

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: P849705

Luminaire Tested: **GLAN-SB6D-840-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849705
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-840-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 4000K, 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: 40073 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

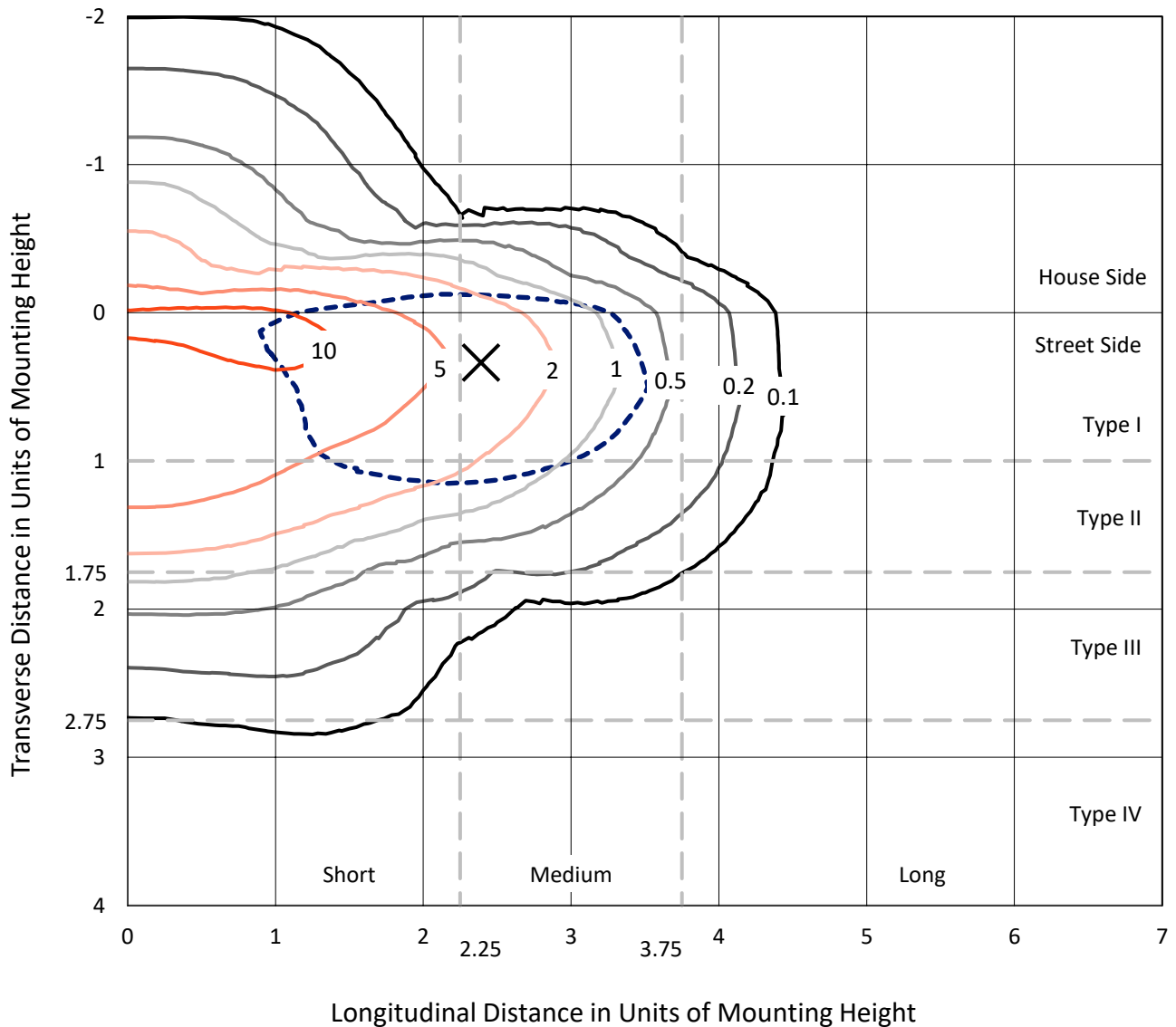
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

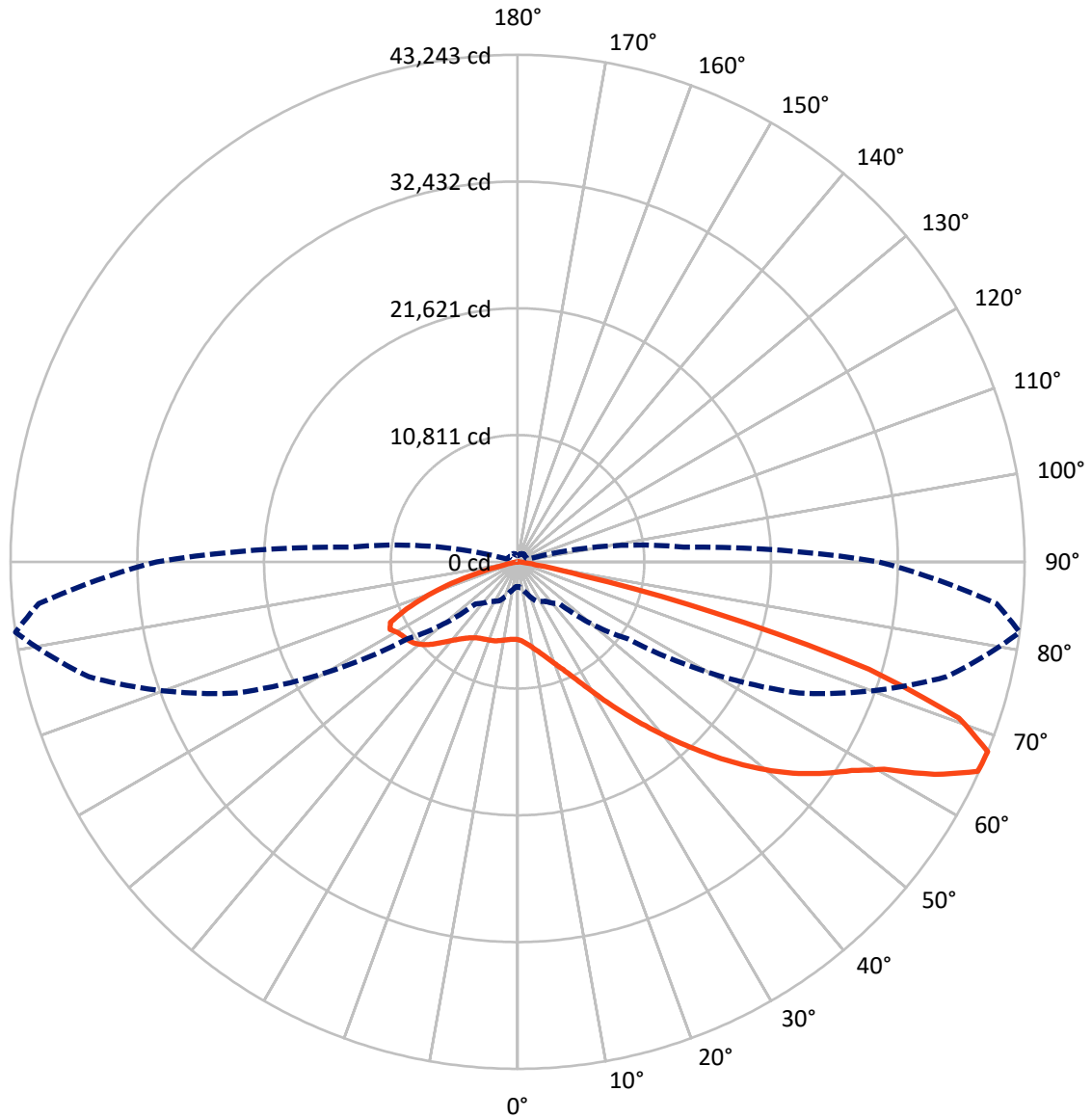
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 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	7258.9	0.0	7258.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	32814.1	0.0	32814.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	40073.0	0.0	40073.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	591.5	1.5
10°-20°	1537.0	3.8
20°-30°	2461.7	6.1
30°-40°	4353.1	10.9
40°-50°	7627.1	19.0
50°-60°	10172.4	25.4
60°-70°	9470.0	23.6
70°-80°	3634.6	9.1
80°-90°	225.7	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°	40073.0	100.0
0°-180°	40073.0	100.0

Coefficient of Utilization

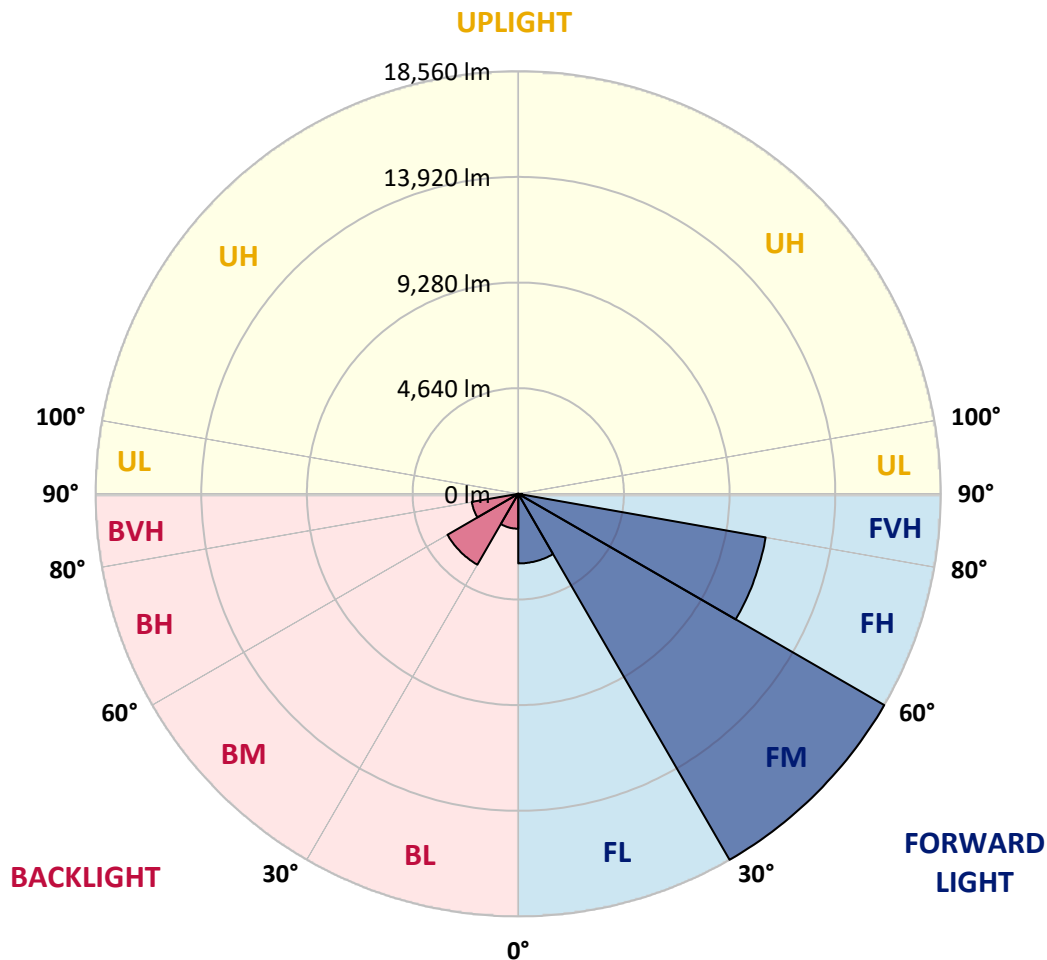


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3057.1	7.6			
FM (30°-60°)	18560.2	46.3			
FH (60°-80°)	11032.7	27.5			G4/12000
FVH (80°-90°)	164.1	0.4			G2/225
BL (0°-30°)	1533.1	3.8	B3/2500		
BM (30°-60°)	3592.4	9.0	B3/5000		
BH (60°-80°)	2071.8	5.2	B3/2500		G3/2500
BVH (80°-90°)	61.6	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°	6638.7	6638.7	6638.7	6638.7	6638.7	6638.7	6638.7	6638.7	6638.7	6638.7
2.5°	7016.7	7057.1	7034.0	7022.5	7002.3	6973.4	6950.3	6878.2	6803.2	6754.1
5°	7158.1	7198.5	7195.6	7207.1	7221.5	7230.2	7224.4	7143.6	7036.9	6953.2
7.5°	7036.9	7083.1	7120.6	7178.3	7279.2	7386.0	7437.9	7420.6	7311.0	7195.6
10°	6693.6	6742.6	6832.0	6967.6	7181.1	7412.0	7605.3	7694.7	7625.5	7498.5
12.5°	6064.6	6113.6	6289.6	6583.9	6941.7	7342.7	7712.0	7951.5	7968.8	7841.8
15°	5357.7	5406.8	5594.3	5963.6	6508.9	7152.3	7769.7	8222.7	8375.6	8266.0
17.5°	4919.2	4962.5	5103.8	5401.0	5969.4	6771.5	7749.5	8511.2	8860.3	8773.8
20°	4786.5	4824.0	4890.3	5098.1	5571.2	6376.2	7616.8	8782.4	9382.5	9333.5
22.5°	4927.8	4962.5	4982.7	5075.0	5372.2	6116.5	7449.5	9059.4	9988.4	9994.2
25°	5253.9	5288.5	5265.4	5323.1	5452.9	6035.7	7386.0	9385.4	10750.1	10813.6
27.5°	5790.5	5793.4	5738.6	5735.7	5755.9	6156.9	7452.4	9734.5	11710.8	11829.1
30°	6866.7	6823.4	6612.8	6384.8	6281.0	6520.4	7637.0	10147.1	12844.7	13055.3
32.5°	8525.6	8462.2	8075.5	7530.3	6982.1	7106.1	7968.8	10617.4	14079.6	14460.4
35°	10326.0	10308.7	9904.7	9094.0	8136.1	7939.9	8508.3	11234.8	15426.9	16032.8
37.5°	11999.4	11990.7	11759.9	10804.9	9639.3	9102.7	9373.9	12042.6	16869.5	17746.6
40°	13528.5	13554.5	13323.6	12469.6	11295.4	10594.3	10551.0	13040.9	18473.6	19613.3
42.5°	14849.9	14878.7	14645.0	14013.2	12931.3	12244.6	11996.5	14264.2	20040.3	21618.5
45°	15747.2	15926.1	15891.4	15386.5	14610.4	13897.8	13733.3	15799.1	21826.2	23744.8
47.5°	16001.1	16165.5	16425.2	16494.4	16021.3	15320.2	15516.4	17648.5	23632.3	25874.1
50°	15375.0	15527.9	16067.4	16785.8	17114.7	16898.3	17250.3	19630.6	25481.7	27997.5
52.5°	14140.1	14295.9	14976.8	16113.6	17455.2	18136.1	18990.1	21583.8	27273.4	30008.5
55°	12354.2	12518.7	13392.9	14679.7	16806.0	18646.8	20441.3	23534.2	28915.0	31817.5
57.5°	9924.9	10046.1	10954.9	12755.3	15173.0	18139.0	21511.7	25663.4	30461.5	33594.7
60°	6468.5	6575.3	7631.2	9639.3	12466.8	16442.5	21725.2	28037.9	32515.7	35905.7
62.5°	4301.8	4373.9	5000.0	6474.3	8779.5	13185.2	20475.9	29933.5	35527.8	39927.6
65°	2951.5	3023.6	3649.7	4676.8	5672.2	8721.8	16883.9	29682.5	38257.1	43121.5
67.5°	2106.2	2166.8	2697.6	3667.0	4105.6	5066.3	11445.4	26474.2	37864.8	43242.7
70°	1508.9	1543.6	1982.1	2856.3	3263.1	3043.8	6364.7	20248.0	33153.3	39930.5
72.5°	1056.0	1067.5	1376.2	2175.4	2628.4	2221.6	3029.4	13499.6	25074.9	31341.4
75°	715.5	729.9	926.1	1595.5	2109.0	1696.5	1604.1	7238.9	14720.1	17348.4
77.5°	438.5	444.3	597.2	1090.6	1578.2	1292.5	1032.9	3066.9	5695.3	5591.4
80°	248.1	248.1	380.8	678.0	1076.2	833.8	724.2	1304.1	1803.2	1583.9
82.5°	138.5	141.4	277.0	421.2	712.6	493.4	398.2	603.0	779.0	689.6
85°	57.7	63.5	170.2	199.1	340.4	245.2	161.6	253.9	288.5	256.8
87.5°	5.8	8.7	51.9	37.5	40.4	49.0	23.1	49.0	40.4	40.4
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°
6638.7	0°	6638.7	6638.7	6638.7	6638.7	6638.7	6638.7	6638.7	6638.7	6638.7	6638.7
6736.8	2.5°	6682.0	6638.7	6529.1	6402.2	6234.8	6154.0	6044.4	5969.4	5905.9	5911.7
6904.2	5°	6811.8	6702.2	6457.0	6151.1	5770.3	5499.1	5210.6	5011.5	4849.9	4815.3
7135.0	7.5°	6990.7	6817.6	6387.7	5836.7	5193.3	4705.7	4270.0	3990.2	3791.1	3727.6
7414.8	10°	7221.5	6970.5	6298.3	5441.4	4515.3	3895.0	3427.6	3208.3	3072.7	3026.5
7743.8	12.5°	7489.9	7146.5	6180.0	4959.6	3817.1	3219.8	2922.7	2813.0	2769.7	2755.3
8147.7	15°	7827.4	7365.8	6001.1	4388.3	3225.6	2807.3	2680.3	2665.9	2671.7	2665.9
8632.4	17.5°	8228.5	7605.3	5709.7	3799.7	2827.5	2596.6	2550.5	2562.0	2576.4	2573.6
9174.8	20°	8667.0	7841.8	5337.5	3277.5	2556.2	2446.6	2420.6	2432.2	2443.7	2438.0
9800.9	22.5°	9166.1	8095.7	4925.0	2870.7	2374.5	2308.1	2279.3	2282.2	2282.2	2270.6
10594.3	25°	9763.4	8375.6	4492.2	2582.2	2236.0	2184.1	2149.4	2137.9	2120.6	2086.0
11557.9	27.5°	10476.0	8672.8	4076.7	2380.3	2126.4	2077.3	2036.9	2008.1	1964.8	1907.1
12714.9	30°	11278.1	9033.4	3724.7	2253.3	2039.8	1990.8	1944.6	1901.3	1837.8	1765.7
14044.9	32.5°	12221.5	9420.0	3468.0	2169.6	1961.9	1910.0	1855.2	1803.2	1734.0	1661.8
15539.4	35°	13346.7	9887.4	3317.9	2111.9	1901.3	1832.1	1771.5	1713.8	1661.8	1598.4
17163.8	37.5°	14567.1	10383.7	3271.8	2083.1	1860.9	1754.2	1684.9	1644.5	1638.8	1601.3
18920.8	40°	15903.0	10972.2	3306.4	2065.8	1817.6	1679.2	1604.1	1595.5	1609.9	1543.6
20799.1	42.5°	17316.7	11670.4	3364.1	2045.6	1757.1	1604.1	1532.0	1532.0	1520.5	1428.2
22784.1	45°	18845.8	12475.4	3421.8	1996.5	1684.9	1529.1	1474.3	1454.1	1405.1	1315.6
24780.6	47.5°	20386.5	13294.8	3465.1	1907.1	1598.4	1465.7	1416.6	1370.4	1298.3	1217.5
26739.6	50°	21849.3	14030.5	3418.9	1774.4	1500.3	1405.1	1353.1	1289.7	1211.8	1156.9
28594.8	52.5°	23156.2	14668.1	3222.7	1618.6	1396.4	1341.6	1295.4	1229.1	1165.6	1107.9
30268.2	55°	24293.0	15184.6	2876.5	1471.4	1304.1	1286.8	1240.6	1156.9	1070.4	1021.3
31927.1	57.5°	25383.6	15576.9	2443.7	1350.3	1220.4	1226.2	1156.9	1081.9	1001.1	949.2
34163.1	60°	26834.8	16102.0	2005.2	1237.7	1131.0	1148.3	1073.3	1018.5	917.5	851.1
37997.5	62.5°	29154.5	16918.5	1592.6	1099.2	1027.1	1032.9	1001.1	934.8	813.6	735.7
40839.4	65°	30995.2	16618.5	1255.0	949.2	908.8	917.5	917.5	845.4	715.5	626.1
40992.3	67.5°	30787.5	14229.6	1001.1	802.1	796.3	802.1	822.3	761.7	634.7	562.6
37870.5	70°	28361.1	11318.5	802.1	666.5	692.4	678.0	735.7	695.3	571.3	499.1
29359.3	72.5°	23141.8	8153.4	611.7	551.1	530.9	553.9	663.6	626.1	476.1	395.3
15551.0	75°	13522.7	4350.8	455.9	435.7	383.7	461.6	588.6	533.8	363.5	291.4
4766.3	77.5°	4402.7	1517.6	334.7	320.3	285.6	372.2	502.0	450.1	297.2	230.8
1396.4	80°	1180.0	458.7	227.9	210.6	184.6	277.0	398.2	357.8	213.5	150.0
600.1	82.5°	473.2	193.3	132.7	118.3	101.0	190.4	314.5	288.5	158.7	95.2
187.5	85°	152.9	63.5	49.0	37.5	46.2	118.3	187.5	196.2	112.5	49.0
28.9	87.5°	20.2	8.7	8.7	11.5	8.7	20.2	57.7	54.8	31.7	5.8
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°
6638.7
5854.0
4737.4
3664.1
2991.9
2746.7
2663.0
2567.8
2435.1
2264.8
2080.2
1901.3
1759.9
1664.7
1592.6
1598.4
1546.4
1428.2
1312.7
1214.6
1148.3
1102.1
1015.6
943.4
842.5
729.9
617.4
551.1
490.5
386.6
282.7
222.2
147.1
95.2
37.5
0.0
0.0

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