

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: P846306

Luminaire Tested: **GLAN-SB1D-840-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846306
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-840-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 4000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8970 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

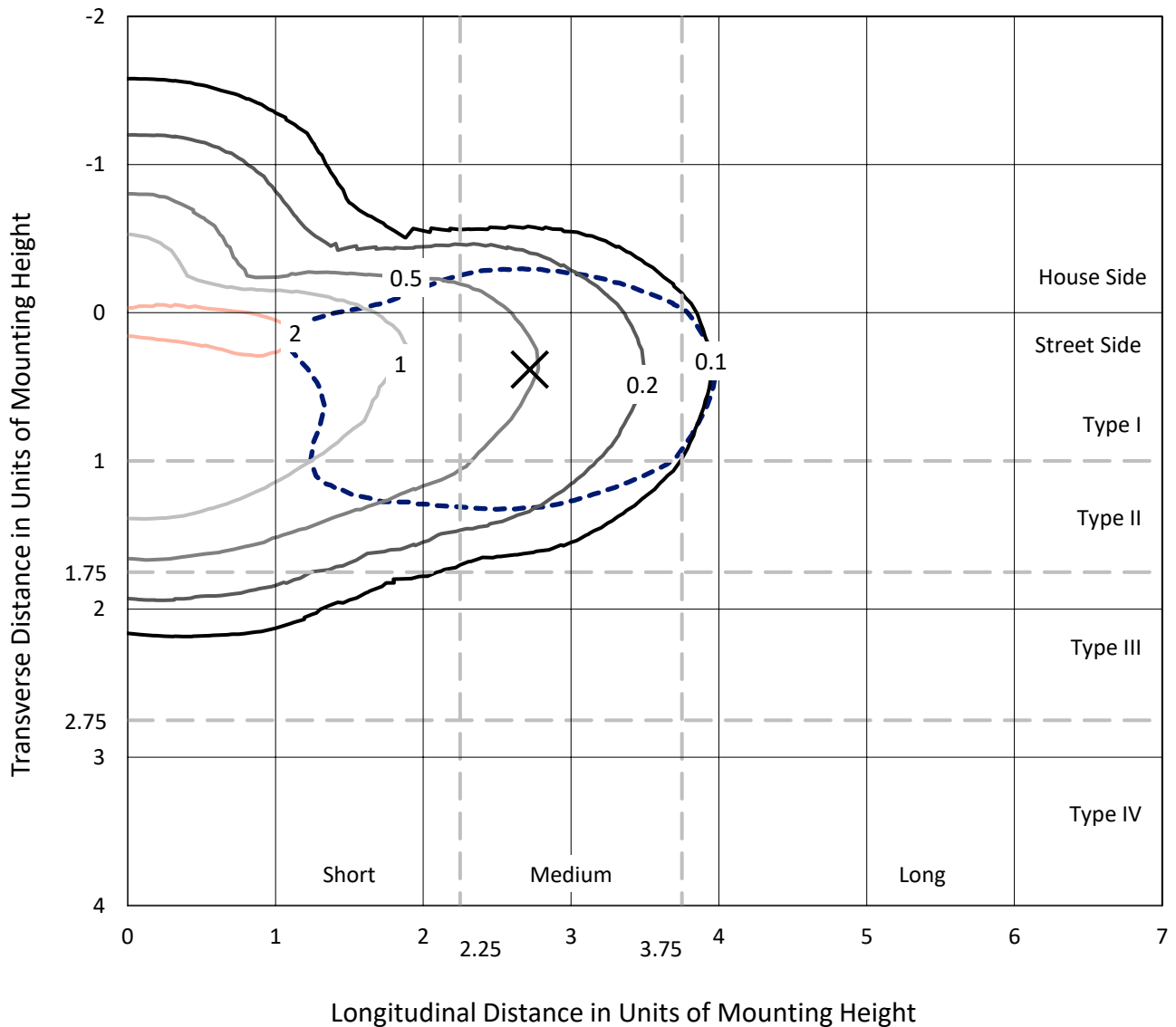
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

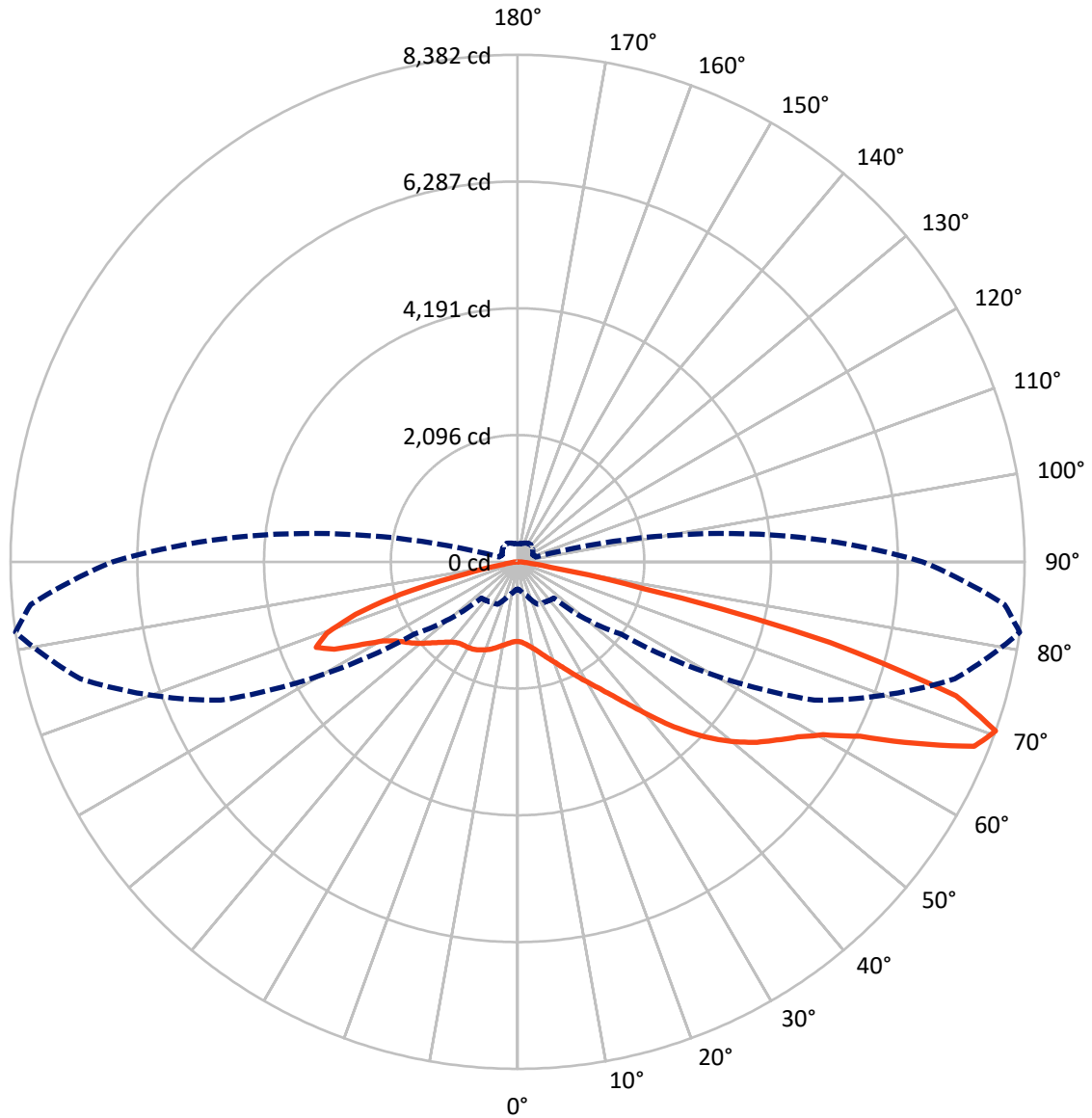
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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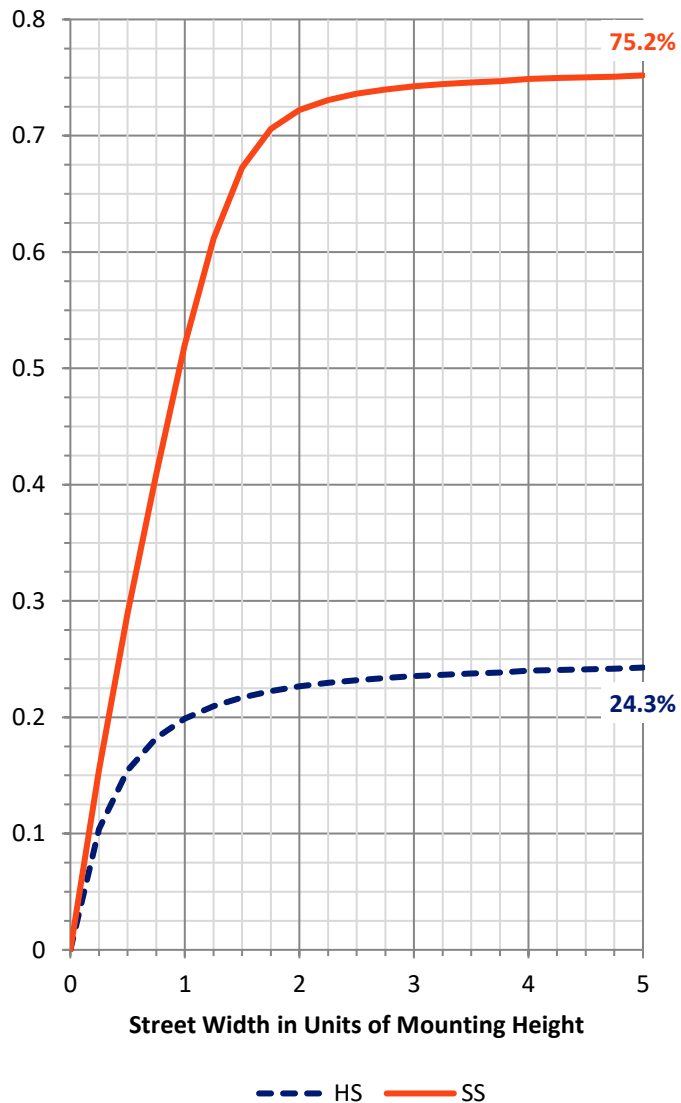
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2211.3	0.0	2211.3
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	6758.7	0.0	6758.7
	% Fixture	75.3	0.0	75.3
Total	Lumens	8970.0	0.0	8970.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.2	1.4
10°-20°	356.7	4.0
20°-30°	596.8	6.7
30°-40°	932.4	10.4
40°-50°	1484.9	16.6
50°-60°	2066.4	23.0
60°-70°	2161.6	24.1
70°-80°	1129.7	12.6
80°-90°	117.3	1.3
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°	8970.0	100.0
0°-180°	8970.0	100.0

Coefficient of Utilization

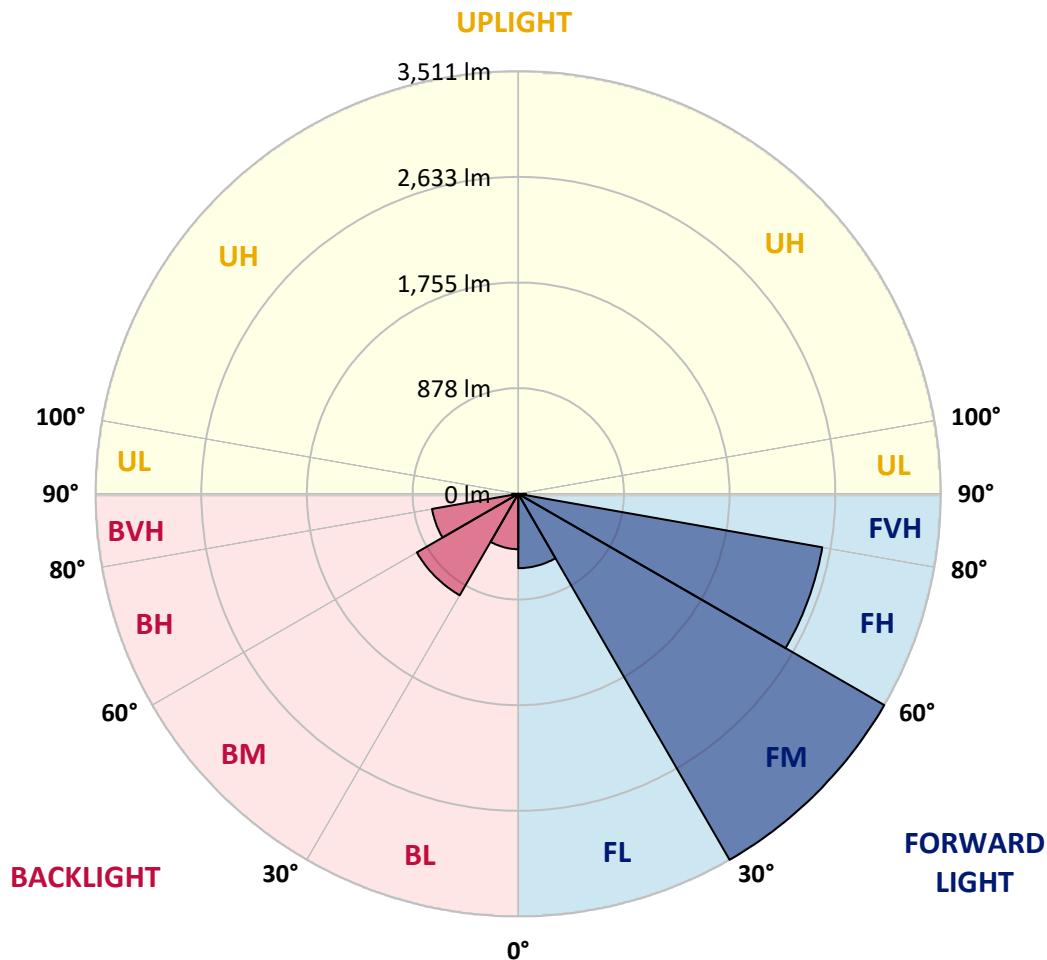


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	617.7	6.9			
FM (30°-60°)	3510.8	39.1			
FH (60°-80°)	2564.6	28.6			G2/5000
FVH (80°-90°)	65.7	0.7			G1/100
BL (0°-30°)	460.0	5.1	B1/500		
BM (30°-60°)	972.9	10.8	B1/1000		
BH (60°-80°)	726.8	8.1	B2/1000		G2/1000
BVH (80°-90°)	51.6	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1315.1	1315.1	1315.1	1315.1	1315.1	1315.1	1315.1	1315.1	1315.1	1315.1
2.5°	1346.5	1354.1	1351.8	1349.4	1349.4	1346.1	1345.6	1340.8	1337.0	1330.8
5°	1363.7	1371.8	1370.8	1372.7	1378.9	1380.3	1381.8	1378.9	1371.3	1363.7
7.5°	1348.4	1357.5	1360.3	1371.8	1390.8	1407.9	1420.8	1426.0	1418.9	1407.9
10°	1297.0	1307.0	1317.0	1344.1	1377.9	1418.4	1452.7	1473.1	1471.7	1461.2
12.5°	1192.8	1203.3	1224.7	1277.5	1339.4	1410.8	1474.6	1517.4	1532.2	1524.5
15°	1109.5	1118.5	1134.7	1189.0	1269.4	1377.9	1482.7	1566.0	1603.6	1599.3
17.5°	1107.1	1110.9	1120.9	1146.6	1208.5	1326.5	1474.1	1613.5	1685.4	1684.9
20°	1149.0	1150.4	1156.1	1161.4	1196.6	1287.5	1452.2	1653.1	1777.3	1777.3
22.5°	1207.1	1206.1	1211.8	1207.1	1224.2	1284.2	1438.4	1687.8	1879.6	1887.2
25°	1294.2	1289.4	1288.0	1277.0	1280.4	1315.1	1453.6	1727.3	2001.0	2016.7
27.5°	1410.3	1402.7	1397.5	1372.2	1363.7	1378.9	1500.3	1774.9	2136.2	2163.3
30°	1561.7	1547.9	1540.2	1496.5	1465.5	1467.9	1570.7	1838.2	2277.5	2321.3
32.5°	1768.2	1746.8	1726.4	1654.5	1597.8	1579.3	1661.6	1925.8	2430.8	2500.8
35°	1999.6	1982.4	1960.5	1849.6	1762.5	1719.7	1784.4	2048.1	2610.2	2721.1
37.5°	2222.3	2207.6	2218.0	2068.6	1956.3	1893.9	1945.3	2212.3	2831.6	2995.3
40°	2452.7	2441.3	2442.7	2299.9	2169.0	2099.0	2140.5	2418.4	3085.3	3321.3
42.5°	2703.1	2694.5	2665.9	2539.3	2392.2	2327.0	2365.1	2656.4	3357.5	3692.6
45°	2983.4	2978.2	2951.5	2806.3	2637.8	2564.5	2615.9	2919.1	3631.2	4042.0
47.5°	3225.7	3230.0	3226.6	3104.3	2929.6	2822.0	2883.4	3193.3	3885.8	4370.4
50°	3342.3	3364.7	3397.5	3359.4	3250.9	3141.4	3153.3	3457.9	4128.6	4678.3
52.5°	3281.4	3323.7	3413.2	3474.1	3516.0	3493.2	3461.3	3720.7	4357.1	4956.3
55°	3054.3	3113.8	3262.3	3409.4	3623.1	3789.2	3831.1	4012.0	4579.8	5201.0
57.5°	2640.7	2737.3	2870.6	3168.1	3527.9	3932.5	4262.3	4416.1	4815.9	5462.3
60°	1931.5	2061.0	2226.6	2669.3	3194.7	3855.9	4629.3	5036.7	5151.5	5800.7
62.5°	1236.1	1316.1	1468.4	1885.3	2489.3	3463.2	4741.6	5812.6	5720.2	6355.7
65°	846.3	897.7	1037.1	1271.3	1609.3	2577.9	4440.8	6394.2	6623.6	7235.3
67.5°	615.0	654.0	773.0	978.1	1048.6	1525.5	3446.0	6367.6	7501.8	8141.5
70°	448.4	476.0	575.9	773.0	806.8	848.7	2087.6	5412.8	7482.8	8382.4
72.5°	332.2	351.3	418.4	599.7	653.0	573.1	1033.3	3933.9	6429.9	7581.8
75°	240.4	254.6	304.1	458.8	522.6	436.5	515.5	2299.0	4485.1	5333.3
77.5°	183.7	194.7	227.0	336.0	418.4	327.5	319.9	1057.6	2126.6	2137.1
80°	147.6	154.7	172.3	236.6	320.8	245.1	208.5	426.9	672.1	568.8
82.5°	108.5	120.4	145.6	166.1	229.4	169.0	127.1	215.6	255.6	219.9
85°	61.9	70.0	88.1	119.0	146.6	103.3	72.8	95.7	119.0	97.6
87.5°	21.9	28.6	30.9	46.6	63.8	42.8	28.1	27.6	39.0	29.0
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°
1315.1	0°	1315.1	1315.1	1315.1	1315.1	1315.1	1315.1	1315.1	1315.1	1315.1	1315.1
1329.4	2.5°	1324.6	1322.3	1312.7	1299.9	1286.6	1273.7	1269.4	1260.4	1254.2	1250.9
1360.3	5°	1351.3	1343.7	1321.3	1292.7	1262.8	1230.4	1207.5	1186.6	1171.4	1157.1
1402.7	7.5°	1389.4	1376.0	1337.5	1287.5	1234.2	1180.4	1140.4	1110.0	1089.5	1076.2
1452.2	10°	1433.6	1413.2	1354.1	1279.4	1197.1	1120.0	1072.8	1046.7	1033.8	1026.7
1508.8	12.5°	1484.6	1455.5	1371.3	1260.9	1140.4	1052.4	1020.0	1012.4	1012.9	1013.3
1580.2	15°	1547.4	1506.9	1385.1	1220.4	1066.7	1000.5	994.8	1007.2	1020.0	1026.2
1661.1	17.5°	1618.3	1561.2	1387.5	1153.8	994.3	967.2	985.3	1011.9	1031.4	1040.0
1751.6	20°	1694.5	1616.4	1370.3	1059.5	934.8	940.0	972.4	1006.7	1028.1	1039.0
1854.9	22.5°	1781.6	1675.4	1329.4	960.5	886.3	910.5	948.6	981.9	1004.3	1015.3
1976.2	25°	1881.0	1741.6	1265.1	877.2	844.4	877.2	915.3	942.9	961.0	971.0
2111.9	27.5°	1991.5	1810.6	1179.5	811.1	807.7	842.9	874.4	895.8	905.3	912.9
2256.1	30°	2102.4	1873.4	1075.7	761.1	775.8	809.2	831.5	841.0	843.9	845.3
2417.0	32.5°	2222.3	1927.7	966.7	719.7	745.4	776.3	789.6	793.9	780.6	771.6
2612.1	35°	2367.5	1985.8	860.1	686.8	715.4	742.0	746.3	742.5	726.8	708.2
2856.8	37.5°	2546.9	2058.1	774.9	663.5	687.3	704.9	699.7	698.7	700.2	678.3
3150.9	40°	2766.8	2152.4	712.5	645.4	664.5	668.3	653.5	661.6	668.7	635.4
3473.7	42.5°	3011.0	2266.1	673.0	633.0	645.4	636.4	613.5	622.6	621.6	577.8
3797.8	45°	3259.9	2389.9	659.2	624.0	627.8	609.7	584.5	586.9	566.9	527.4
4108.6	47.5°	3507.4	2522.7	667.8	616.4	605.9	585.4	565.9	555.5	526.0	496.4
4406.6	50°	3750.2	2662.1	699.2	601.2	575.9	564.0	549.7	531.2	499.8	474.5
4688.3	52.5°	3975.3	2802.5	734.4	575.9	538.3	545.5	536.4	515.0	484.1	458.4
4954.9	55°	4188.6	2942.9	748.2	541.2	503.1	529.3	524.0	484.5	447.4	426.5
5233.8	57.5°	4420.8	3111.9	733.0	496.9	474.5	510.7	490.7	446.9	425.5	409.8
5597.0	60°	4742.6	3377.0	700.2	442.2	447.4	483.1	448.8	430.8	407.4	389.8
6141.5	62.5°	5277.1	3871.6	647.3	387.9	415.5	442.2	428.9	410.8	387.0	369.8
7072.5	65°	6067.2	4558.9	547.8	345.6	379.8	402.2	407.4	389.3	364.6	346.5
7888.3	67.5°	6733.6	4990.1	414.6	310.3	343.2	369.8	384.6	367.0	340.8	323.2
8079.2	70°	6696.9	4676.9	316.5	275.6	310.8	337.9	357.0	343.2	315.1	298.4
7338.6	72.5°	5948.2	3912.5	256.1	240.4	278.0	304.6	327.5	317.0	288.4	272.3
5376.1	75°	4369.9	2777.3	204.7	204.7	237.0	269.9	295.1	288.4	262.3	250.8
2257.1	77.5°	1842.0	1165.2	160.4	169.9	197.1	231.8	263.2	265.6	242.7	257.0
596.9	80°	489.8	321.3	122.3	133.7	154.7	191.3	228.9	228.0	203.2	189.9
221.8	82.5°	186.6	126.6	87.1	94.2	111.9	146.6	181.3	187.1	162.3	140.4
87.1	85°	71.9	54.3	53.8	56.6	65.2	97.1	137.1	141.8	122.3	103.8
24.3	87.5°	18.6	16.2	20.0	19.0	30.0	51.9	78.5	81.4	74.7	43.3
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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180°
1315.1
1254.7
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1041.9
1018.1
973.8
915.8
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577.4
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458.8
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