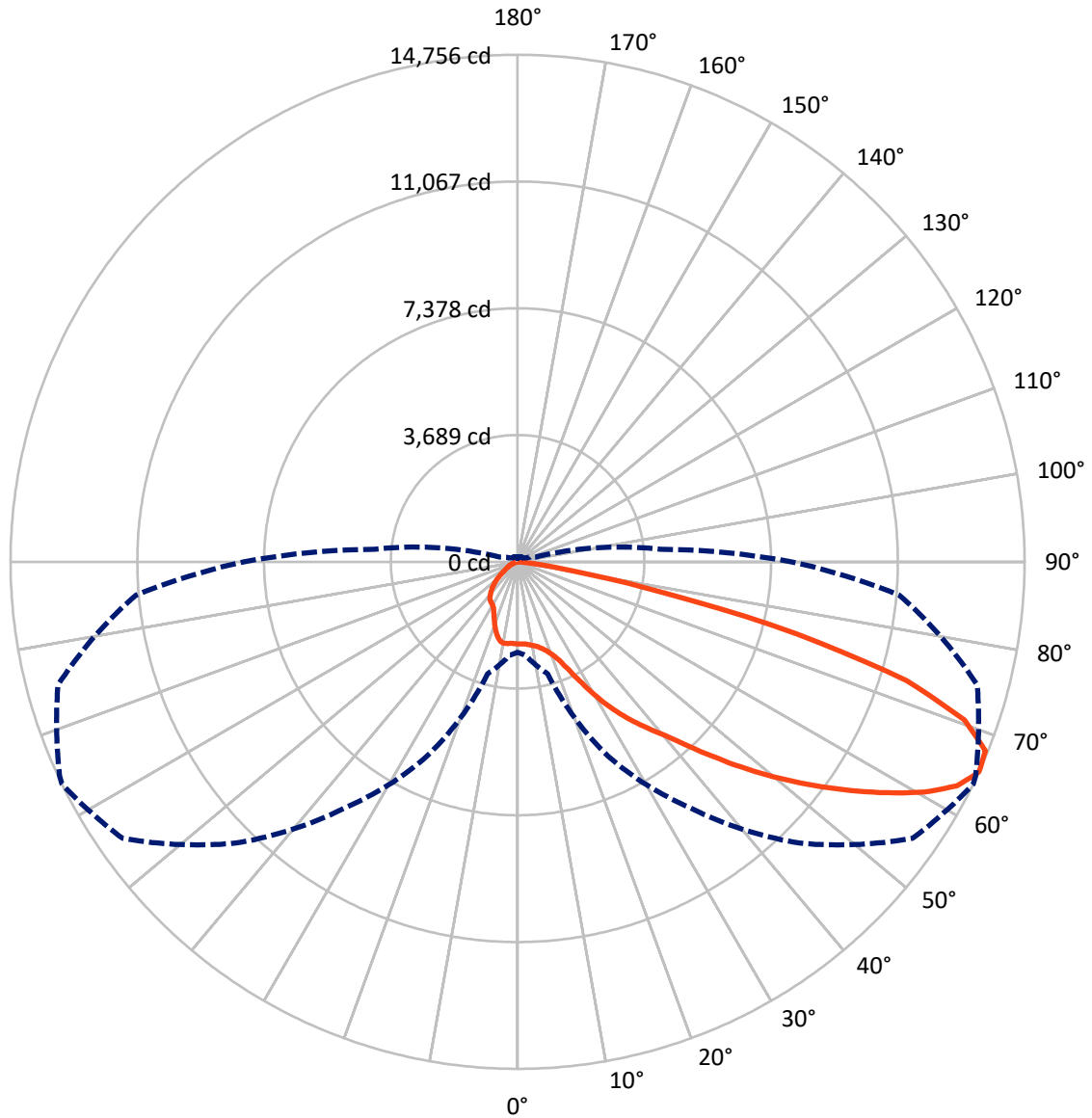
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2749.5	0.0	2749.5
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	17810.5	0.0	17810.5
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	20560.0	0.0	20560.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	220.6	1.1
10°-20°	598.4	2.9
20°-30°	1133.9	5.5
30°-40°	2294.5	11.2
40°-50°	3908.7	19.0
50°-60°	5315.6	25.9
60°-70°	4991.6	24.3
70°-80°	1999.8	9.7
80°-90°	96.9	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°	20560.0	100.0
0°-180°	20560.0	100.0

**Coefficient of Utilization**



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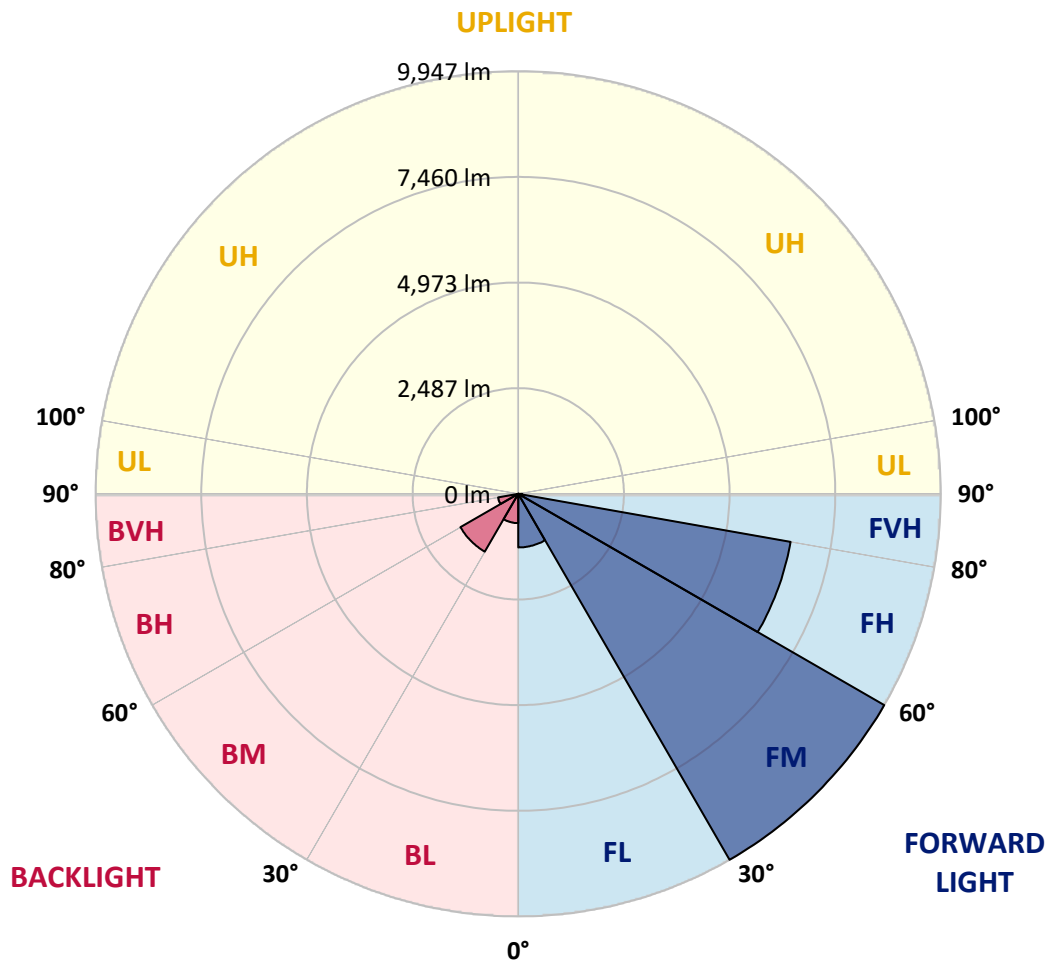
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1262.6	6.1			
FM (30°-60°)	9946.9	48.4			
FH (60°-80°)	6508.8	31.7			G3/7500
FVH (80°-90°)	92.2	0.4			G1/100
BL (0°-30°)	690.3	3.4	B2/1000		
BM (30°-60°)	1571.9	7.6	B2/2500		
BH (60°-80°)	482.6	2.3	B1/500		G1/500
BVH (80°-90°)	4.7	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-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2391.3	2391.3	2391.3	2391.3	2391.3	2391.3	2391.3	2391.3	2391.3	2391.3
2.5°	2383.1	2399.6	2395.5	2391.3	2390.0	2392.7	2394.1	2392.7	2392.7	2392.7
5°	2337.6	2351.4	2351.4	2361.0	2374.8	2391.3	2403.7	2406.5	2409.3	2413.4
7.5°	2250.8	2261.8	2270.1	2301.8	2336.2	2380.3	2417.5	2436.8	2439.6	2454.7
10°	2191.5	2205.3	2219.1	2252.1	2301.8	2367.9	2431.3	2478.2	2485.1	2520.9
12.5°	2188.7	2202.5	2220.4	2256.3	2314.2	2384.5	2461.6	2529.2	2541.6	2594.0
15°	2217.7	2234.2	2250.8	2294.9	2356.9	2442.3	2525.0	2609.1	2621.5	2695.9
17.5°	2276.9	2299.0	2311.4	2355.5	2421.7	2516.8	2625.7	2722.1	2733.2	2820.0
20°	2394.1	2420.3	2424.4	2460.3	2525.0	2627.0	2756.6	2876.5	2890.3	2989.5
22.5°	2636.7	2673.9	2640.8	2658.7	2716.6	2818.6	2959.2	3110.8	3130.1	3243.1
25°	3063.9	3116.3	3030.9	3000.5	3025.4	3131.5	3307.9	3499.5	3521.5	3612.5
27.5°	3903.3	3835.8	3706.2	3579.4	3505.0	3565.6	3764.1	4001.2	4028.8	4117.0
30°	4825.4	4766.1	4591.1	4309.9	4133.5	4123.9	4307.2	4571.8	4603.5	4687.6
32.5°	5748.9	5692.4	5502.2	5156.2	4850.2	4698.6	4825.4	5119.0	5135.5	5189.3
35°	6657.2	6599.3	6409.1	6054.8	5678.6	5334.0	5309.2	5640.0	5645.5	5702.0
37.5°	7571.0	7522.7	7320.1	6972.8	6602.0	6126.5	5896.3	6133.4	6140.3	6195.4
40°	8222.9	8243.6	8104.4	7835.6	7517.2	6997.6	6555.2	6658.5	6617.2	6709.5
42.5°	8782.5	8823.8	8702.6	8567.5	8382.8	7925.2	7371.1	7353.2	7287.0	7336.7
45°	9266.3	9300.7	9191.8	9160.1	9156.0	8834.9	8262.9	8155.4	8063.0	8053.4
47.5°	9444.1	9510.2	9557.1	9663.2	9870.0	9734.9	9185.0	9018.2	8914.8	8839.0
50°	9511.6	9581.9	9741.8	10050.5	10539.8	10597.7	10102.9	9915.5	9788.6	9650.8
52.5°	9420.6	9546.1	9761.1	10280.7	10990.5	11289.6	10983.6	10819.6	10674.9	10450.2
55°	8884.5	9009.9	9449.6	10277.9	11215.2	11774.8	11816.1	11743.1	11580.4	11226.2
57.5°	7754.3	7940.4	8636.4	9927.9	11211.0	12192.4	12632.1	12684.4	12502.5	11995.3
60°	6188.5	6440.8	7289.8	9151.9	10865.1	12418.4	13347.4	13609.3	13416.3	12753.4
62.5°	4318.2	4610.4	5413.9	7936.2	10074.0	12255.8	13869.8	14353.6	14207.5	13431.5
65°	2633.9	2727.6	3375.4	6245.1	8728.7	11574.9	14031.0	14756.0	14707.8	13846.3
67.5°	1754.6	1833.1	2019.2	4282.4	6775.7	10214.5	13645.1	14685.7	14699.5	13778.8
70°	1057.2	1124.7	1246.0	2490.6	4391.2	8085.1	12450.1	13789.8	13869.8	12876.0
72.5°	435.5	481.0	591.3	1128.8	2274.2	5131.4	9914.1	11839.6	12025.6	10826.5
75°	246.7	270.1	347.3	566.5	986.9	2391.3	6005.2	8404.8	8679.1	7462.1
77.5°	164.0	175.0	224.7	366.6	555.5	816.0	2566.4	4378.8	4902.6	4075.6
80°	110.3	119.9	154.4	245.3	361.1	350.1	817.3	1622.3	1995.8	1400.3
82.5°	74.4	75.8	110.3	161.3	228.8	169.5	241.2	504.5	634.0	405.2
85°	42.7	41.3	81.3	93.7	102.0	70.3	73.0	151.6	198.5	170.9
87.5°	5.5	8.3	31.7	24.8	13.8	15.2	15.2	26.2	38.6	41.3
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°
2391.3	0°	2391.3	2391.3	2391.3	2391.3	2391.3	2391.3	2391.3	2391.3	2391.3	2391.3
2394.1	2.5°	2394.1	2392.7	2388.6	2384.5	2374.8	2369.3	2372.0	2369.3	2367.9	2369.3
2412.0	5°	2412.0	2407.9	2396.9	2383.1	2363.8	2340.3	2325.2	2303.1	2282.5	2270.1
2460.3	7.5°	2460.3	2456.1	2441.0	2402.4	2340.3	2242.5	2152.9	2074.3	2015.1	1980.6
2537.4	10°	2537.4	2530.5	2507.1	2421.7	2259.0	2045.4	1867.6	1720.1	1623.6	1578.1
2628.4	12.5°	2628.4	2620.1	2578.8	2403.7	2104.7	1771.1	1525.8	1361.8	1272.2	1232.2
2733.2	15°	2735.9	2724.9	2643.6	2318.3	1880.0	1467.9	1243.2	1120.6	1062.7	1026.8
2866.9	17.5°	2869.6	2850.3	2691.8	2190.1	1636.0	1236.3	1069.6	977.2	926.2	891.8
3041.9	20°	3043.3	3011.6	2730.4	2037.1	1411.4	1090.2	952.4	875.2	836.6	806.3
3290.0	22.5°	3285.9	3240.4	2777.3	1871.7	1252.9	989.6	865.6	809.1	777.4	742.9
3635.9	25°	3586.3	3532.6	2835.2	1718.7	1144.0	902.8	802.2	755.3	718.1	678.1
4089.4	27.5°	4006.7	3910.2	2904.1	1593.3	1050.3	828.4	744.3	691.9	649.2	616.1
4603.5	30°	4475.3	4316.8	2964.7	1517.5	964.8	759.4	668.5	616.1	576.1	552.7
5065.2	32.5°	4919.1	4704.1	3004.7	1484.4	887.6	680.9	585.8	529.3	498.9	492.1
5517.3	35°	5338.1	5054.2	3000.5	1452.7	818.7	602.3	504.5	446.6	423.1	427.3
6003.9	37.5°	5820.5	5427.7	2971.6	1403.1	762.2	530.6	434.2	383.2	362.5	363.9
6595.1	40°	6381.5	5859.1	2953.7	1309.4	700.2	464.5	376.3	334.9	319.8	314.3
7218.1	42.5°	6979.7	6276.8	2956.4	1203.3	623.0	405.2	336.3	301.8	288.1	283.9
7911.4	45°	7580.6	6675.1	2960.6	1093.0	541.7	359.7	307.4	278.4	270.1	264.6
8614.3	47.5°	8145.7	7014.1	2883.4	974.5	461.7	325.3	283.9	264.6	257.7	250.8
9320.0	50°	8672.2	7240.2	2697.3	836.6	398.3	297.7	266.0	252.2	245.3	238.4
9959.6	52.5°	9081.6	7276.0	2390.0	694.7	354.2	277.0	255.0	242.6	234.3	227.4
10476.4	55°	9263.5	7051.4	1953.0	562.3	319.8	259.1	244.0	231.6	221.9	215.0
10883.0	57.5°	9216.7	6578.6	1523.0	452.1	286.7	241.2	230.2	221.9	210.9	199.9
11212.4	60°	8986.5	5946.0	1148.1	376.3	256.4	221.9	215.0	208.1	193.0	176.4
11339.2	62.5°	8588.2	5150.7	818.7	311.5	223.3	199.9	197.1	191.6	169.5	139.2
11151.8	65°	7978.9	4184.5	551.3	259.1	191.6	175.0	176.4	166.8	137.8	103.4
10465.4	67.5°	7088.6	3059.8	352.8	212.3	159.9	146.1	147.5	142.0	117.2	88.2
9164.3	70°	5954.2	2026.1	230.2	161.3	128.2	113.0	121.3	122.7	99.2	71.7
7033.4	72.5°	4365.1	1196.4	161.3	119.9	93.7	78.6	99.2	102.0	79.9	53.8
4231.4	75°	2487.8	567.9	121.3	86.8	57.9	55.1	77.2	77.2	55.1	35.8
1831.8	77.5°	1044.7	237.1	85.5	56.5	33.1	31.7	52.4	48.2	27.6	16.5
446.6	80°	301.8	106.1	45.5	27.6	13.8	12.4	20.7	15.2	6.9	2.8
169.5	82.5°	118.5	46.9	17.9	11.0	5.5	5.5	2.8	0.0	0.0	0.0
96.5	85°	70.3	19.3	8.3	4.1	1.4	0.0	0.0	0.0	0.0	0.0
20.7	87.5°	17.9	4.1	2.8	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

(END O



180°
2391.3
2374.8
2272.8
1982.0
1574.0
1228.1
1028.2
889.0
800.8
737.4
674.0
609.2
548.6
496.2
427.3
369.4
312.9
282.6
264.6
250.8
238.4
226.0
213.6
198.5
173.7
136.5
100.6
84.1
68.9
51.0
33.1
16.5
2.8
0.0
0.0
0.0
0.0

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