

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: P848785

Luminaire Tested: **GLAN-SB5C-735-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848785
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-SB5C-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3500K, 615mA 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: 27109 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

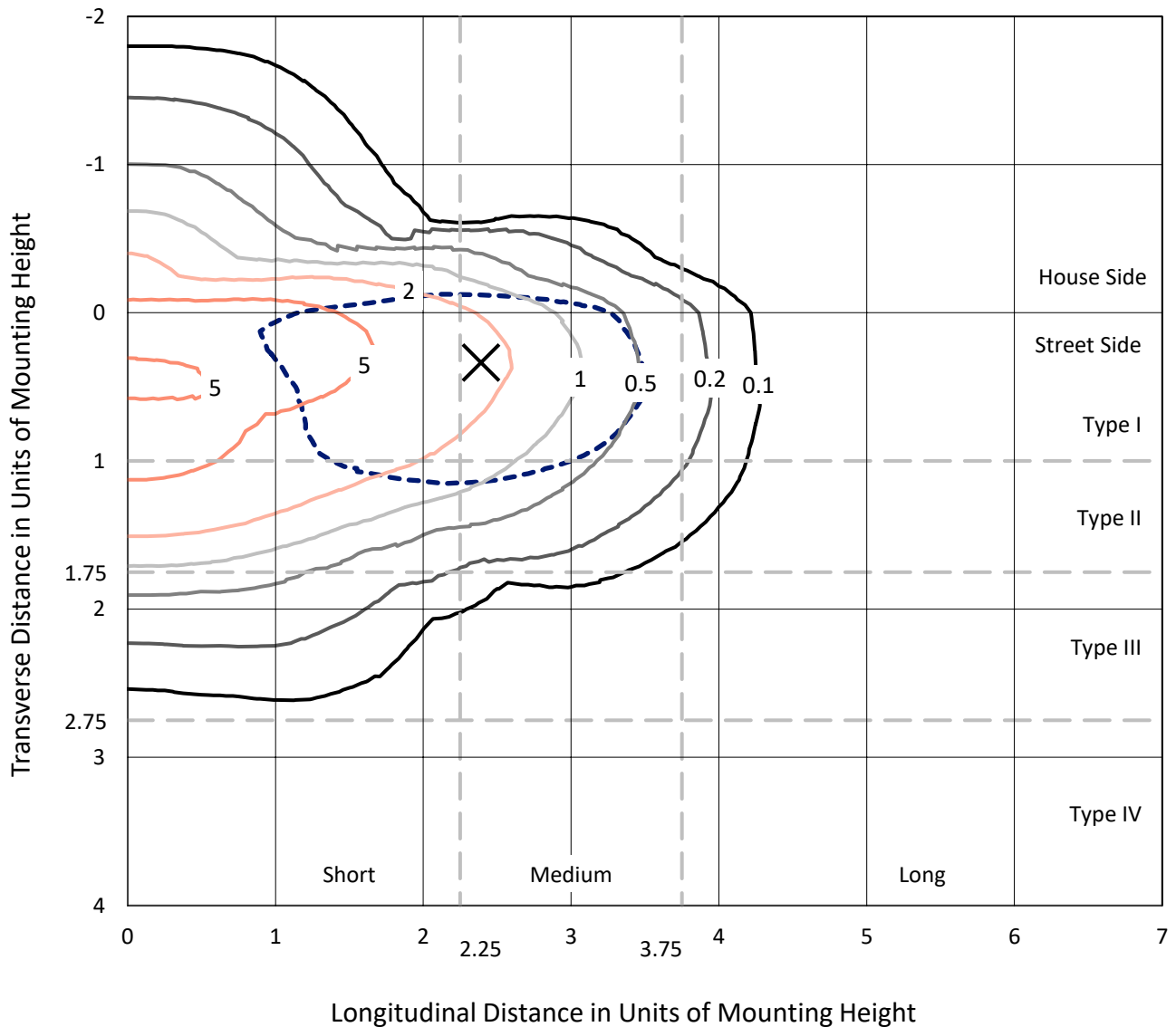
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

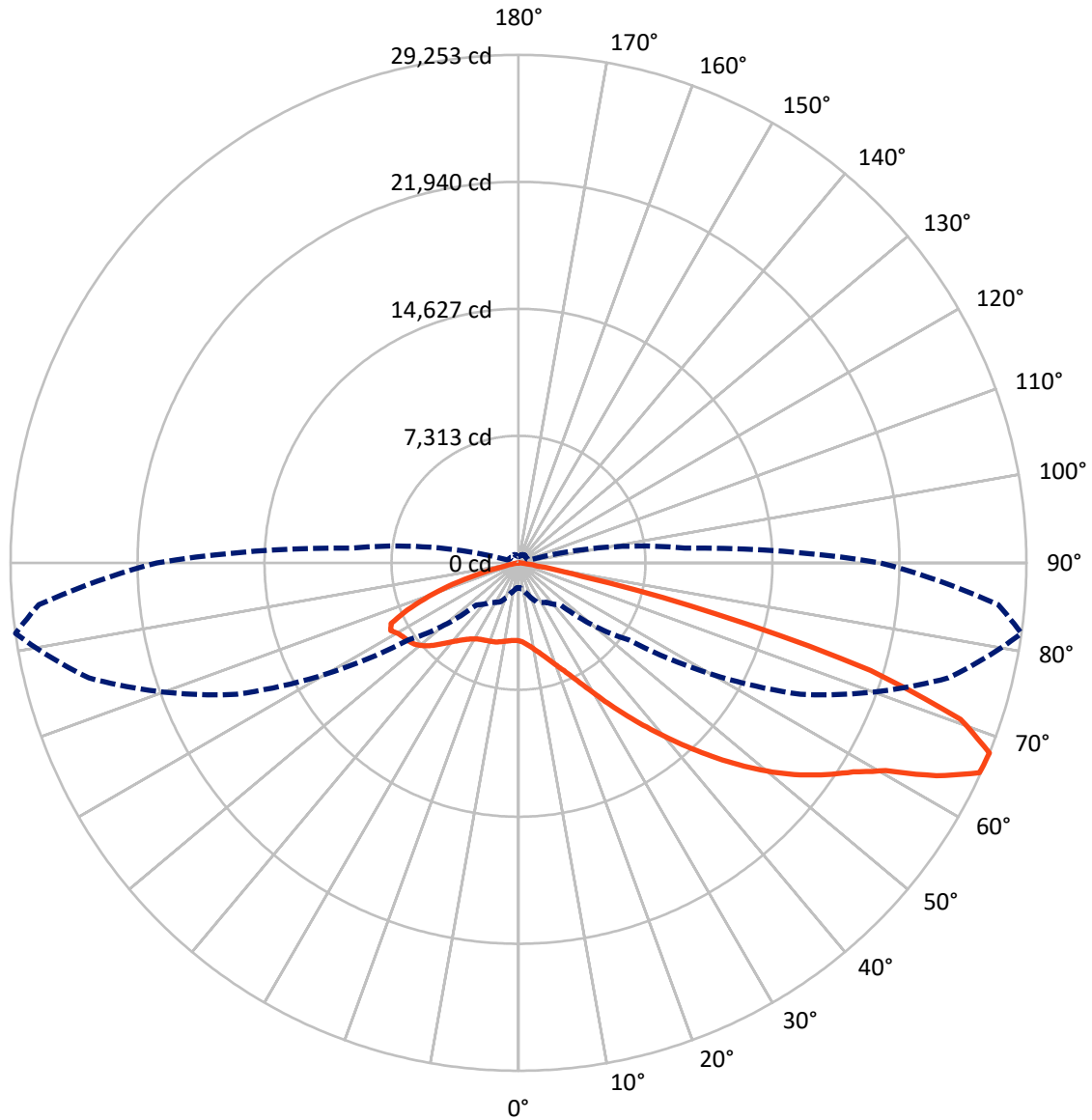
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc
 Type II - Medium - N/A

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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	4910.6	0.0	4910.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	22198.4	0.0	22198.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	27109.0	0.0	27109.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.1	1.5
10°-20°	1039.7	3.8
20°-30°	1665.3	6.1
30°-40°	2944.8	10.9
40°-50°	5159.6	19.0
50°-60°	6881.5	25.4
60°-70°	6406.3	23.6
70°-80°	2458.7	9.1
80°-90°	152.7	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°	27109.0	100.0
0°-180°	27109.0	100.0

Coefficient of Utilization



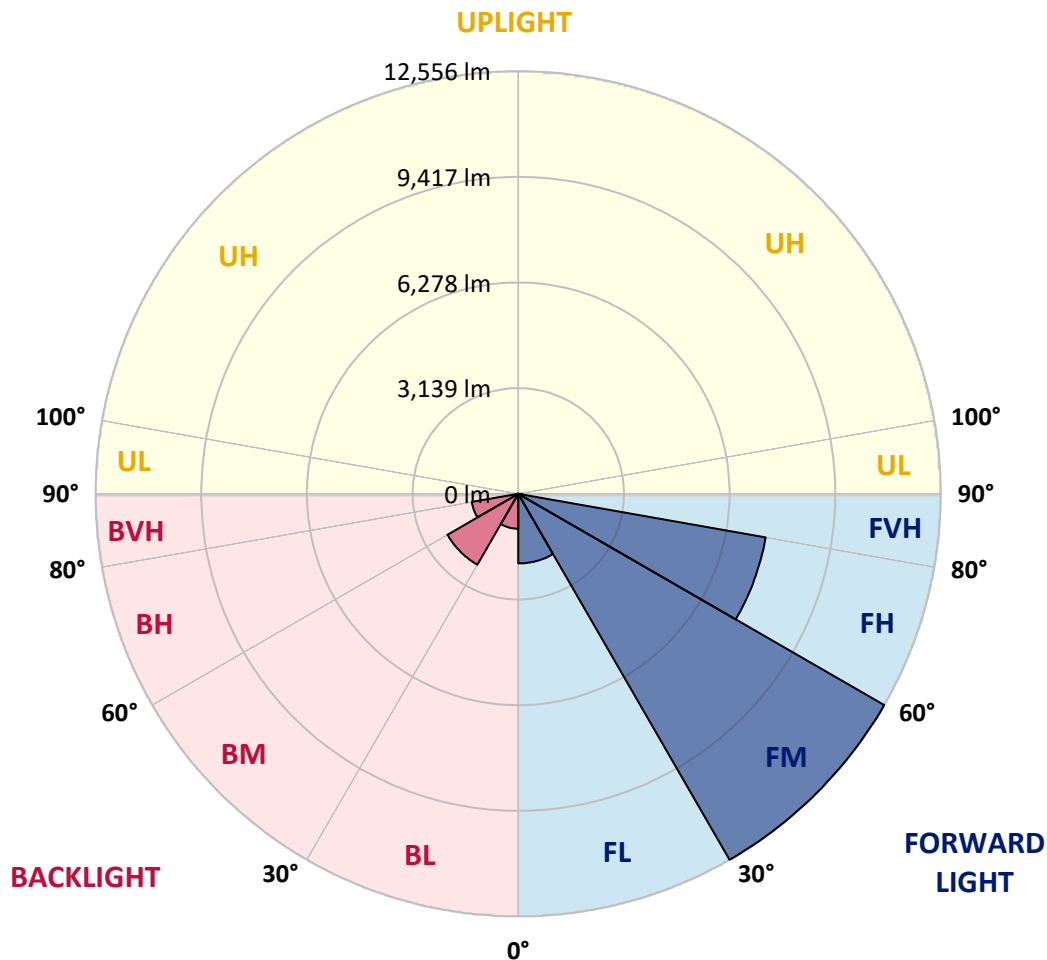
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2068.1	7.6			
FM (30°-60°)	12555.8	46.3			
FH (60°-80°)	7463.5	27.5			G3/7500
FVH (80°-90°)	111.0	0.4			G2/225
BL (0°-30°)	1037.1	3.8	B3/2500		
BM (30°-60°)	2430.2	9.0	B2/2500		
BH (60°-80°)	1401.6	5.2	B3/2500		G3/2500
BVH (80°-90°)	41.7	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°	4491.0	4491.0	4491.0	4491.0	4491.0	4491.0	4491.0	4491.0	4491.0	4491.0
2.5°	4746.7	4774.1	4758.4	4750.6	4737.0	4717.5	4701.8	4653.0	4602.3	4569.1
5°	4842.4	4869.7	4867.7	4875.5	4885.3	4891.2	4887.3	4832.6	4760.4	4703.8
7.5°	4760.4	4791.6	4817.0	4856.0	4924.3	4996.6	5031.7	5020.0	4945.8	4867.7
10°	4528.1	4561.3	4621.8	4713.5	4858.0	5014.1	5144.9	5205.4	5158.6	5072.7
12.5°	4102.6	4135.8	4254.9	4454.0	4696.0	4967.3	5217.1	5379.1	5390.8	5304.9
15°	3624.5	3657.6	3784.5	4034.3	4403.2	4838.5	5256.1	5562.6	5666.0	5591.8
17.5°	3327.8	3357.1	3452.7	3653.7	4038.2	4580.8	5242.5	5757.7	5993.9	5935.4
20°	3238.0	3263.4	3308.3	3448.8	3768.9	4313.4	5152.7	5941.2	6347.2	6314.0
22.5°	3333.6	3357.1	3370.7	3433.2	3634.2	4137.8	5039.5	6128.6	6757.1	6761.0
25°	3554.2	3577.6	3562.0	3601.0	3688.9	4083.1	4996.6	6349.1	7272.3	7315.3
27.5°	3917.2	3919.2	3882.1	3880.1	3893.8	4165.1	5041.4	6585.3	7922.3	8002.3
30°	4645.2	4616.0	4473.5	4319.3	4249.0	4411.0	5166.4	6864.4	8689.3	8831.8
32.5°	5767.5	5724.6	5463.0	5094.1	4723.3	4807.2	5390.8	7182.5	9524.7	9782.3
35°	6985.4	6973.7	6700.5	6152.0	5504.0	5371.3	5755.8	7600.2	10436.2	10846.0
37.5°	8117.4	8111.6	7955.5	7309.4	6520.9	6157.9	6341.3	8146.7	11412.1	12005.4
40°	9151.9	9169.5	9013.3	8435.6	7641.2	7166.9	7137.7	8822.0	12497.2	13268.2
42.5°	10045.8	10065.3	9907.2	9479.8	8747.9	8283.4	8115.5	9649.6	13557.1	14624.7
45°	10652.8	10773.8	10750.4	10408.8	9883.8	9401.7	9290.5	10687.9	14765.2	16063.1
47.5°	10824.6	10935.8	11111.5	11158.3	10838.2	10363.9	10496.7	11939.0	15987.0	17503.6
50°	10401.0	10504.5	10869.5	11355.5	11578.0	11431.6	11669.7	13279.9	17238.1	18940.1
52.5°	9565.7	9671.1	10131.7	10900.7	11808.3	12268.9	12846.6	14601.3	18450.2	20300.5
55°	8357.5	8468.8	9060.2	9930.7	11369.1	12614.3	13828.4	15920.7	19560.7	21524.2
57.5°	6714.1	6796.1	7410.9	8628.8	10264.4	12270.8	14552.5	17361.1	20606.9	22726.5
60°	4375.9	4448.1	5162.5	6520.9	8433.6	11123.2	14696.9	18967.4	21996.6	24289.9
62.5°	2910.1	2958.9	3382.4	4379.8	5939.3	8919.6	13851.8	20249.7	24034.2	27010.7
65°	1996.7	2045.5	2469.0	3163.8	3837.2	5900.2	11421.8	20079.9	25880.6	29171.3
67.5°	1424.8	1465.8	1824.9	2480.7	2777.4	3427.3	7742.7	17909.5	25615.1	29253.3
70°	1020.8	1044.2	1340.9	1932.3	2207.5	2059.1	4305.6	13697.6	22427.9	27012.6
72.5°	714.4	722.2	931.0	1471.6	1778.1	1502.9	2049.4	9132.4	16962.9	21202.2
75°	484.0	493.8	626.5	1079.3	1426.8	1147.6	1085.2	4897.0	9958.0	11736.0
77.5°	296.7	300.6	404.0	737.8	1067.6	874.4	698.7	2074.7	3852.8	3782.5
80°	167.9	167.9	257.6	458.7	728.0	564.1	489.9	882.2	1219.9	1071.5
82.5°	93.7	95.6	187.4	285.0	482.1	333.8	269.3	407.9	527.0	466.5
85°	39.0	42.9	115.2	134.7	230.3	165.9	109.3	171.8	195.2	173.7
87.5°	3.9	5.9	35.1	25.4	27.3	33.2	15.6	33.2	27.3	27.3
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°
4491.0	0°	4491.0	4491.0	4491.0	4491.0	4491.0	4491.0	4491.0	4491.0	4491.0	4491.0
4557.4	2.5°	4520.3	4491.0	4416.9	4331.0	4217.8	4163.1	4089.0	4038.2	3995.3	3999.2
4670.6	5°	4608.2	4534.0	4368.1	4161.2	3903.6	3720.1	3524.9	3390.2	3280.9	3257.5
4826.7	7.5°	4729.2	4612.1	4321.2	3948.4	3513.2	3183.4	2888.6	2699.3	2564.6	2521.7
5016.1	10°	4885.3	4715.5	4260.7	3681.1	3054.5	2634.9	2318.7	2170.4	2078.6	2047.4
5238.6	12.5°	5066.8	4834.6	4180.7	3355.1	2582.2	2178.2	1977.2	1903.0	1873.7	1863.9
5511.8	15°	5295.2	4982.9	4059.7	2968.7	2182.1	1899.1	1813.2	1803.4	1807.3	1803.4
5839.7	17.5°	5566.5	5144.9	3862.6	2570.5	1912.7	1756.6	1725.4	1733.2	1742.9	1741.0
6206.7	20°	5863.1	5304.9	3610.8	2217.2	1729.3	1655.1	1637.5	1645.3	1653.2	1649.3
6630.2	22.5°	6200.8	5476.7	3331.7	1942.0	1606.3	1561.4	1541.9	1543.9	1543.9	1536.1
7166.9	25°	6604.8	5666.0	3038.9	1746.8	1512.6	1477.5	1454.1	1446.3	1434.6	1411.1
7818.8	27.5°	7086.9	5867.0	2757.9	1610.2	1438.5	1405.3	1378.0	1358.4	1329.2	1290.1
8601.5	30°	7629.5	6111.0	2519.7	1524.3	1379.9	1346.7	1315.5	1286.2	1243.3	1194.5
9501.3	32.5°	8267.7	6372.6	2346.0	1467.7	1327.2	1292.1	1255.0	1219.9	1173.0	1124.2
10512.3	35°	9028.9	6688.7	2244.5	1428.7	1286.2	1239.4	1198.4	1159.4	1124.2	1081.3
11611.1	37.5°	9854.5	7024.5	2213.3	1409.2	1258.9	1186.7	1139.8	1112.5	1108.6	1083.2
12799.8	40°	10758.2	7422.6	2236.7	1397.5	1229.6	1135.9	1085.2	1079.3	1089.1	1044.2
14070.4	42.5°	11714.6	7894.9	2275.8	1383.8	1188.6	1085.2	1036.4	1036.4	1028.6	966.1
15413.2	45°	12749.0	8439.5	2314.8	1350.6	1139.8	1034.4	997.4	983.7	950.5	890.0
16763.8	47.5°	13791.3	8993.8	2344.1	1290.1	1081.3	991.5	958.3	927.1	878.3	823.7
18089.1	50°	14780.8	9491.5	2312.9	1200.3	1014.9	950.5	915.4	872.4	819.7	782.7
19344.1	52.5°	15665.0	9922.8	2180.1	1094.9	944.7	907.6	876.3	831.5	788.5	749.5
20476.1	55°	16434.0	10272.2	1945.9	995.4	882.2	870.5	839.3	782.7	724.1	690.9
21598.4	57.5°	17171.8	10537.7	1653.2	913.4	825.6	829.5	782.7	731.9	677.3	642.1
23111.0	60°	18153.5	10892.9	1356.5	837.3	765.1	776.8	726.1	689.0	620.7	575.8
25704.9	62.5°	19722.7	11445.2	1077.4	743.6	694.8	698.7	677.3	632.4	550.4	497.7
27627.4	65°	20968.0	11242.2	849.0	642.1	614.8	620.7	620.7	571.9	484.0	423.5
27730.9	67.5°	20827.4	9626.2	677.3	542.6	538.7	542.6	556.3	515.3	429.4	380.6
25619.1	70°	19186.0	7656.8	542.6	450.9	468.4	458.7	497.7	470.4	386.5	337.7
19861.3	72.5°	15655.2	5515.7	413.8	372.8	359.1	374.7	448.9	423.5	322.0	267.4
10520.1	75°	9148.0	2943.3	308.4	294.7	259.6	312.3	398.2	361.1	245.9	197.1
3224.3	77.5°	2978.4	1026.6	226.4	216.6	193.2	251.8	339.6	304.5	201.0	156.1
944.7	80°	798.3	310.3	154.2	142.5	124.9	187.4	269.3	242.0	144.4	101.5
406.0	82.5°	320.1	130.8	89.8	80.0	68.3	128.8	212.7	195.2	107.3	64.4
126.9	85°	103.4	42.9	33.2	25.4	31.2	80.0	126.9	132.7	76.1	33.2
19.5	87.5°	13.7	5.9	5.9	7.8	5.9	13.7	39.0	37.1	21.5	3.9
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°
4491.0
3960.2
3204.8
2478.8
2024.0
1858.1
1801.5
1737.1
1647.3
1532.1
1407.2
1286.2
1190.6
1126.2
1077.4
1081.3
1046.2
966.1
888.1
821.7
776.8
745.6
687.0
638.2
569.9
493.8
417.7
372.8
331.8
261.5
191.3
150.3
99.5
64.4
25.4
0.0
0.0

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