

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: P852138

Luminaire Tested: **GLAN-SB1C-850-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852138
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-850-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 5000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4870 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

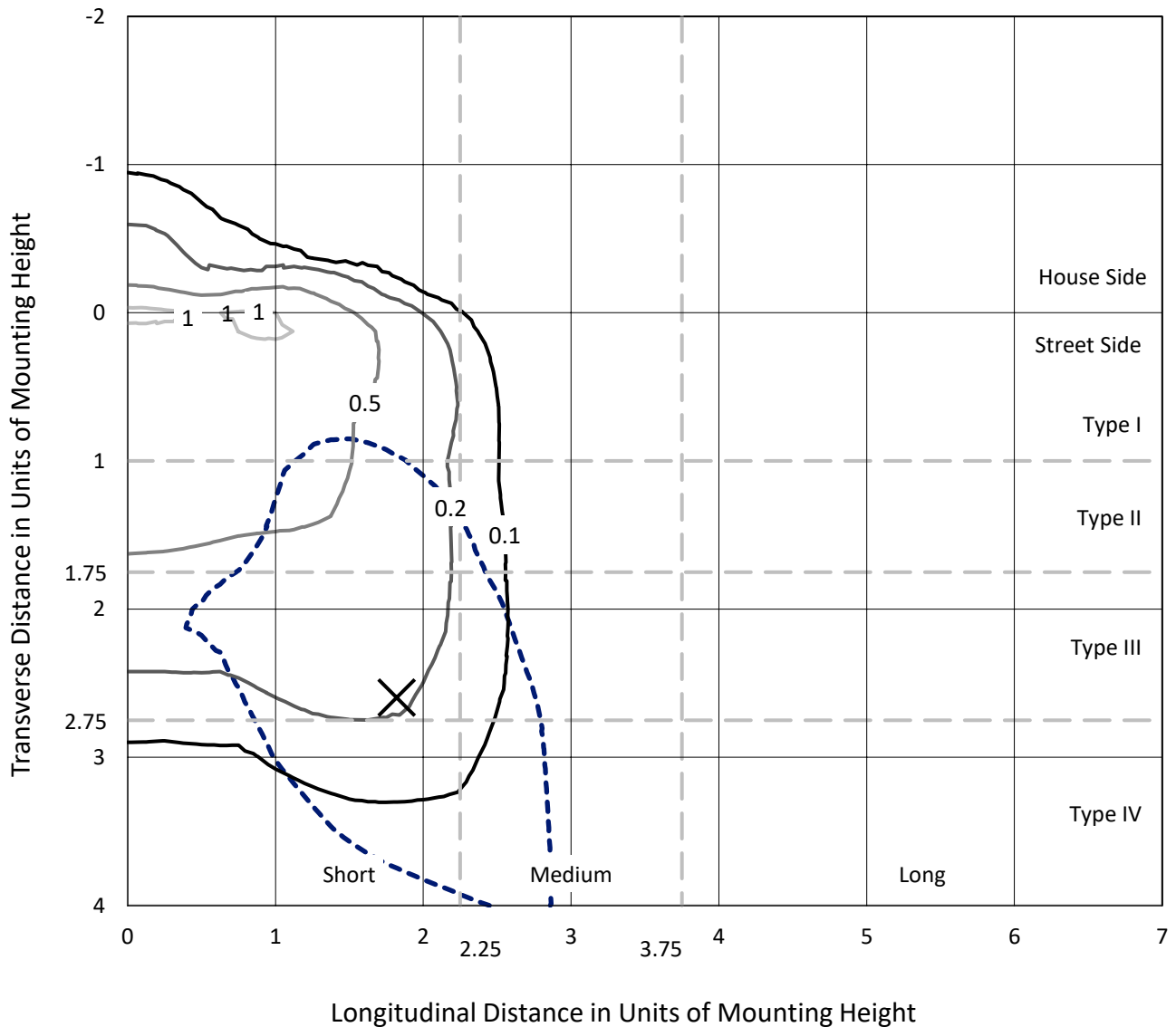
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

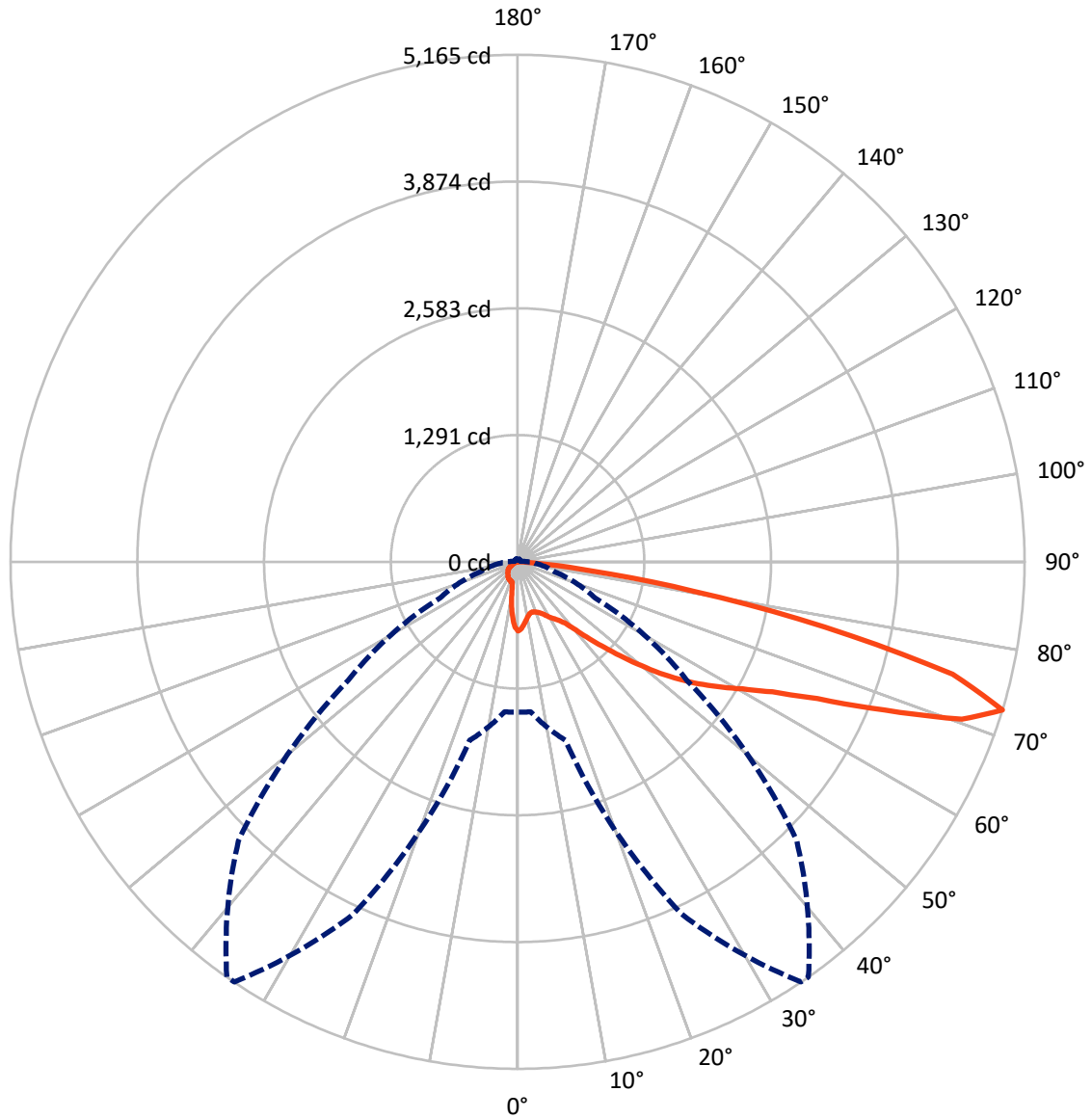
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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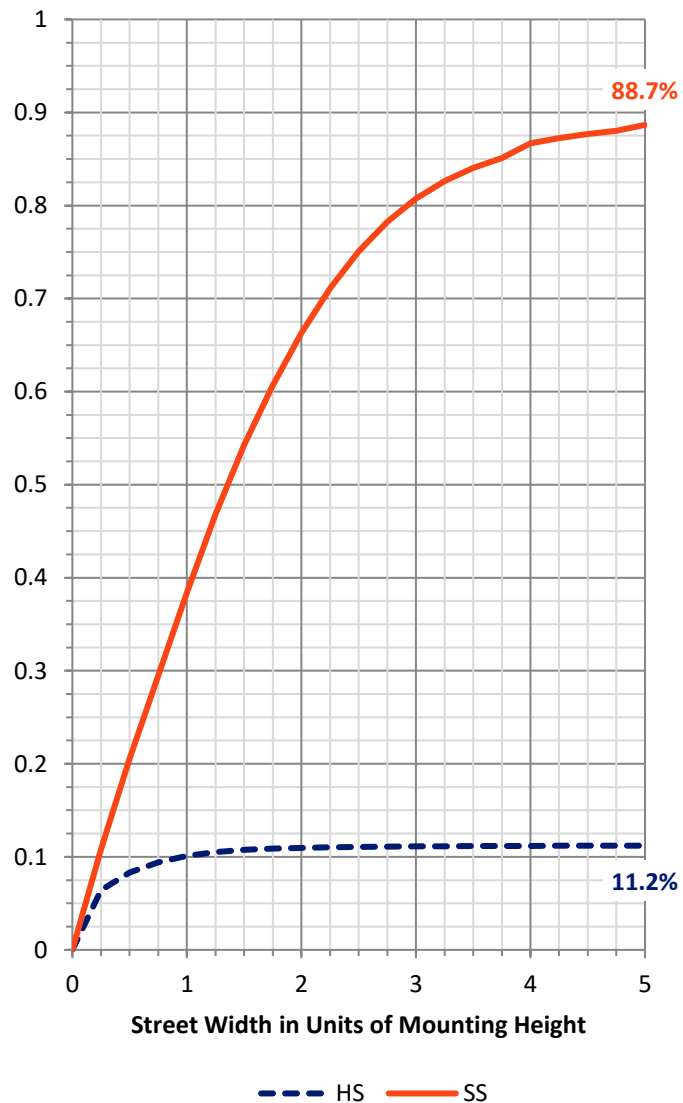
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	548.1	0.0	548.1
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	4321.9	0.0	4321.9
	% Fixture	88.7	0.0	88.7
Total	Lumens	4870.0	0.0	4870.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	1.2
10°-20°	135.7	2.8
20°-30°	220.4	4.5
30°-40°	367.8	7.6
40°-50°	695.8	14.3
50°-60°	1105.6	22.7
60°-70°	1367.8	28.1
70°-80°	850.2	17.5
80°-90°	68.7	1.4
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°	4870.0	100.0
0°-180°	4870.0	100.0

Coefficient of Utilization



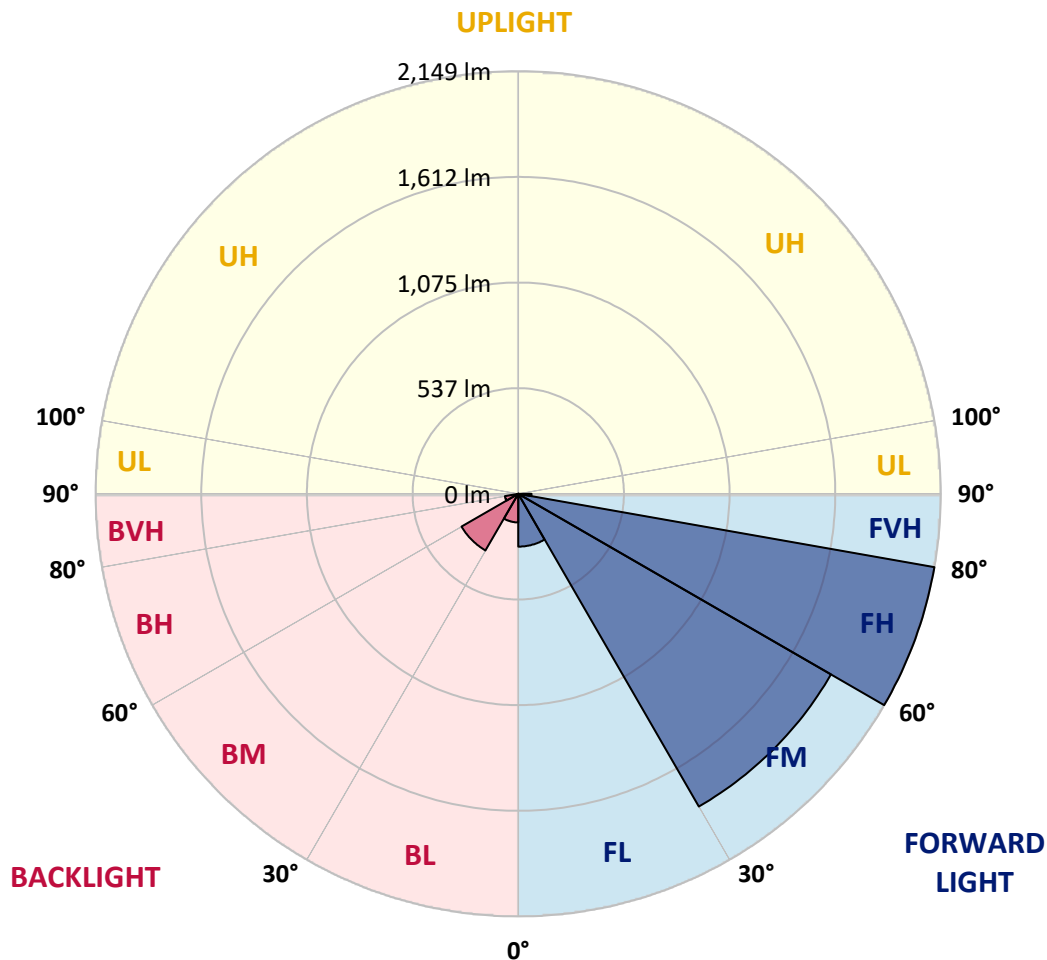
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	268.5	5.5			
FM (30°-60°)	1836.5	37.7			
FH (60°-80°)	2149.2	44.1			G2/5000
FVH (80°-90°)	67.8	1.4			G1/100
BL (0°-30°)	145.6	3.0	B1/500		
BM (30°-60°)	332.7	6.8	B1/1000		
BH (60°-80°)	68.8	1.4	B0/110		G0/110
BVH (80°-90°)	0.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	705.8	705.8	705.8	705.8	705.8	705.8	705.8	705.8	705.8	705.8
2.5°	674.4	680.1	681.2	683.0	683.0	685.1	688.7	693.7	701.9	706.2
5°	621.6	625.9	631.2	635.5	643.7	644.8	658.7	672.3	691.2	705.5
7.5°	568.4	573.4	580.6	590.9	601.6	604.8	625.9	648.7	678.7	705.5
10°	531.0	531.3	537.8	548.1	565.2	569.2	594.8	627.3	664.8	701.2
12.5°	509.9	512.4	515.3	523.1	539.5	542.0	569.5	607.7	650.9	698.7
15°	509.9	511.7	513.5	517.4	530.6	532.8	557.0	595.2	643.7	699.8
17.5°	515.3	518.1	516.7	521.3	535.3	536.7	558.1	591.6	643.4	706.5
20°	528.1	530.3	527.4	530.3	544.2	547.0	569.2	598.4	649.4	718.3
22.5°	548.5	549.5	542.8	544.9	559.2	562.7	588.4	617.7	664.1	737.2
25°	574.2	576.3	565.9	568.4	582.0	586.3	615.9	646.6	687.3	763.3
27.5°	603.8	604.8	595.9	595.6	613.0	619.1	649.1	682.3	718.3	796.1
30°	637.7	640.9	632.3	630.9	653.0	658.0	687.6	726.2	764.0	845.4
32.5°	664.4	666.9	661.9	665.5	688.0	691.9	734.4	788.3	835.7	915.3
35°	703.0	704.4	693.0	699.4	725.1	735.1	798.2	875.3	926.0	1003.1
37.5°	842.5	842.5	794.0	762.2	786.8	795.7	885.7	984.9	1037.3	1120.8
40°	1035.5	1032.3	961.3	896.4	893.2	910.7	1010.2	1123.0	1181.1	1262.1
42.5°	1241.4	1236.4	1139.7	1075.5	1064.8	1070.9	1154.0	1293.2	1352.4	1434.5
45°	1424.1	1422.7	1334.2	1247.9	1228.6	1247.9	1333.5	1492.3	1534.8	1621.1
47.5°	1577.2	1577.2	1512.6	1456.3	1446.3	1457.7	1576.5	1713.2	1709.3	1819.9
50°	1753.5	1752.1	1690.7	1666.4	1676.8	1692.8	1856.3	1945.8	1889.8	2015.1
52.5°	1877.0	1885.5	1864.5	1860.6	1913.4	1941.2	2140.3	2173.5	2051.5	2200.3
55°	1974.7	1984.7	2009.0	2036.5	2138.2	2174.6	2415.4	2389.4	2186.7	2360.8
57.5°	2113.2	2098.9	2136.4	2190.6	2355.1	2399.0	2682.0	2593.1	2295.5	2491.1
60°	2281.3	2283.4	2289.8	2358.3	2571.7	2628.1	2944.6	2785.8	2365.5	2571.0
62.5°	2483.2	2486.4	2499.7	2604.9	2862.6	2915.7	3224.4	2943.6	2397.6	2548.5
65°	2469.3	2482.9	2630.3	2990.3	3304.7	3357.1	3550.9	3054.2	2349.1	2343.0
67.5°	2249.5	2271.6	2518.2	3450.6	3971.3	4029.8	3945.6	3075.9	2139.6	1822.0
70°	1961.2	1969.0	2265.6	3864.6	4743.1	4802.3	4298.8	2836.5	1623.6	1016.3
72.5°	1531.6	1533.3	1881.3	3960.5	5162.0	5165.2	4021.6	2105.7	873.2	390.4
75°	1094.1	1083.4	1260.0	3211.9	4541.5	4577.9	3014.9	987.7	333.6	184.5
77.5°	586.6	598.4	713.0	1904.8	3137.3	3199.4	1645.0	284.8	169.9	125.6
80°	181.3	191.3	292.3	872.1	1777.1	1814.5	609.8	126.7	118.5	89.6
82.5°	57.1	59.2	136.3	366.5	737.6	754.7	176.6	71.7	81.0	59.2
85°	16.4	16.8	60.7	136.7	182.3	185.9	49.6	27.8	46.4	36.8
87.5°	1.8	5.7	22.8	22.8	16.1	15.7	5.4	6.1	13.2	4.6
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°
705.8	0°	705.8	705.8	705.8	705.8	705.8	705.8	705.8	705.8	705.8	705.8
709.0	2.5°	707.3	707.6	703.0	695.1	686.6	679.4	670.5	663.4	658.4	656.9
715.5	5°	712.2	709.8	696.5	672.6	644.1	619.5	592.0	570.2	556.0	549.9
722.2	7.5°	719.7	712.6	683.7	636.6	582.0	533.5	484.2	446.0	421.8	409.7
728.7	10°	726.2	711.9	662.3	584.5	501.0	427.5	361.1	315.1	289.4	277.3
736.2	12.5°	732.2	711.5	634.5	522.8	409.7	319.7	258.0	235.2	228.0	225.5
748.3	15°	743.7	712.6	599.5	452.1	318.7	241.6	219.1	218.7	220.2	219.5
766.8	17.5°	759.4	713.7	559.9	377.2	245.9	213.0	212.0	215.2	217.3	216.2
790.0	20°	779.7	718.0	517.8	303.0	211.2	205.9	208.4	211.2	213.0	211.2
821.1	22.5°	808.2	725.5	471.7	243.4	200.2	201.6	203.8	207.0	208.8	206.3
860.7	25°	843.2	737.2	426.4	211.6	194.8	196.6	199.8	203.4	205.5	203.0
910.7	27.5°	888.5	756.1	384.7	204.5	189.5	190.6	195.2	200.5	203.4	200.2
981.7	30°	954.2	787.2	348.6	207.7	186.3	183.8	190.2	197.7	200.9	198.0
1078.4	32.5°	1041.3	831.1	326.5	212.7	184.8	175.9	182.0	191.6	197.0	195.2
1204.7	35°	1155.4	897.8	317.9	218.4	183.8	167.7	172.0	182.3	191.6	193.4
1363.8	37.5°	1293.9	990.6	320.4	220.9	180.6	160.9	163.1	172.0	184.1	189.8
1543.0	40°	1451.3	1098.7	334.7	218.4	177.0	155.2	155.6	162.4	173.1	181.6
1735.7	42.5°	1613.6	1225.0	361.1	209.1	173.8	150.2	149.2	153.8	160.9	167.0
1928.0	45°	1768.1	1354.9	387.2	196.3	169.9	145.2	142.7	144.5	145.9	148.4
2115.3	47.5°	1903.0	1446.3	379.7	184.5	164.5	139.5	135.2	134.5	130.2	129.9
2282.7	50°	1996.2	1466.2	337.2	172.7	156.7	133.1	126.3	122.0	114.5	111.0
2407.9	52.5°	2025.8	1387.4	275.5	160.9	143.8	124.5	114.9	108.1	98.8	95.6
2480.0	55°	1986.5	1232.9	220.2	146.7	126.0	113.1	102.4	93.5	86.0	82.1
2487.9	57.5°	1890.5	1036.3	174.1	129.9	107.1	100.3	89.6	80.6	74.2	70.3
2400.8	60°	1731.4	822.9	137.7	109.9	91.4	86.4	75.3	69.6	63.9	59.2
2176.0	62.5°	1489.8	587.4	108.1	87.1	76.4	70.7	64.2	59.9	53.2	46.7
1771.7	65°	1162.6	359.3	83.5	63.9	61.4	58.5	54.6	50.7	42.5	36.0
1155.8	67.5°	733.3	170.2	59.6	48.2	48.5	47.1	45.3	42.1	36.0	30.3
517.8	70°	322.9	82.4	39.3	36.8	36.0	36.0	37.5	36.4	30.7	25.3
179.8	72.5°	109.9	44.2	29.3	27.8	26.0	25.7	31.4	30.3	24.6	19.6
89.6	75°	57.5	29.6	21.4	20.0	15.7	18.9	25.0	23.6	17.5	12.8
59.2	77.5°	37.5	21.1	14.6	12.8	8.9	12.5	18.6	16.4	10.3	6.4
38.9	80°	23.6	13.9	8.6	6.1	4.3	6.8	10.0	7.1	3.9	1.4
22.8	82.5°	12.5	7.1	3.2	2.1	1.8	2.1	2.5	1.8	0.7	0.0
11.8	85°	5.0	2.5	1.1	0.7	0.4	0.0	0.7	0.4	0.0	0.0
2.1	87.5°	1.8	0.4	0.0	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°
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