

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: P849627

Luminaire Tested: **GLAN-SB6D-730-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849627
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-SB6D-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 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: 46749 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

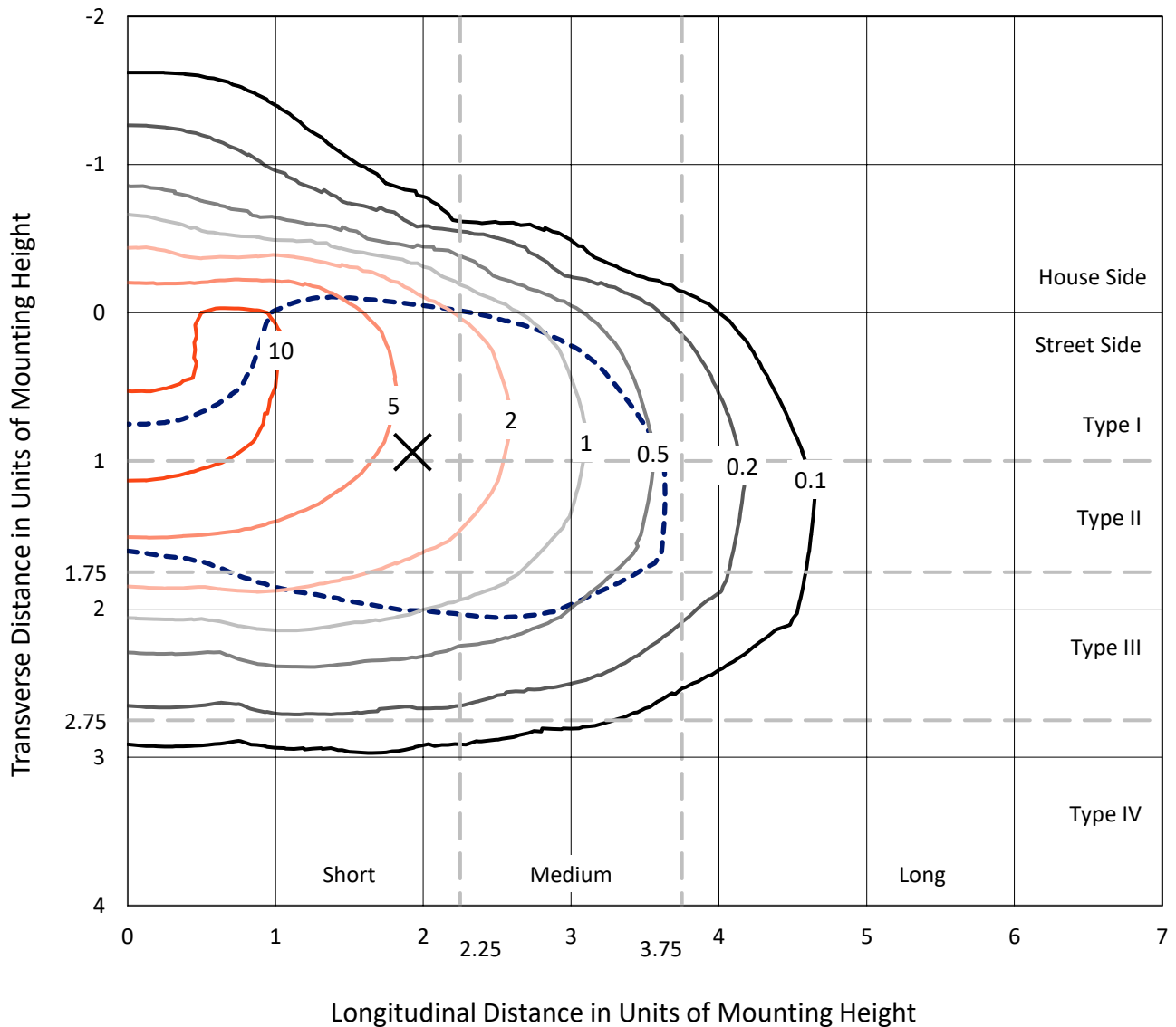
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

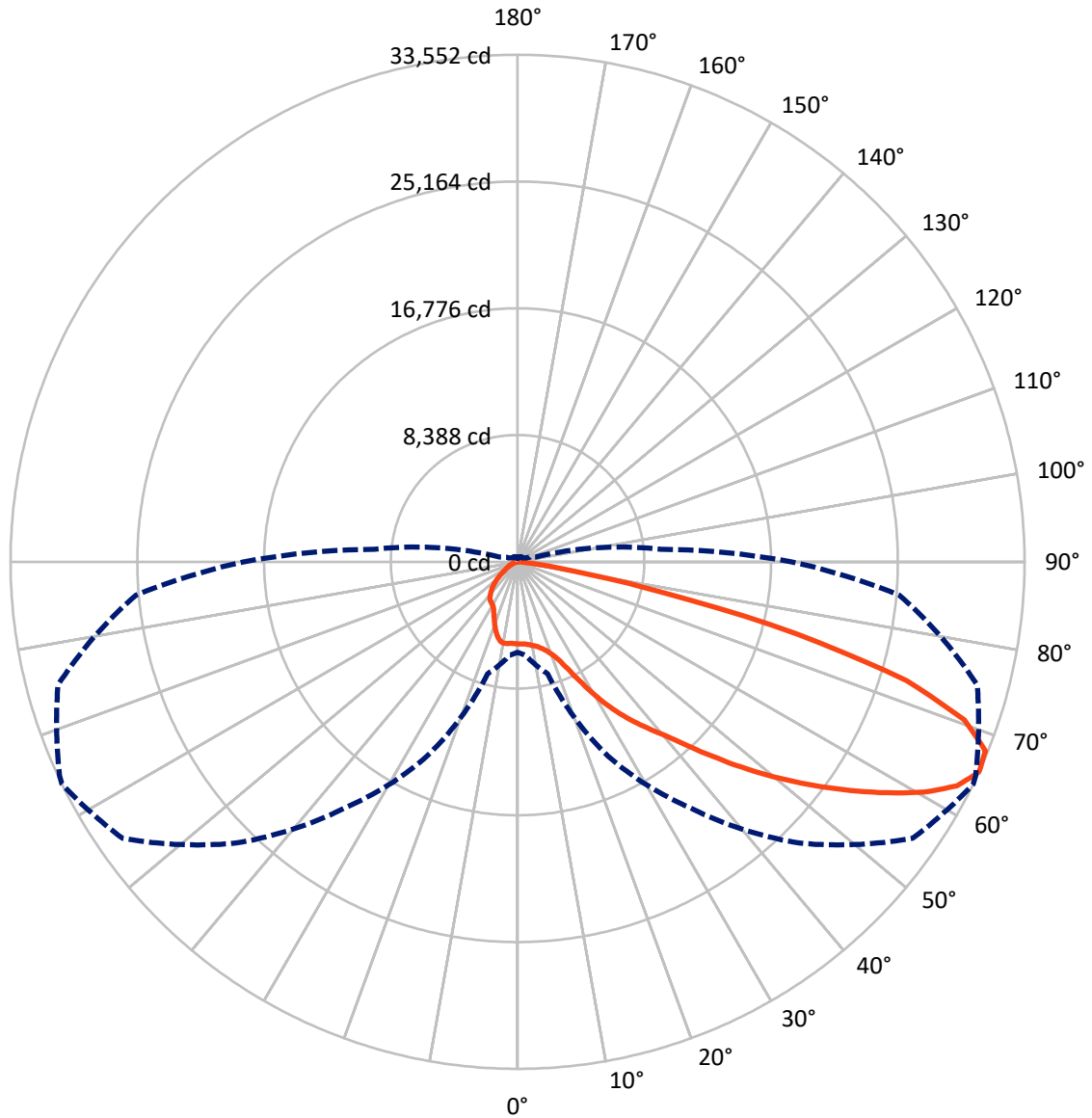
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.7 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
House Side	Lumens	6251.8	0.0	6251.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	40497.2	0.0	40497.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	46749.0	0.0	46749.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	501.7	1.1
10°-20°	1360.6	2.9
20°-30°	2578.3	5.5
30°-40°	5217.2	11.2
40°-50°	8887.6	19.0
50°-60°	12086.4	25.9
60°-70°	11349.8	24.3
70°-80°	4547.2	9.7
80°-90°	220.3	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°	46749.0	100.0
0°-180°	46749.0	100.0

Coefficient of Utilization



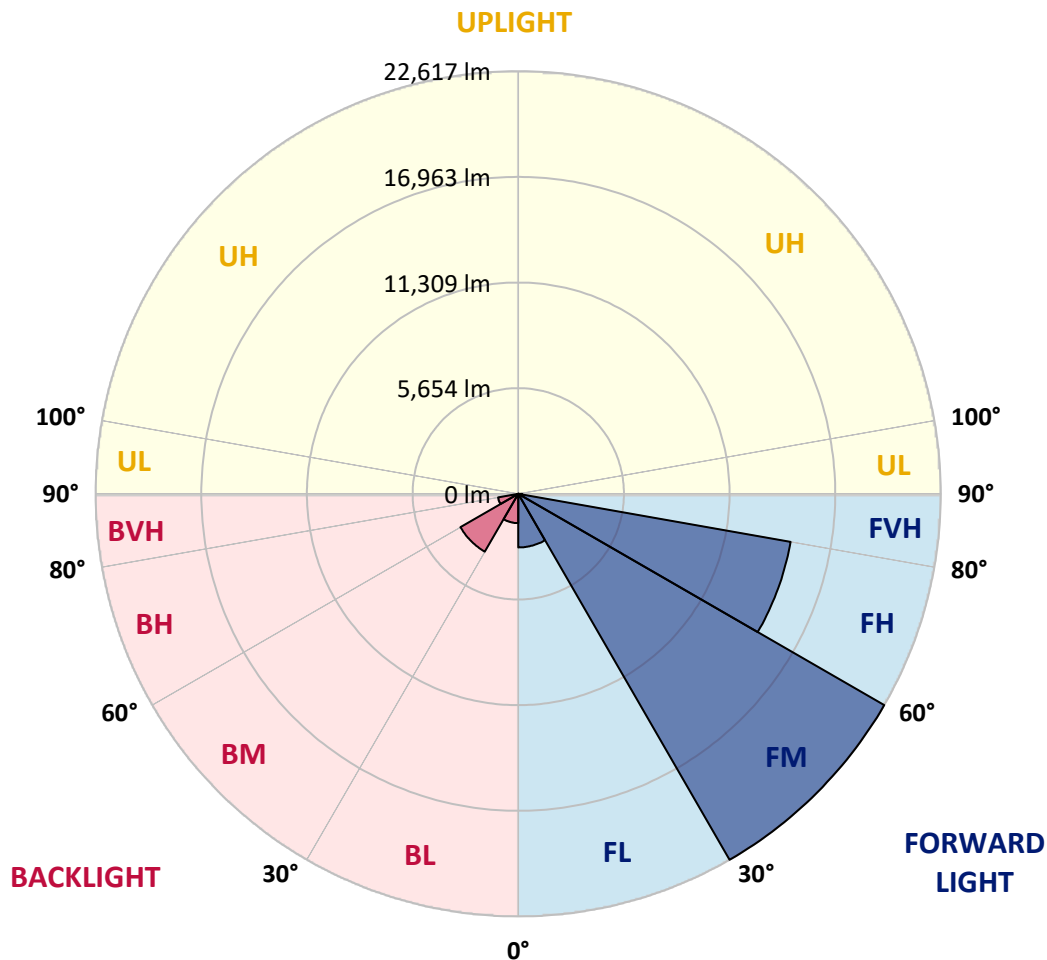
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2870.9	6.1			
FM (30°-60°)	22617.1	48.4			
FH (60°-80°)	14799.7	31.7			G5
FVH (80°-90°)	209.5	0.4			G2/225
BL (0°-30°)	1569.6	3.4	B3/2500		
BM (30°-60°)	3574.1	7.6	B3/5000		
BH (60°-80°)	1097.3	2.3	B3/2500		G3/2500
BVH (80°-90°)	10.8	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	5437.4	5437.4	5437.4	5437.4	5437.4	5437.4	5437.4	5437.4	5437.4	5437.4
2.5°	5418.6	5456.2	5446.8	5437.4	5434.3	5440.5	5443.7	5440.5	5440.5	5440.5
5°	5315.2	5346.5	5346.5	5368.4	5399.8	5437.4	5465.6	5471.9	5478.1	5487.5
7.5°	5117.7	5142.8	5161.6	5233.7	5312.0	5412.3	5496.9	5540.8	5547.1	5581.6
10°	4983.0	5014.3	5045.7	5120.9	5233.7	5384.1	5528.3	5634.8	5650.5	5732.0
12.5°	4976.7	5008.0	5048.8	5130.3	5261.9	5421.7	5597.2	5750.8	5779.0	5898.1
15°	5042.5	5080.1	5117.7	5218.0	5359.0	5553.4	5741.4	5932.6	5960.8	6130.0
17.5°	5177.3	5227.4	5255.6	5355.9	5506.3	5722.6	5970.2	6189.5	6214.6	6412.1
20°	5443.7	5503.2	5512.6	5594.1	5741.4	5973.3	6267.9	6540.5	6571.9	6797.5
22.5°	5995.2	6079.9	6004.6	6045.4	6177.0	6408.9	6728.6	7073.3	7117.2	7374.2
25°	6966.8	7085.8	6891.5	6822.6	6879.0	7120.3	7521.5	7957.1	8007.2	8214.1
27.5°	8875.3	8721.8	8427.2	8138.9	7969.6	8107.5	8558.8	9097.8	9160.5	9361.1
30°	10971.9	10837.2	10439.2	9799.8	9398.7	9376.8	9793.6	10395.3	10467.4	10658.5
32.5°	13071.7	12943.2	12510.7	11724.1	11028.4	10683.6	10971.9	11639.5	11677.1	11799.3
35°	15137.0	15005.3	14572.8	13767.4	12911.9	12128.4	12072.0	12824.1	12836.6	12965.1
37.5°	17214.8	17105.1	16644.4	15854.6	15011.6	13930.4	13407.0	13946.1	13961.7	14087.1
40°	18697.1	18744.1	18427.6	17816.5	17092.5	15911.0	14905.0	15140.1	15046.1	15256.0
42.5°	19969.5	20063.5	19787.7	19480.6	19060.7	18020.2	16760.3	16719.6	16569.2	16682.0
45°	21069.5	21147.9	20900.3	20828.2	20818.8	20088.6	18788.0	18543.6	18333.6	18311.6
47.5°	21473.8	21624.2	21730.8	21972.1	22442.2	22135.1	20884.6	20505.4	20270.4	20098.0
50°	21627.4	21787.2	22150.7	22852.7	23965.3	24096.9	22971.8	22545.6	22257.3	21943.9
52.5°	21420.5	21705.7	22194.6	23376.1	24990.1	25670.1	24974.4	24601.5	24272.4	23761.6
55°	20201.4	20486.6	21486.3	23369.8	25500.9	26773.3	26867.3	26701.2	26331.4	25526.0
57.5°	17631.6	18054.7	19637.3	22573.8	25491.5	27722.9	28722.6	28841.7	28428.0	27274.7
60°	14071.4	14644.9	16575.4	20809.4	24704.9	28236.8	30349.1	30944.6	30505.8	28998.4
62.5°	9818.6	10483.0	12310.1	18045.3	22906.0	27867.0	31536.9	32636.9	32304.7	30540.3
65°	5989.0	6202.1	7675.0	14199.9	19847.3	26318.9	31903.6	33552.0	33442.3	31483.6
67.5°	3989.5	4168.1	4591.2	9737.2	15406.5	23225.7	31026.1	33392.2	33423.5	31330.0
70°	2403.7	2557.3	2833.1	5663.0	9984.7	18383.7	28308.9	31355.1	31536.9	29277.3
72.5°	990.3	1093.7	1344.5	2566.7	5171.0	11667.7	22542.5	26920.6	27343.7	24617.1
75°	561.0	614.3	789.8	1288.1	2243.9	5437.4	13654.6	19110.8	19734.5	16967.2
77.5°	372.9	398.0	510.8	833.6	1263.0	1855.3	5835.4	9956.5	11147.4	9267.1
80°	250.7	272.7	351.0	557.8	821.1	796.0	1858.4	3688.7	4538.0	3184.1
82.5°	169.2	172.4	250.7	366.7	520.2	385.5	548.4	1147.0	1441.6	921.4
85°	97.2	94.0	184.9	213.1	231.9	159.8	166.1	344.7	451.3	388.6
87.5°	12.5	18.8	72.1	56.4	31.3	34.5	34.5	59.5	87.8	94.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5437.4	0°	5437.4	5437.4	5437.4	5437.4	5437.4	5437.4	5437.4	5437.4	5437.4	5437.4
5443.7	2.5°	5443.7	5440.5	5431.1	5421.7	5399.8	5387.3	5393.5	5387.3	5384.1	5387.3
5484.4	5°	5484.4	5475.0	5449.9	5418.6	5374.7	5321.4	5287.0	5236.8	5189.8	5161.6
5594.1	7.5°	5594.1	5584.7	5550.2	5462.5	5321.4	5098.9	4895.2	4716.6	4581.8	4503.5
5769.6	10°	5769.6	5753.9	5700.6	5506.3	5136.5	4650.8	4246.5	3911.2	3691.8	3588.4
5976.4	12.5°	5976.4	5957.6	5863.6	5465.6	4785.5	4027.1	3469.3	3096.3	2892.6	2801.7
6214.6	15°	6220.9	6195.8	6010.9	5271.3	4274.7	3337.7	2826.8	2547.9	2416.3	2334.8
6518.6	17.5°	6524.9	6481.0	6120.6	4979.8	3720.0	2811.1	2431.9	2222.0	2106.0	2027.7
6916.6	20°	6919.8	6847.7	6208.3	4632.0	3209.2	2479.0	2165.6	1990.1	1902.3	1833.4
7480.7	22.5°	7471.3	7367.9	6314.9	4255.9	2848.8	2250.2	1968.1	1839.6	1767.5	1689.2
8267.3	25°	8154.5	8032.3	6446.5	3908.0	2601.2	2052.7	1824.0	1717.4	1632.8	1541.9
9298.4	27.5°	9110.4	8891.0	6603.2	3622.8	2388.1	1883.5	1692.3	1573.2	1476.1	1400.9
10467.4	30°	10175.9	9815.5	6741.1	3450.5	2193.8	1726.8	1520.0	1400.9	1310.0	1256.7
11517.2	32.5°	11185.0	10696.2	6832.0	3375.3	2018.3	1548.2	1331.9	1203.4	1134.5	1118.8
12545.2	35°	12137.8	11492.2	6822.6	3303.2	1861.6	1369.5	1147.0	1015.4	962.1	971.5
13651.5	37.5°	13234.6	12341.5	6756.8	3190.4	1733.1	1206.6	987.2	871.2	824.2	827.4
14995.9	40°	14510.2	13322.4	6716.0	2977.2	1592.0	1056.1	855.6	761.5	727.1	714.5
16412.5	42.5°	15870.3	14272.0	6722.3	2735.9	1416.5	921.4	764.7	686.3	655.0	645.6
17988.8	45°	17236.7	15177.7	6731.7	2485.2	1231.6	818.0	698.9	633.1	614.3	601.7
19587.2	47.5°	18521.6	15948.6	6556.2	2215.7	1049.9	739.6	645.6	601.7	586.0	570.4
21191.7	50°	19718.8	16462.6	6133.1	1902.3	905.7	676.9	604.9	573.5	557.8	542.2
22645.9	52.5°	20649.6	16544.1	5434.3	1579.5	805.4	629.9	579.8	551.6	532.8	517.1
23821.1	55°	21063.2	16033.3	4440.8	1278.6	727.1	589.2	554.7	526.5	504.6	488.9
24745.6	57.5°	20956.7	14958.3	3463.0	1027.9	651.9	548.4	523.4	504.6	479.5	454.4
25494.6	60°	20433.3	13519.8	2610.6	855.6	582.9	504.6	488.9	473.2	438.8	401.1
25783.0	62.5°	19527.6	11711.6	1861.6	708.3	507.7	454.4	448.2	435.6	385.5	316.5
25356.7	65°	18142.4	9514.7	1253.6	589.2	435.6	398.0	401.1	379.2	313.4	235.0
23796.0	67.5°	16117.9	6957.4	802.3	482.6	363.5	332.2	335.3	322.8	266.4	200.6
20837.6	70°	13538.6	4606.9	523.4	366.7	291.5	257.0	275.8	278.9	225.6	163.0
15992.5	72.5°	9925.2	2720.3	366.7	272.7	213.1	178.6	225.6	231.9	181.8	122.2
9621.2	75°	5656.8	1291.2	275.8	197.4	131.6	125.4	175.5	175.5	125.4	81.5
4165.0	77.5°	2375.5	539.0	194.3	128.5	75.2	72.1	119.1	109.7	62.7	37.6
1015.4	80°	686.3	241.3	103.4	62.7	31.3	28.2	47.0	34.5	15.7	6.3
385.5	82.5°	269.5	106.6	40.7	25.1	12.5	12.5	6.3	0.0	0.0	0.0
219.4	85°	159.8	43.9	18.8	9.4	3.1	0.0	0.0	0.0	0.0	0.0
47.0	87.5°	40.7	9.4	6.3	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°
5437.4
5399.8
5167.9
4506.6
3579.0
2792.3
2337.9
2021.4
1820.8
1676.7
1532.5
1385.2
1247.3
1128.2
971.5
839.9
711.4
642.5
601.7
570.4
542.2
514.0
485.8
451.3
394.9
310.3
228.8
191.2
156.7
116.0
75.2
37.6
6.3
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