

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: P849695

Luminaire Tested: **GLAN-SB6D-835-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849695
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-SB6D-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 900mA 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: 37309 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

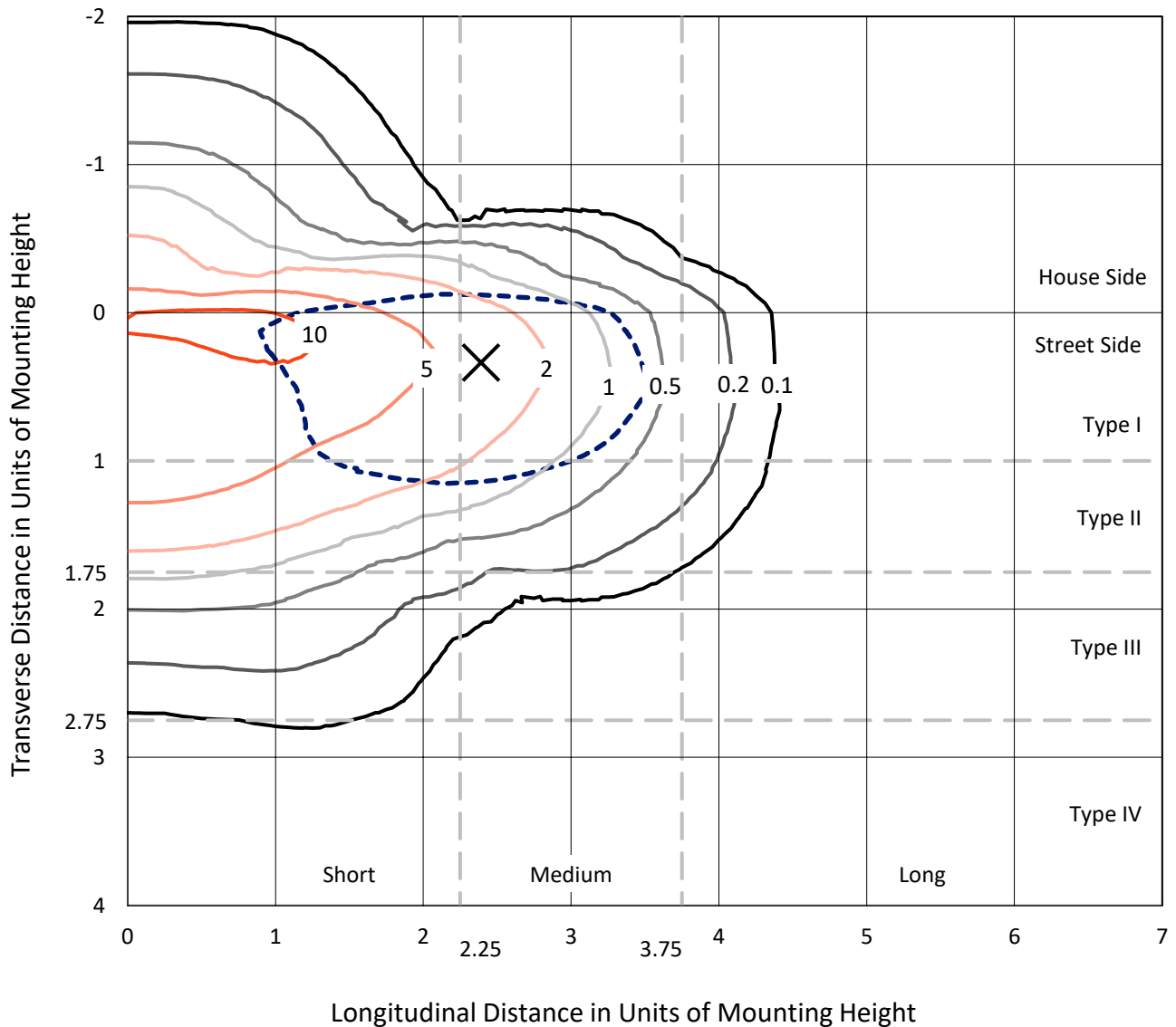
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

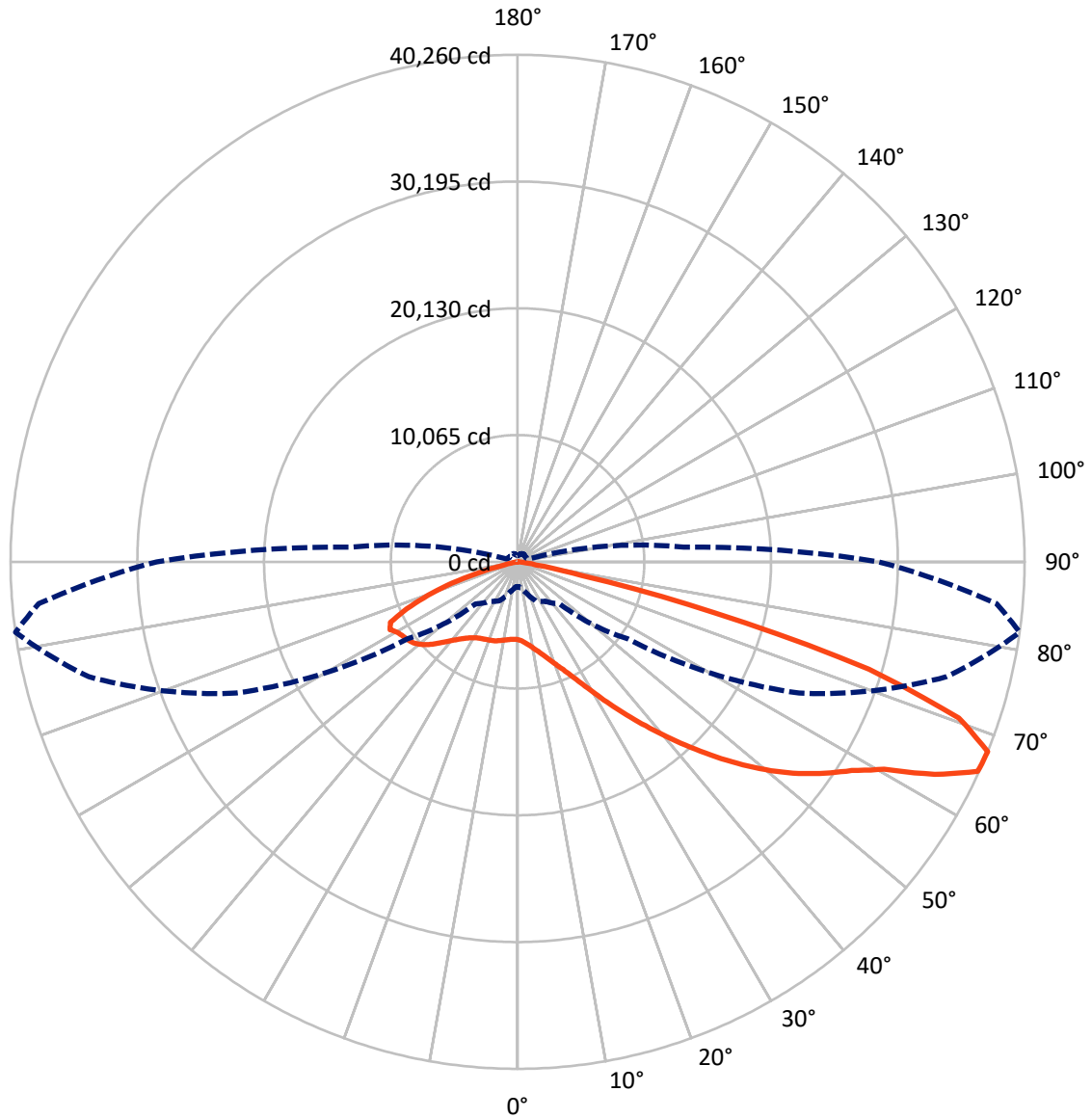
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.1 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	6758.2	0.0	6758.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	30550.8	0.0	30550.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	37309.0	0.0	37309.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	550.7	1.5
10°-20°	1431.0	3.8
20°-30°	2291.9	6.1
30°-40°	4052.9	10.9
40°-50°	7101.0	19.0
50°-60°	9470.7	25.4
60°-70°	8816.8	23.6
70°-80°	3383.9	9.1
80°-90°	210.2	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°	37309.0	100.0
0°-180°	37309.0	100.0

Coefficient of Utilization

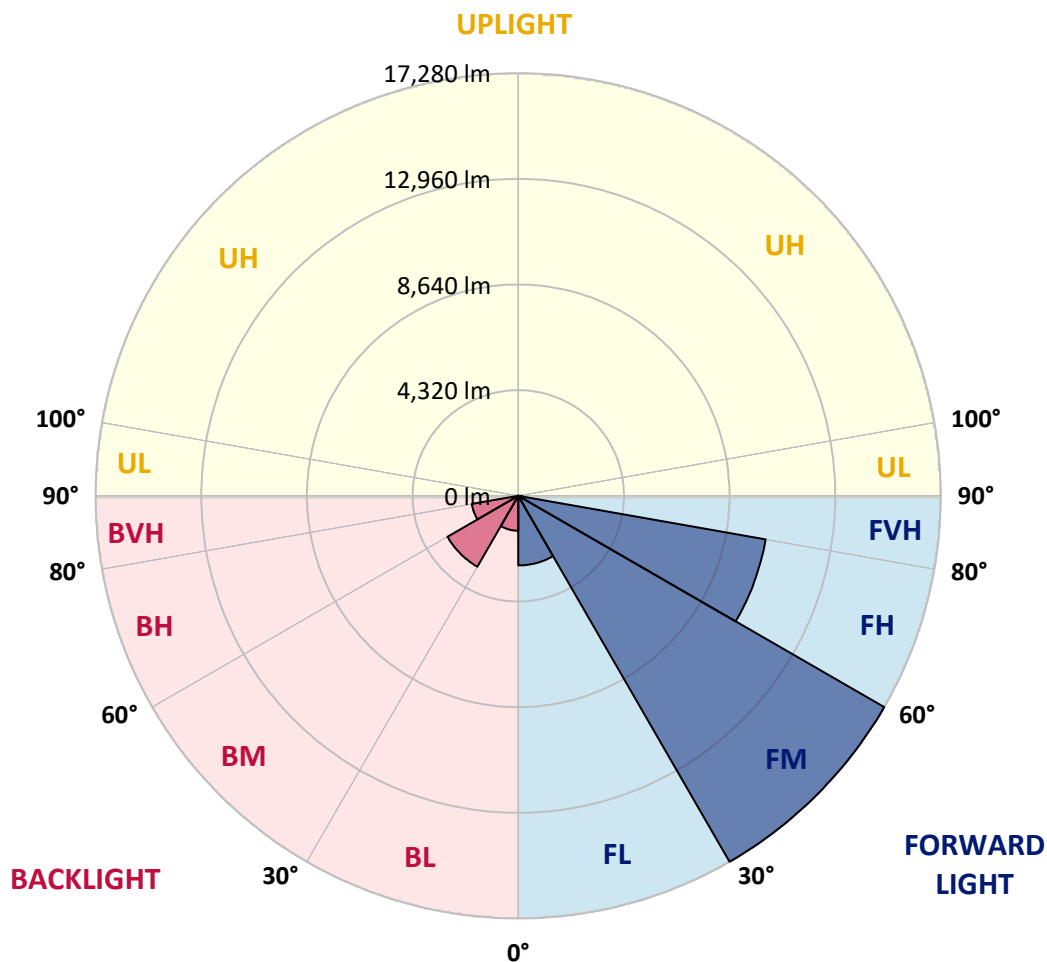


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2846.3	7.6			
FM (30°-60°)	17280.0	46.3			
FH (60°-80°)	10271.7	27.5			G4/12000
FVH (80°-90°)	152.8	0.4			G2/225
BL (0°-30°)	1427.3	3.8	B3/2500		
BM (30°-60°)	3344.6	9.0	B3/5000		
BH (60°-80°)	1928.9	5.2	B3/2500		G3/2500
BVH (80°-90°)	57.4	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-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	6180.8	6180.8	6180.8	6180.8	6180.8	6180.8	6180.8	6180.8	6180.8	6180.8
2.5°	6532.7	6570.3	6548.8	6538.1	6519.3	6492.4	6470.9	6403.8	6333.9	6288.3
5°	6664.3	6702.0	6699.3	6710.0	6723.4	6731.5	6726.1	6650.9	6551.5	6473.6
7.5°	6551.5	6594.5	6629.4	6683.1	6777.2	6876.6	6924.9	6908.8	6806.7	6699.3
10°	6231.9	6277.5	6360.8	6487.1	6685.8	6900.7	7080.7	7164.0	7099.5	6981.3
12.5°	5646.3	5692.0	5855.8	6129.8	6462.9	6836.3	7180.1	7403.0	7419.2	7301.0
15°	4988.2	5033.9	5208.5	5552.3	6060.0	6659.0	7233.8	7655.5	7797.9	7695.8
17.5°	4579.9	4620.2	4751.8	5028.5	5557.7	6304.4	7215.0	7924.2	8249.2	8168.6
20°	4456.3	4491.2	4553.0	4746.4	5187.0	5936.4	7091.4	8176.7	8735.4	8689.7
22.5°	4587.9	4620.2	4639.0	4724.9	5001.6	5694.6	6935.6	8434.5	9299.5	9304.8
25°	4891.5	4923.7	4902.2	4956.0	5076.8	5619.4	6876.6	8738.1	10008.6	10067.7
27.5°	5391.1	5393.8	5342.8	5340.1	5358.9	5732.3	6938.3	9063.1	10903.1	11013.2
30°	6393.0	6352.8	6156.7	5944.5	5847.8	6070.7	7110.2	9447.2	11958.8	12154.8
32.5°	7937.6	7878.5	7518.5	7010.9	6500.5	6616.0	7419.2	9885.0	13108.4	13463.0
35°	9613.7	9597.6	9221.6	8466.8	7575.0	7392.3	7921.5	10459.9	14362.9	14927.0
37.5°	11171.7	11163.7	10948.8	10059.6	8974.4	8474.8	8727.3	11212.0	15705.9	16522.5
40°	12595.4	12619.5	12404.7	11609.6	10516.3	9863.6	9823.3	12141.4	17199.4	18260.5
42.5°	13825.6	13852.5	13634.9	13046.6	12039.3	11400.0	11169.0	13280.3	18658.0	20127.3
45°	14661.0	14827.6	14795.3	14325.3	13602.7	12939.2	12786.1	14709.4	20320.7	22107.0
47.5°	14897.4	15050.5	15292.3	15356.7	14916.2	14263.5	14446.1	16431.2	22002.3	24089.4
50°	14314.5	14456.9	14959.2	15628.0	15934.3	15732.8	16060.5	18276.6	23724.1	26066.4
52.5°	13164.8	13309.9	13943.8	15002.2	16251.2	16885.2	17680.3	20095.1	25392.2	27938.7
55°	11502.1	11655.2	12469.1	13667.1	15646.8	17360.6	19031.4	21911.0	26920.6	29622.9
57.5°	9240.4	9353.2	10199.3	11875.5	14126.5	16887.8	20028.0	23893.3	28360.4	31277.6
60°	6022.4	6121.7	7104.9	8974.4	11606.9	15308.4	20226.7	26104.0	30272.9	33429.2
62.5°	4005.1	4072.2	4655.1	6027.7	8174.0	12275.7	19063.6	27868.8	33077.3	37173.7
65°	2747.9	2815.1	3398.0	4354.3	5281.0	8120.2	15719.4	27635.1	35618.4	40147.2
67.5°	1960.9	2017.3	2511.6	3414.1	3822.4	4716.9	10656.0	24648.1	35253.1	40260.1
70°	1404.9	1437.1	1845.4	2659.3	3038.0	2833.9	5925.7	18851.4	30866.6	37176.4
72.5°	983.1	993.9	1281.3	2025.4	2447.1	2068.3	2820.5	12568.5	23345.4	29179.7
75°	666.2	679.6	862.3	1485.4	1963.6	1579.5	1493.5	6739.6	13704.8	16151.8
77.5°	408.3	413.7	556.0	1015.4	1469.3	1203.4	961.6	2855.4	5302.5	5205.8
80°	231.0	231.0	354.6	631.2	1001.9	776.3	674.2	1214.1	1678.8	1474.7
82.5°	128.9	131.6	257.9	392.2	663.5	459.3	370.7	561.4	725.3	642.0
85°	53.7	59.1	158.5	185.3	317.0	228.3	150.4	236.4	268.6	239.1
87.5°	5.4	8.1	48.4	34.9	37.6	45.7	21.5	45.7	37.6	37.6
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°
6180.8	0°	6180.8	6180.8	6180.8	6180.8	6180.8	6180.8	6180.8	6180.8	6180.8	6180.8
6272.2	2.5°	6221.1	6180.8	6078.8	5960.6	5804.8	5729.6	5627.5	5557.7	5498.6	5503.9
6428.0	5°	6342.0	6239.9	6011.6	5726.9	5372.3	5119.8	4851.2	4665.8	4515.4	4483.2
6642.9	7.5°	6508.5	6347.4	5947.1	5434.1	4835.1	4381.1	3975.5	3714.9	3529.6	3470.5
6903.4	10°	6723.4	6489.7	5863.9	5066.1	4203.8	3626.3	3191.2	2987.0	2860.8	2817.8
7209.6	12.5°	6973.3	6653.6	5753.7	4617.5	3553.8	2997.7	2721.1	2619.0	2578.7	2565.3
7585.7	15°	7287.5	6857.7	5587.2	4085.6	3003.1	2613.6	2495.4	2482.0	2487.4	2482.0
8037.0	17.5°	7660.9	7080.7	5315.9	3537.7	2632.4	2417.5	2374.6	2385.3	2398.7	2396.0
8542.0	20°	8069.2	7301.0	4969.4	3051.5	2379.9	2277.9	2253.7	2264.4	2275.2	2269.8
9124.9	22.5°	8533.9	7537.3	4585.3	2672.7	2210.7	2148.9	2122.1	2124.7	2124.7	2114.0
9863.6	25°	9089.9	7797.9	4182.3	2404.1	2081.8	2033.4	2001.2	1990.4	1974.3	1942.1
10760.7	27.5°	9753.4	8074.6	3795.5	2216.1	1979.7	1934.0	1896.4	1869.6	1829.3	1775.5
11837.9	30°	10500.2	8410.3	3467.8	2097.9	1899.1	1853.4	1810.5	1770.2	1711.1	1643.9
13076.2	32.5°	11378.5	8770.3	3228.8	2020.0	1826.6	1778.2	1727.2	1678.8	1614.4	1547.2
14467.6	35°	12426.1	9205.4	3089.1	1966.3	1770.2	1705.7	1649.3	1595.6	1547.2	1488.1
15979.9	37.5°	13562.4	9667.5	3046.1	1939.4	1732.6	1633.2	1568.7	1531.1	1525.7	1490.8
17615.8	40°	14806.1	10215.4	3078.3	1923.3	1692.3	1563.3	1493.5	1485.4	1498.9	1437.1
19364.5	42.5°	16122.3	10865.5	3132.1	1904.5	1635.9	1493.5	1426.3	1426.3	1415.6	1329.6
21212.6	45°	17546.0	11614.9	3185.8	1858.8	1568.7	1423.7	1372.6	1353.8	1308.2	1224.9
23071.4	47.5°	18980.4	12377.8	3226.1	1775.5	1488.1	1364.6	1318.9	1275.9	1208.8	1133.6
24895.3	50°	20342.2	13062.8	3183.1	1652.0	1396.8	1308.2	1259.8	1200.7	1128.2	1077.1
26622.5	52.5°	21559.1	13656.4	3000.4	1506.9	1300.1	1249.1	1206.1	1144.3	1085.2	1031.5
28180.4	55°	22617.4	14137.2	2678.1	1369.9	1214.1	1198.0	1155.0	1077.1	996.6	950.9
29725.0	57.5°	23632.8	14502.5	2275.2	1257.1	1136.2	1141.6	1077.1	1007.3	932.1	883.7
31806.7	60°	24983.9	14991.4	1866.9	1152.4	1053.0	1069.1	999.2	948.2	854.2	792.4
35376.6	62.5°	27143.6	15751.6	1482.8	1023.4	956.3	961.6	932.1	870.3	757.5	685.0
38022.5	65°	28857.3	15472.2	1168.5	883.7	846.1	854.2	854.2	787.0	666.2	582.9
38164.9	67.5°	28663.9	13248.1	932.1	746.8	741.4	746.8	765.6	709.1	591.0	523.8
35258.4	70°	26404.9	10537.8	746.8	620.5	644.7	631.2	685.0	647.4	531.9	464.7
27334.3	72.5°	21545.6	7591.1	569.5	513.1	494.3	515.7	617.8	582.9	443.2	368.0
14478.4	75°	12590.0	4050.7	424.4	405.6	357.3	429.8	548.0	496.9	338.5	271.3
4437.5	77.5°	4099.1	1412.9	311.6	298.2	265.9	346.5	467.4	419.0	276.7	214.9
1300.1	80°	1098.6	427.1	212.2	196.1	171.9	257.9	370.7	333.1	198.8	139.7
558.7	82.5°	440.5	180.0	123.6	110.1	94.0	177.3	292.8	268.6	147.7	88.6
174.6	85°	142.4	59.1	45.7	34.9	43.0	110.1	174.6	182.7	104.8	45.7
26.9	87.5°	18.8	8.1	8.1	10.7	8.1	18.8	53.7	51.0	29.5	5.4
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°
6180.8
5450.2
4410.7
3411.4
2785.5
2557.2
2479.3
2390.7
2267.1
2108.6
1936.7
1770.2
1638.6
1549.9
1482.8
1488.1
1439.8
1329.6
1222.2
1130.9
1069.1
1026.1
945.5
878.4
784.4
679.6
574.8
513.1
456.6
359.9
263.2
206.8
137.0
88.6
34.9
0.0
0.0

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