

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: P849355

Luminaire Tested: **GLAN-SB6B-835-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849355
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6B-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20646 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

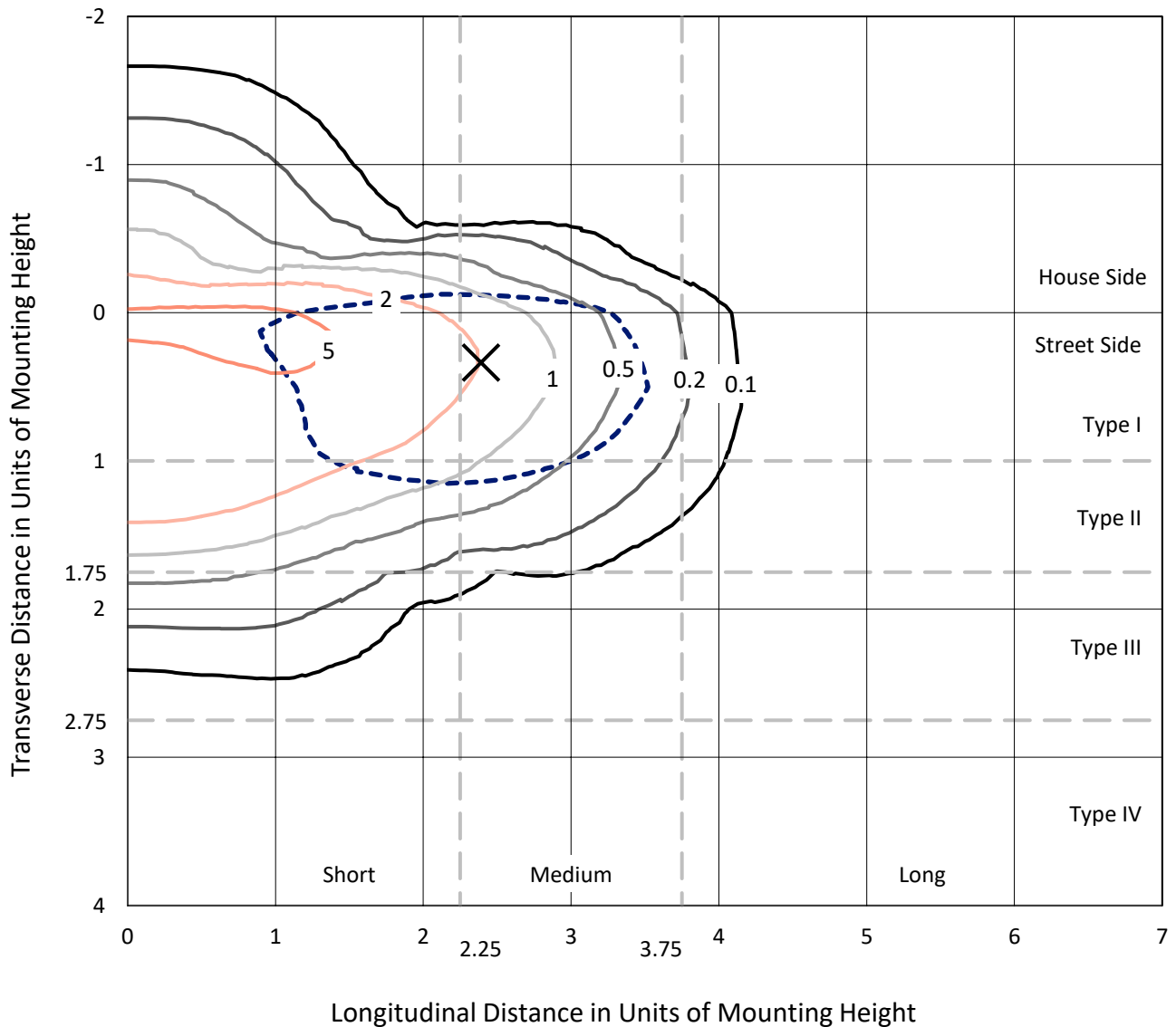
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

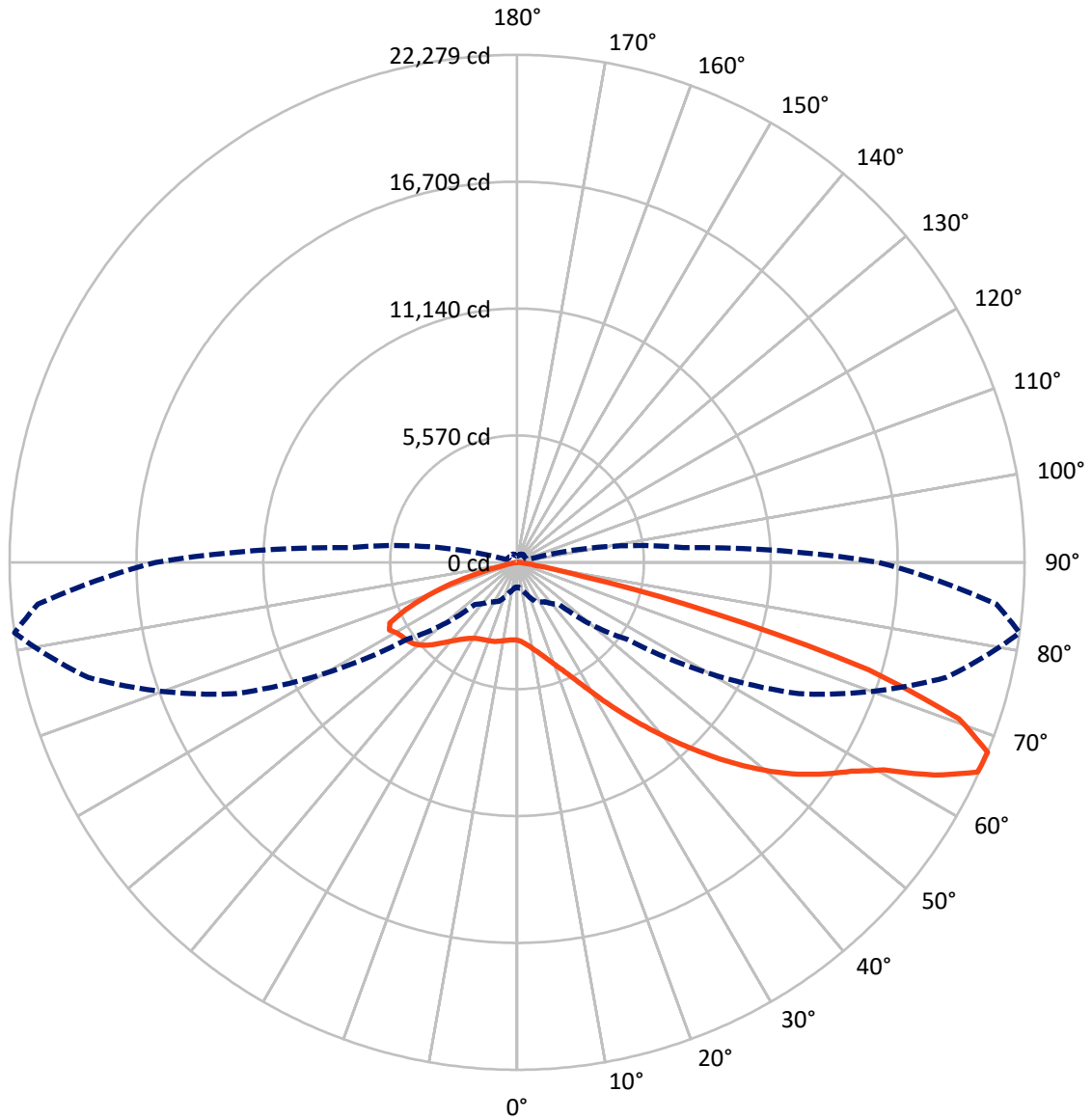
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type II - Medium - N/A

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CATALOG NUMBER: GLAN-SB6B-835-U-T2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3739.8	0.0	3739.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	16906.2	0.0	16906.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	20646.0	0.0	20646.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.7	1.5
10°-20°	791.9	3.8
20°-30°	1268.3	6.1
30°-40°	2242.8	10.9
40°-50°	3929.5	19.0
50°-60°	5240.9	25.4
60°-70°	4879.0	23.6
70°-80°	1872.6	9.1
80°-90°	116.3	0.6
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°	20646.0	100.0
0°-180°	20646.0	100.0

Coefficient of Utilization

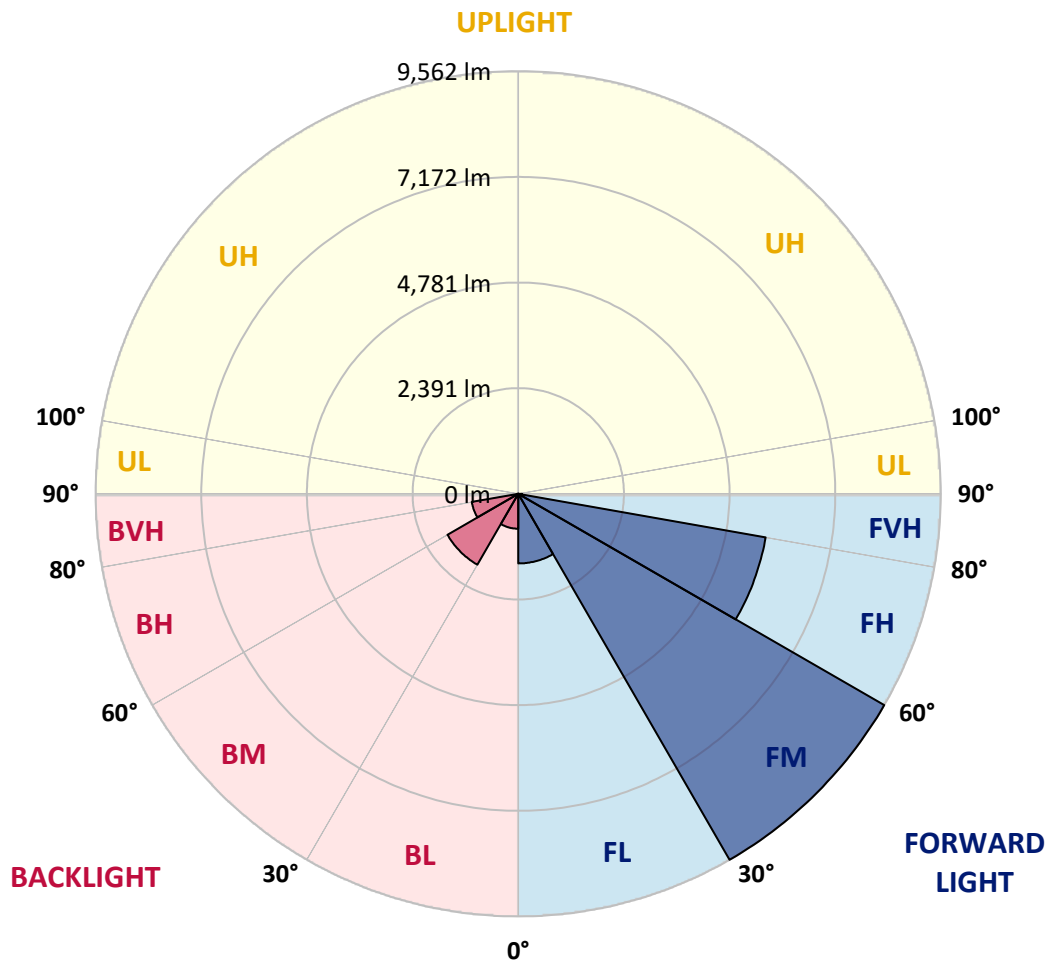


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1575.1	7.6			
FM (30°-60°)	9562.4	46.3			
FH (60°-80°)	5684.2	27.5			G3/7500
FVH (80°-90°)	84.6	0.4			G1/100
BL (0°-30°)	789.8	3.8	B2/1000		
BM (30°-60°)	1850.8	9.0	B2/2500		
BH (60°-80°)	1067.4	5.2	B3/2500		G3/2500
BVH (80°-90°)	31.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3420.3	3420.3	3420.3	3420.3	3420.3	3420.3	3420.3	3420.3	3420.3	3420.3
2.5°	3615.1	3635.9	3624.0	3618.0	3607.6	3592.8	3580.9	3543.7	3505.1	3479.8
5°	3687.9	3708.7	3707.2	3713.2	3720.6	3725.1	3722.1	3680.5	3625.5	3582.4
7.5°	3625.5	3649.3	3668.6	3698.3	3750.3	3805.3	3832.1	3823.2	3766.7	3707.2
10°	3448.6	3473.9	3519.9	3589.8	3699.8	3818.7	3918.3	3964.4	3928.7	3863.3
12.5°	3124.5	3149.8	3240.5	3392.1	3576.4	3783.0	3973.3	4096.7	4105.6	4040.2
15°	2760.4	2785.6	2882.2	3072.5	3353.5	3684.9	4003.0	4236.4	4315.2	4258.7
17.5°	2534.4	2556.7	2629.5	2782.7	3075.5	3488.7	3992.6	4385.1	4564.9	4520.3
20°	2466.0	2485.4	2519.5	2626.6	2870.4	3285.1	3924.3	4524.8	4834.0	4808.7
22.5°	2538.9	2556.7	2567.1	2614.7	2767.8	3151.3	3838.0	4667.5	5146.1	5149.1
25°	2706.8	2724.7	2712.8	2742.5	2809.4	3109.7	3805.3	4835.5	5538.5	5571.3
27.5°	2983.3	2984.8	2956.6	2955.1	2965.5	3172.1	3839.5	5015.3	6033.5	6094.5
30°	3537.8	3515.5	3407.0	3289.5	3236.0	3359.4	3934.7	5227.9	6617.7	6726.2
32.5°	4392.5	4359.8	4160.6	3879.7	3597.2	3661.1	4105.6	5470.2	7253.9	7450.1
35°	5320.0	5311.1	5103.0	4685.3	4191.8	4090.7	4383.6	5788.3	7948.1	8260.3
37.5°	6182.2	6177.7	6058.8	5566.8	4966.3	4689.8	4829.5	6204.5	8691.3	9143.2
40°	6970.0	6983.4	6864.5	6424.5	5819.5	5458.3	5436.0	6718.8	9517.8	10105.0
42.5°	7650.8	7665.7	7545.3	7219.7	6662.3	6308.5	6180.7	7349.1	10324.9	11138.0
45°	8113.1	8205.3	8187.4	7927.3	7527.4	7160.3	7075.5	8139.9	11245.1	12233.6
47.5°	8243.9	8328.6	8462.4	8498.1	8254.3	7893.1	7994.2	9092.7	12175.6	13330.6
50°	7921.3	8000.1	8278.1	8648.2	8817.7	8706.2	8887.5	10113.9	13128.4	14424.6
52.5°	7285.1	7365.4	7716.2	8301.9	8993.1	9343.9	9783.9	11120.2	14051.5	15460.7
55°	6365.0	6449.7	6900.1	7563.1	8658.6	9607.0	10531.6	12125.1	14897.3	16392.7
57.5°	5113.4	5175.9	5644.1	6571.6	7817.3	9345.4	11083.0	13222.1	15694.0	17308.3
60°	3332.6	3387.6	3931.7	4966.3	6423.0	8471.3	11193.0	14445.4	16752.4	18499.0
62.5°	2216.3	2253.5	2576.0	3335.6	4523.3	6793.1	10549.4	15422.0	18304.3	20571.1
65°	1520.6	1557.8	1880.4	2409.6	2922.4	4493.6	8698.8	15292.7	19710.5	22216.6
67.5°	1085.1	1116.3	1389.8	1889.3	2115.2	2610.2	5896.8	13639.8	19508.3	22279.1
70°	777.4	795.3	1021.2	1471.6	1681.2	1568.2	3279.1	10432.0	17080.9	20572.6
72.5°	544.0	550.0	709.0	1120.8	1354.2	1144.6	1560.8	6955.1	12918.8	16147.4
75°	368.6	376.1	477.2	822.0	1086.6	874.0	826.5	3729.5	7583.9	8938.1
77.5°	225.9	228.9	307.7	561.9	813.1	665.9	532.2	1580.1	2934.3	2880.8
80°	127.8	127.8	196.2	349.3	554.4	429.6	373.1	671.9	929.0	816.1
82.5°	71.4	72.8	142.7	217.0	367.2	254.2	205.1	310.7	401.3	355.3
85°	29.7	32.7	87.7	102.6	175.4	126.3	83.2	130.8	148.6	132.3
87.5°	3.0	4.5	26.8	19.3	20.8	25.3	11.9	25.3	20.8	20.8
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°
3420.3	0°	3420.3	3420.3	3420.3	3420.3	3420.3	3420.3	3420.3	3420.3	3420.3	3420.3
3470.9	2.5°	3442.6	3420.3	3363.9	3298.5	3212.2	3170.6	3114.1	3075.5	3042.8	3045.8
3557.1	5°	3509.5	3453.0	3326.7	3169.1	2972.9	2833.2	2684.5	2582.0	2498.7	2480.9
3676.0	7.5°	3601.7	3512.5	3291.0	3007.1	2675.6	2424.4	2200.0	2055.8	1953.2	1920.5
3820.2	10°	3720.6	3591.3	3244.9	2803.5	2326.3	2006.7	1765.9	1652.9	1583.1	1559.3
3989.7	12.5°	3858.8	3682.0	3184.0	2555.2	1966.6	1658.9	1505.8	1449.3	1427.0	1419.6
4197.8	15°	4032.8	3794.9	3091.8	2260.9	1661.9	1446.3	1380.9	1373.5	1376.5	1373.5
4447.5	17.5°	4239.4	3918.3	2941.7	1957.7	1456.7	1337.8	1314.0	1320.0	1327.4	1325.9
4726.9	20°	4465.3	4040.2	2750.0	1688.6	1317.0	1260.5	1247.1	1253.1	1259.0	1256.1
5049.5	22.5°	4722.5	4171.0	2537.4	1479.0	1223.4	1189.2	1174.3	1175.8	1175.8	1169.8
5458.3	25°	5030.2	4315.2	2314.4	1330.4	1152.0	1125.2	1107.4	1101.5	1092.5	1074.7
5954.8	27.5°	5397.3	4468.3	2100.4	1226.3	1095.5	1070.3	1049.4	1034.6	1012.3	982.5
6550.8	30°	5810.6	4654.1	1919.0	1160.9	1050.9	1025.7	1001.9	979.6	946.9	909.7
7236.1	32.5°	6296.6	4853.3	1786.7	1117.8	1010.8	984.0	955.8	929.0	893.4	856.2
8006.1	35°	6876.4	5094.1	1709.4	1088.1	979.6	943.9	912.7	883.0	856.2	823.5
8842.9	37.5°	7505.1	5349.8	1685.6	1073.2	958.8	903.8	868.1	847.3	844.3	825.0
9748.2	40°	8193.4	5653.0	1703.5	1064.3	936.5	865.1	826.5	822.0	829.4	795.3
10715.9	42.5°	8921.7	6012.7	1733.2	1053.9	905.3	826.5	789.3	789.3	783.4	735.8
11738.6	45°	9709.6	6427.5	1762.9	1028.6	868.1	787.8	759.6	749.2	723.9	677.8
12767.2	47.5°	10503.3	6849.6	1785.2	982.5	823.5	755.1	729.9	706.1	668.9	627.3
13776.5	50°	11257.0	7228.7	1761.5	914.2	773.0	723.9	697.1	664.4	624.3	596.1
14732.3	52.5°	11930.3	7557.2	1660.4	833.9	719.4	691.2	667.4	633.2	600.5	570.8
15594.4	55°	12516.0	7823.2	1482.0	758.1	671.9	663.0	639.2	596.1	551.5	526.2
16449.2	57.5°	13077.9	8025.4	1259.0	695.7	628.8	631.7	596.1	557.4	515.8	489.0
17601.2	60°	13825.6	8295.9	1033.1	637.7	582.7	591.6	553.0	524.7	472.7	438.5
19576.7	62.5°	15020.7	8716.6	820.5	566.3	529.2	532.2	515.8	481.6	419.2	379.0
21040.8	65°	15969.0	8562.0	646.6	489.0	468.2	472.7	472.7	435.5	368.6	322.6
21119.6	67.5°	15862.0	7331.2	515.8	413.2	410.3	413.2	423.6	392.4	327.0	289.9
19511.3	70°	14611.9	5831.4	413.2	343.4	356.8	349.3	379.0	358.2	294.3	257.2
15126.2	72.5°	11922.9	4200.7	315.1	283.9	273.5	285.4	341.9	322.6	245.3	203.6
8012.0	75°	6967.0	2241.6	234.9	224.5	197.7	237.8	303.2	275.0	187.3	150.1
2455.6	77.5°	2268.3	781.9	172.4	165.0	147.2	191.8	258.6	231.9	153.1	118.9
719.4	80°	608.0	236.3	117.4	108.5	95.1	142.7	205.1	184.3	110.0	77.3
309.2	82.5°	243.8	99.6	68.4	60.9	52.0	98.1	162.0	148.6	81.8	49.1
96.6	85°	78.8	32.7	25.3	19.3	23.8	60.9	96.6	101.1	58.0	25.3
14.9	87.5°	10.4	4.5	4.5	5.9	4.5	10.4	29.7	28.2	16.4	3.0
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°
3420.3
3016.0
2440.8
1887.8
1541.5
1415.1
1372.0
1322.9
1254.6
1166.9
1071.7
979.6
906.7
857.7
820.5
823.5
796.7
735.8
676.3
625.8
591.6
567.8
523.2
486.1
434.0
376.1
318.1
283.9
252.7
199.2
145.7
114.5
75.8
49.1
19.3
0.0
0.0

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