

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: P851375

Luminaire Tested: **GLAN-SB9B-827-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851375
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-SB9B-827-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 2700K, 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: 29861.9 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

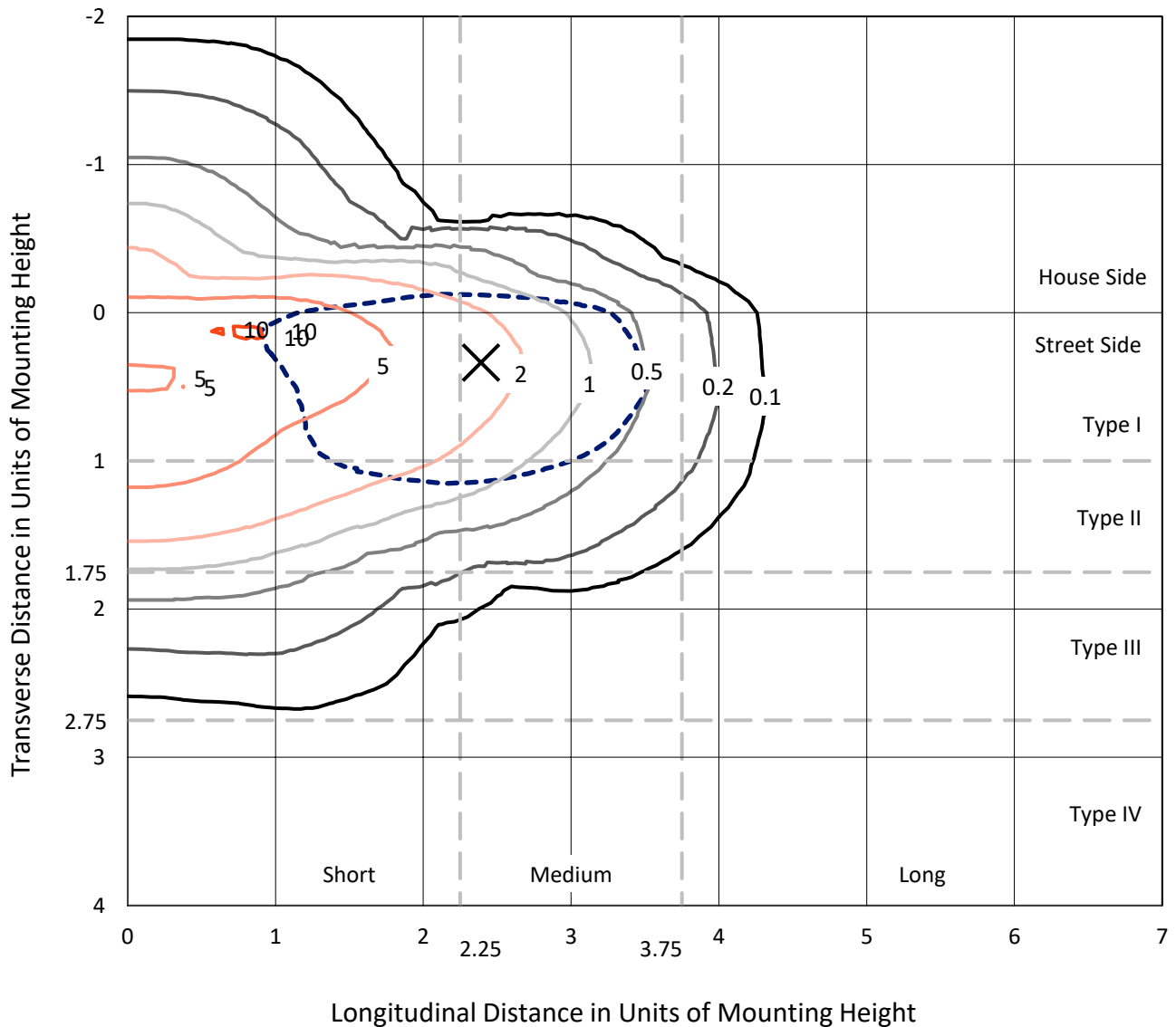
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

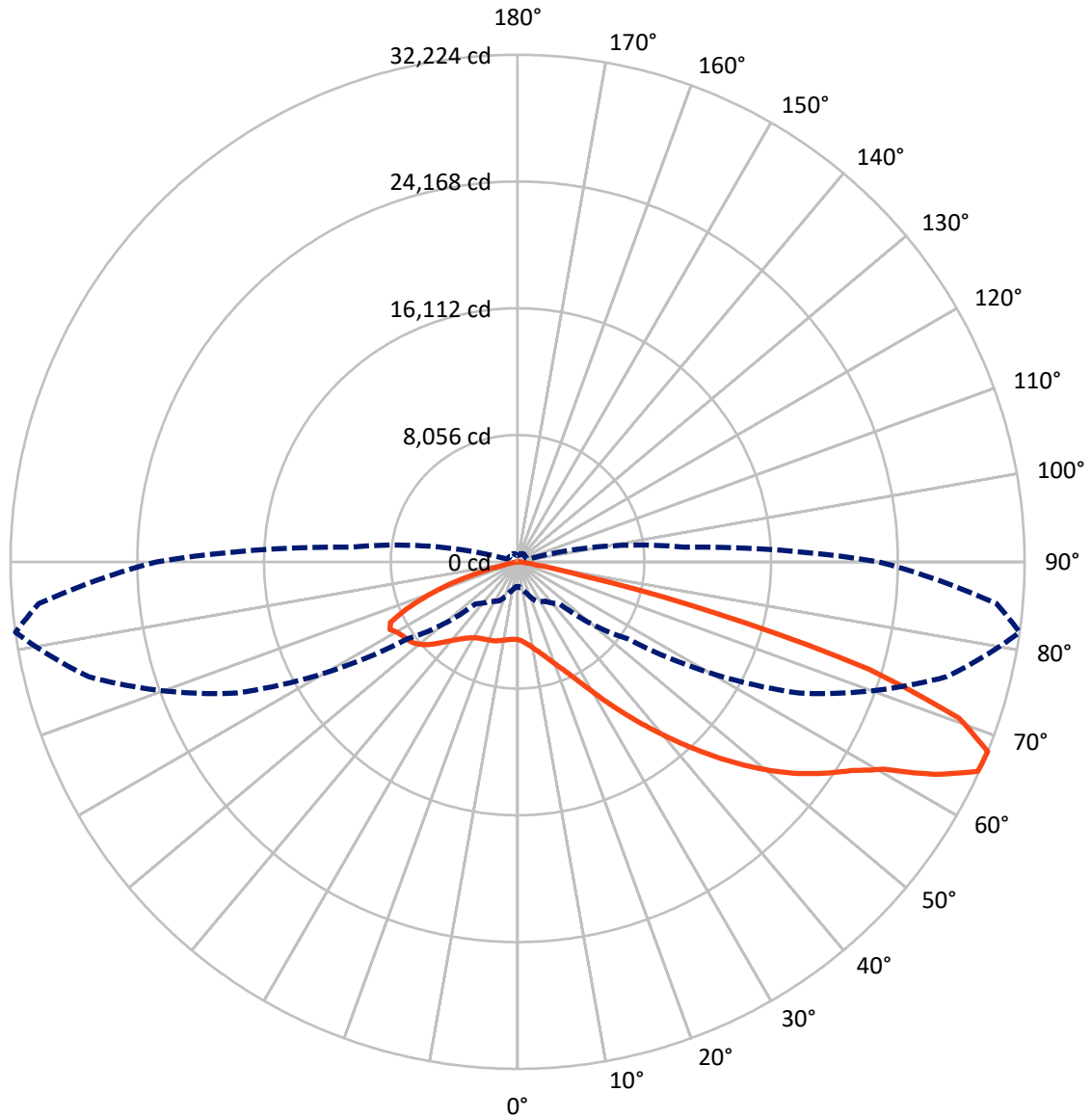
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 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	5409.2	0.0	5409.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	24452.7	0.0	24452.7
	% Fixture	81.9	0.0	81.9
Total	Lumens	29861.9	0.0	29861.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.8	1.5
10°-20°	1145.3	3.8
20°-30°	1834.5	6.1
30°-40°	3243.9	10.9
40°-50°	5683.6	19.0
50°-60°	7580.3	25.4
60°-70°	7056.9	23.6
70°-80°	2708.4	9.1
80°-90°	168.2	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°	29861.9	100.0
0°-180°	29861.9	100.0

Coefficient of Utilization

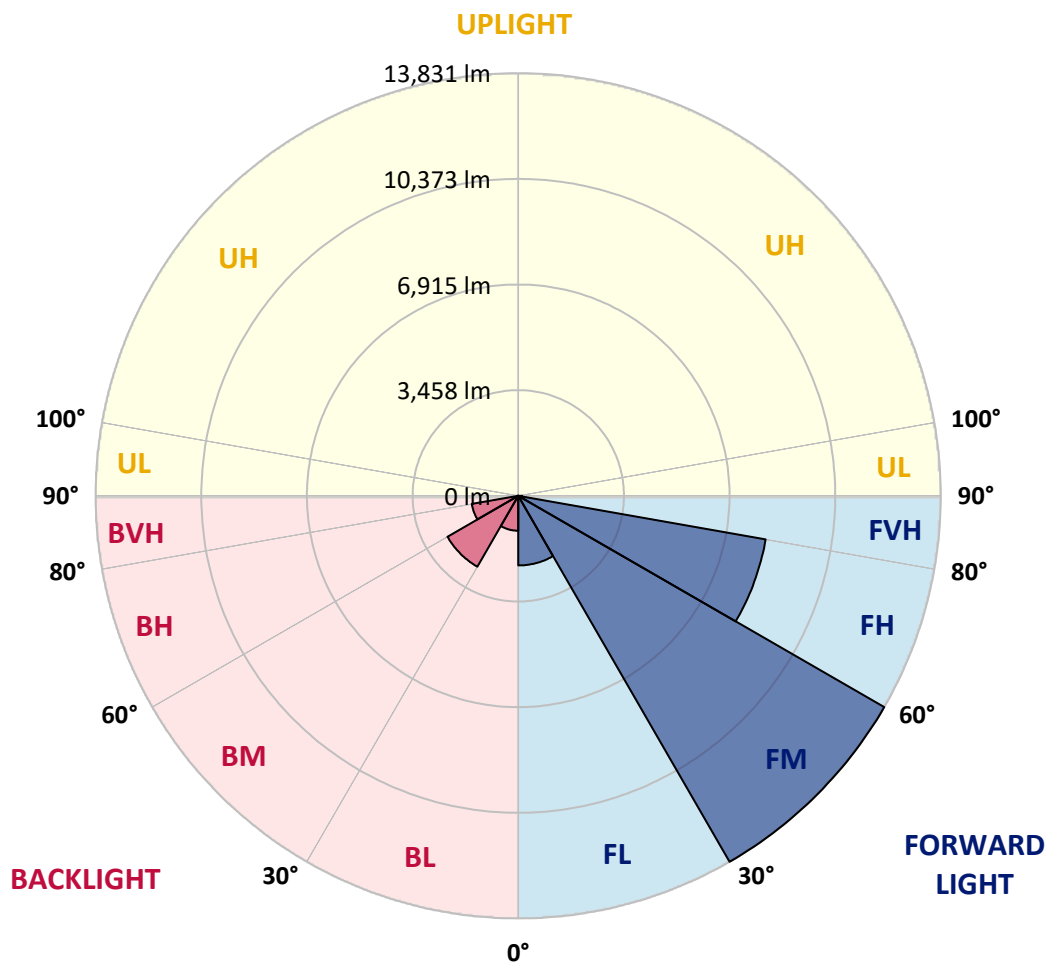


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2278.1	7.6			
FM (30°-60°)	13830.9	46.3			
FH (60°-80°)	8221.4	27.5			G4/12000
FVH (80°-90°)	122.3	0.4			G2/225
BL (0°-30°)	1142.4	3.8	B3/2500		
BM (30°-60°)	2677.0	9.0	B3/5000		
BH (60°-80°)	1543.9	5.2	B3/2500		G3/2500
BVH (80°-90°)	45.9	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°	4947.1	4947.1	4947.1	4947.1	4947.1	4947.1	4947.1	4947.1	4947.1	4947.1
2.5°	5228.8	5258.9	5241.7	5233.1	5218.0	5196.5	5179.3	5125.6	5069.7	5033.1
5°	5334.1	5364.2	5362.1	5370.7	5381.4	5387.9	5383.6	5323.4	5243.8	5181.5
7.5°	5243.8	5278.2	5306.2	5349.2	5424.4	5504.0	5542.7	5529.8	5448.1	5362.1
10°	4988.0	5024.5	5091.2	5192.2	5351.3	5523.3	5667.4	5734.0	5682.4	5587.8
12.5°	4519.3	4555.8	4687.0	4906.3	5172.9	5471.7	5746.9	5925.4	5938.3	5843.7
15°	3992.5	4029.1	4168.8	4444.0	4850.4	5329.8	5789.9	6127.5	6241.4	6159.7
17.5°	3665.7	3698.0	3803.3	4024.8	4448.3	5046.0	5774.9	6342.5	6602.6	6538.1
20°	3566.8	3594.8	3644.2	3799.0	4151.6	4751.5	5676.0	6544.6	6991.8	6955.2
22.5°	3672.2	3698.0	3713.0	3781.8	4003.3	4558.0	5551.3	6751.0	7443.3	7447.6
25°	3915.1	3940.9	3923.7	3966.7	4063.5	4497.8	5504.0	6993.9	8010.9	8058.2
27.5°	4315.0	4317.2	4276.3	4274.2	4289.2	4588.1	5553.4	7254.1	8726.8	8815.0
30°	5117.0	5084.7	4927.8	4757.9	4680.5	4859.0	5691.0	7561.5	9571.7	9728.7
32.5°	6353.2	6305.9	6017.8	5611.5	5203.0	5295.4	5938.3	7912.0	10491.9	10775.7
35°	7694.8	7681.9	7380.9	6776.8	6063.0	5916.8	6340.3	8372.1	11496.0	11947.5
37.5°	8941.8	8935.4	8763.4	8051.7	7183.1	6783.2	6985.3	8974.1	12571.0	13224.6
40°	10081.3	10100.6	9928.6	9292.2	8417.2	7894.8	7862.5	9717.9	13766.4	14615.6
42.5°	11066.0	11087.5	10913.3	10442.5	9636.2	9124.5	8939.7	10629.5	14933.8	16109.9
45°	11734.6	11867.9	11842.1	11465.9	10887.5	10356.5	10233.9	11773.3	16264.7	17694.4
47.5°	11923.8	12046.4	12239.9	12291.5	11938.9	11416.4	11562.6	13151.5	17610.6	19281.1
50°	11457.3	11571.2	11973.3	12508.6	12753.7	12592.5	12854.8	14628.5	18988.7	20863.5
52.5°	10537.1	10653.2	11160.6	12007.7	13007.4	13514.8	14151.2	16084.1	20323.8	22362.0
55°	9206.2	9328.8	9980.2	10939.1	12523.7	13895.4	15232.7	17537.5	21547.2	23710.1
57.5°	7396.0	7486.3	8163.5	9505.1	11306.8	13517.0	16030.3	19124.1	22699.6	25034.5
60°	4820.3	4899.8	5686.7	7183.1	9290.1	12252.8	16189.4	20893.6	24230.4	26756.6
62.5°	3205.6	3259.4	3725.9	4824.6	6542.4	9825.4	15258.5	22306.1	26475.0	29753.7
65°	2199.4	2253.2	2719.7	3485.1	4226.9	6499.4	12581.7	22119.1	28508.8	32133.7
67.5°	1569.5	1614.6	2010.2	2732.6	3059.4	3775.4	8529.0	19728.3	28216.4	32224.0
70°	1124.4	1150.2	1477.0	2128.5	2431.6	2268.2	4742.9	15088.6	24705.5	29755.8
72.5°	786.9	795.5	1025.5	1621.1	1958.6	1655.5	2257.5	10059.8	18685.5	23355.3
75°	533.2	543.9	690.1	1188.9	1571.6	1264.2	1195.4	5394.3	10969.2	12927.9
77.5°	326.8	331.1	445.0	812.7	1176.0	963.2	769.7	2285.4	4244.1	4166.7
80°	184.9	184.9	283.8	505.2	801.9	621.3	539.6	971.8	1343.7	1180.3
82.5°	103.2	105.3	206.4	313.9	531.0	367.6	296.7	449.3	580.5	513.8
85°	43.0	47.3	126.8	148.3	253.7	182.7	120.4	189.2	215.0	191.3
87.5°	4.3	6.4	38.7	27.9	30.1	36.5	17.2	36.5	30.1	30.1
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°
4947.1	0°	4947.1	4947.1	4947.1	4947.1	4947.1	4947.1	4947.1	4947.1	4947.1	4947.1
5020.2	2.5°	4979.4	4947.1	4865.4	4770.8	4646.1	4585.9	4504.2	4448.3	4401.0	4405.3
5144.9	5°	5076.1	4994.4	4811.7	4583.8	4300.0	4097.9	3882.9	3734.5	3614.1	3588.3
5316.9	7.5°	5209.4	5080.4	4760.1	4349.4	3870.0	3506.6	3182.0	2973.4	2825.1	2777.8
5525.5	10°	5381.4	5194.4	4693.4	4054.9	3364.7	2902.5	2554.2	2390.8	2289.7	2255.3
5770.6	12.5°	5581.4	5325.5	4605.3	3695.8	2844.4	2399.4	2177.9	2096.2	2064.0	2053.2
6071.6	15°	5832.9	5488.9	4472.0	3270.1	2403.7	2091.9	1997.3	1986.6	1990.9	1986.6
6432.8	17.5°	6131.8	5667.4	4254.8	2831.5	2107.0	1935.0	1900.6	1909.2	1919.9	1917.8
6837.0	20°	6458.6	5843.7	3977.5	2442.4	1904.9	1823.2	1803.8	1812.4	1821.0	1816.7
7303.5	22.5°	6830.5	6032.9	3670.0	2139.2	1769.4	1720.0	1698.5	1700.6	1700.6	1692.0
7894.8	25°	7275.6	6241.4	3347.5	1924.2	1666.2	1627.5	1601.7	1593.1	1580.2	1554.4
8612.9	27.5°	7806.6	6462.9	3037.9	1773.7	1584.5	1548.0	1517.9	1496.4	1464.1	1421.1
9475.0	30°	8404.3	6731.6	2775.6	1679.1	1520.0	1483.5	1449.1	1416.8	1369.5	1315.8
10466.1	32.5°	9107.3	7019.7	2584.3	1616.8	1462.0	1423.3	1382.4	1343.7	1292.1	1238.4
11579.8	35°	9945.8	7368.0	2472.5	1573.8	1416.8	1365.2	1320.1	1277.1	1238.4	1191.1
12790.3	37.5°	10855.3	7737.8	2438.1	1552.3	1386.7	1307.2	1255.6	1225.5	1221.2	1193.2
14099.6	40°	11850.7	8176.4	2463.9	1539.4	1354.5	1251.3	1195.4	1188.9	1199.7	1150.2
15499.3	42.5°	12904.2	8696.7	2506.9	1524.3	1309.3	1195.4	1141.6	1141.6	1133.0	1064.2
16978.5	45°	14043.7	9296.5	2549.9	1487.8	1255.6	1139.5	1098.6	1083.6	1047.0	980.4
18466.2	47.5°	15191.8	9907.1	2582.1	1421.1	1191.1	1092.2	1055.6	1021.2	967.5	907.3
19926.1	50°	16281.9	10455.4	2547.7	1322.2	1118.0	1047.0	1008.3	961.0	903.0	862.1
21308.5	52.5°	17255.8	10930.5	2401.5	1206.1	1040.6	999.7	965.3	915.9	868.6	825.6
22555.5	55°	18102.9	11315.4	2143.5	1096.5	971.8	958.9	924.5	862.1	797.6	761.1
23791.8	57.5°	18915.6	11607.8	1821.0	1006.2	909.4	913.7	862.1	806.2	746.0	707.3
25458.0	60°	19997.0	11999.1	1494.2	922.3	842.8	855.7	799.8	758.9	683.7	634.2
28315.3	62.5°	21725.6	12607.5	1186.8	819.1	765.4	769.7	746.0	696.6	606.3	548.2
30433.1	65°	23097.3	12383.9	935.2	707.3	677.2	683.7	683.7	629.9	533.2	466.5
30547.0	67.5°	22942.5	10603.7	746.0	597.7	593.4	597.7	612.7	567.6	473.0	419.2
28220.7	70°	21134.4	8434.4	597.7	496.6	516.0	505.2	548.2	518.1	425.7	371.9
21878.3	72.5°	17245.1	6075.9	455.8	410.6	395.6	412.8	494.5	466.5	354.7	294.5
11588.4	75°	10077.0	3242.2	339.7	324.6	285.9	344.0	438.6	397.7	270.9	217.1
3551.8	77.5°	3280.9	1130.9	249.4	238.6	212.8	277.3	374.1	335.4	221.4	172.0
1040.6	80°	879.3	341.8	169.8	156.9	137.6	206.4	296.7	266.6	159.1	111.8
447.2	82.5°	352.6	144.0	98.9	88.1	75.2	141.9	234.3	215.0	118.2	70.9
139.7	85°	113.9	47.3	36.5	27.9	34.4	88.1	139.7	146.2	83.8	36.5
21.5	87.5°	15.0	6.4	6.4	8.6	6.4	15.0	43.0	40.8	23.6	4.3
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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<u>180°</u>
4947.1
4362.3
3530.3
2730.5
2229.5
2046.8
1984.4
1913.5
1814.6
1687.7
1550.1
1416.8
1311.5
1240.5
1186.8
1191.1
1152.4
1064.2
978.2
905.1
855.7
821.3
756.8
703.0
627.8
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