

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: McGRAW-EDISON

Report Number: P953390

Luminaire Tested: **GALN-SB6D-950-U-T2R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953390  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6D-950-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

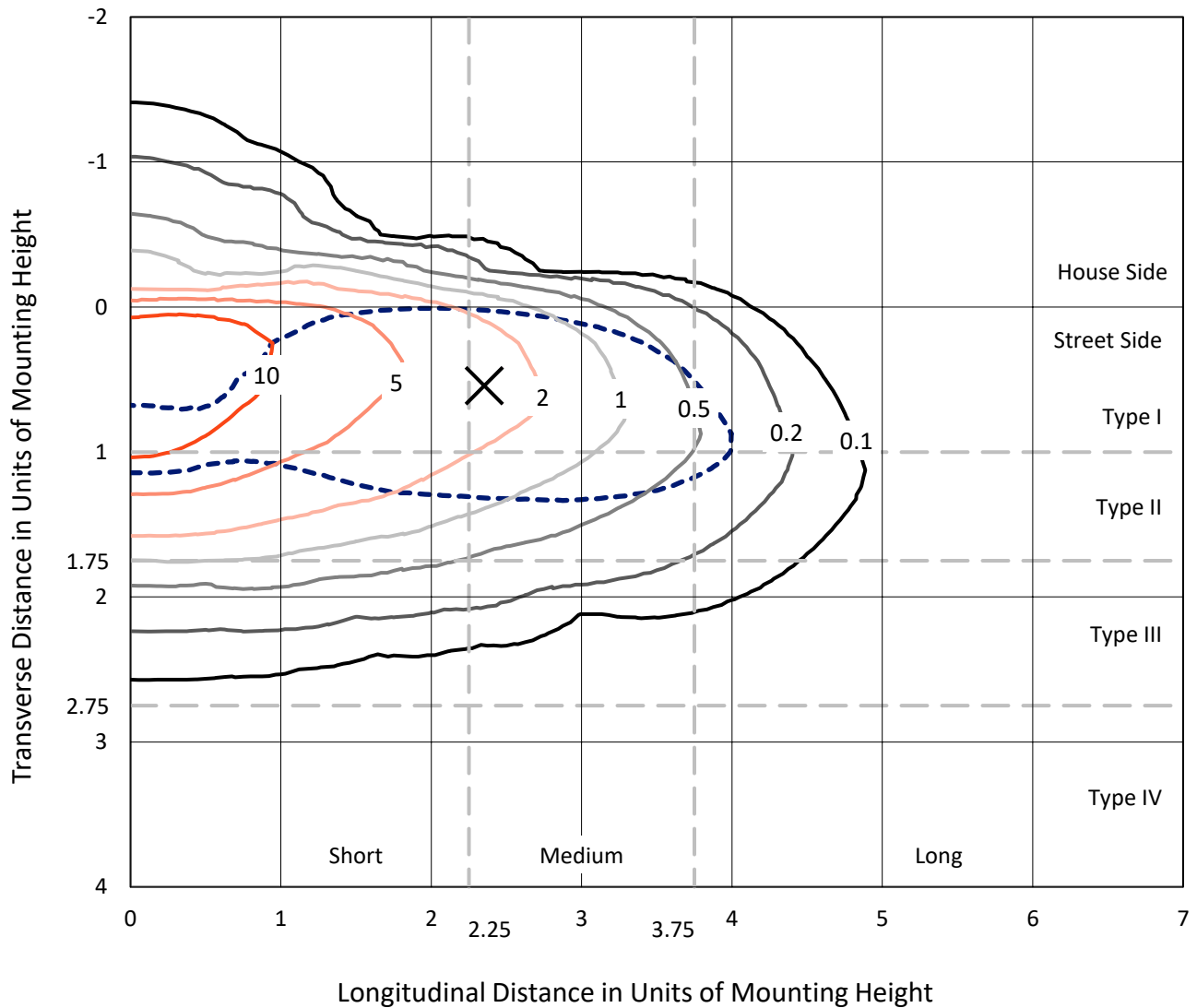
Lumens per Lamp: N/A  
Luminaire Lumens: 36346 lumens  
Efficiency: N/A  
Efficacy: 82.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

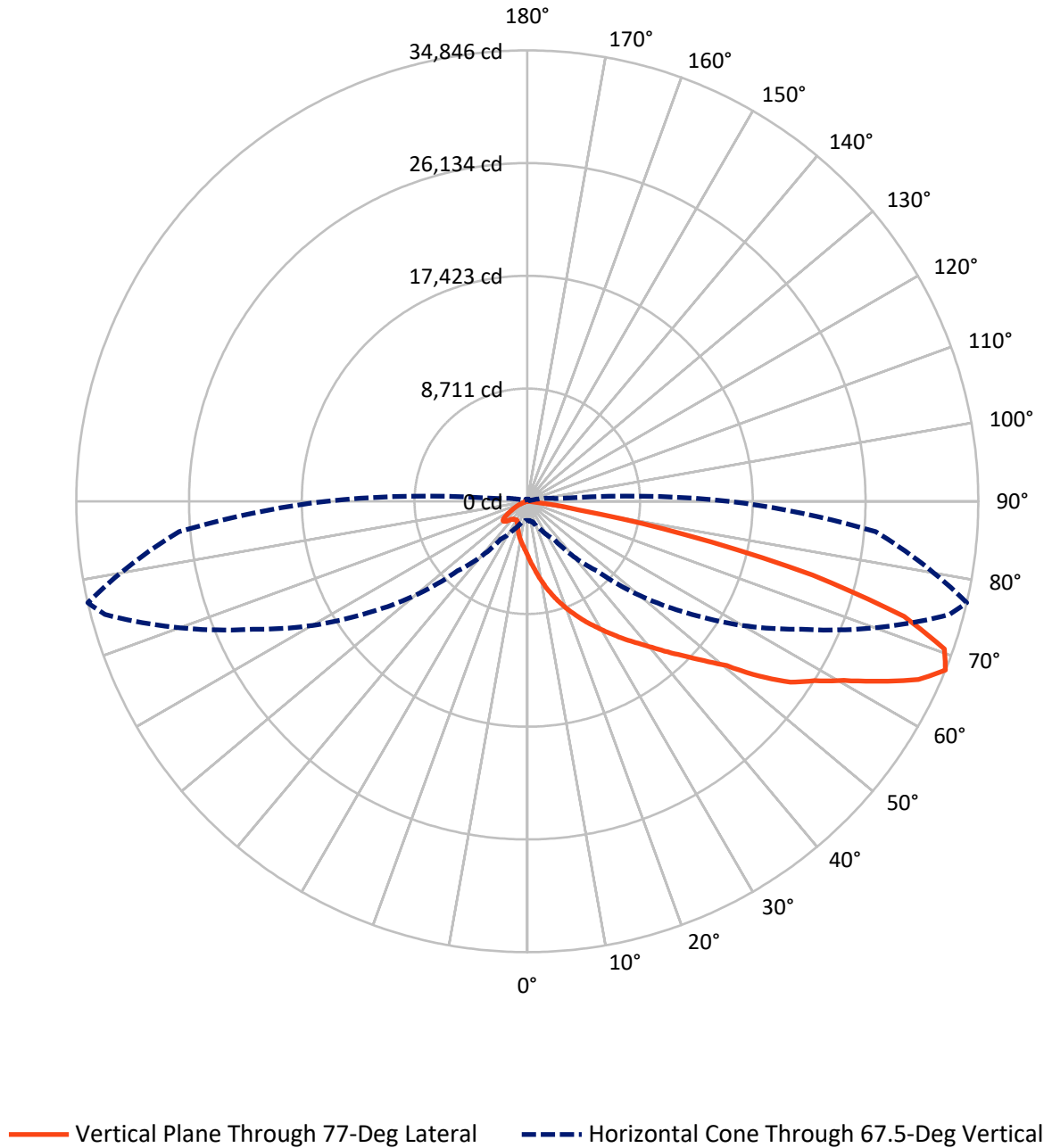
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.7 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2674.0	0.0	2674.0
	% Fixture	7.4	0.0	7.4
<b>Street Side</b>	Lumens	33672.0	0.0	33672.0
	% Fixture	92.6	0.0	92.6
<b>Total</b>	Lumens	36346.0	0.0	36346.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	427.8	1.2
10°-20°	1498.0	4.1
20°-30°	2890.8	8.0
30°-40°	5018.6	13.8
40°-50°	7286.8	20.0
50°-60°	8367.9	23.0
60°-70°	7264.9	20.0
70°-80°	3421.9	9.4
80°-90°	169.2	0.5
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°	36346.0	100.0
0°-180°	36346.0	100.0

**Coefficient of Utilization**



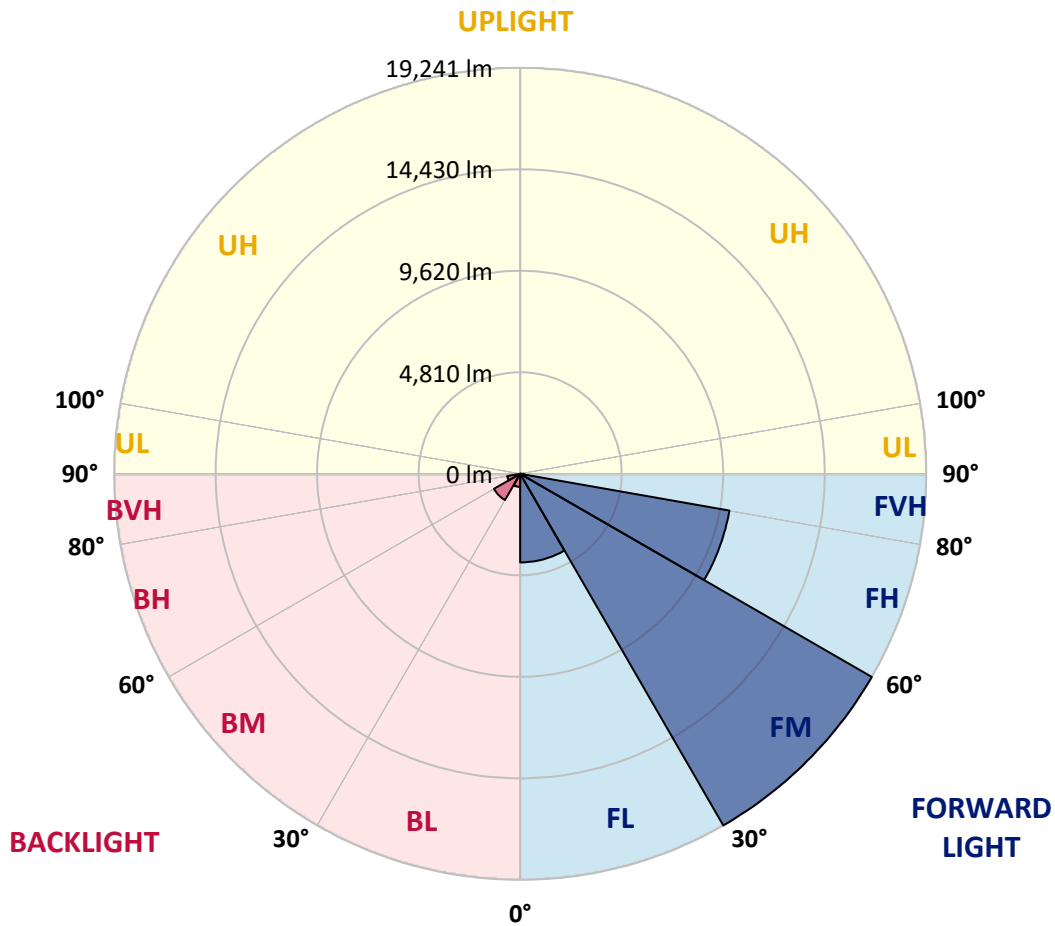
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4197.6	11.5			
FM (30°-60°)	19240.6	52.9			
FH (60°-80°)	10067.7	27.7			G4/12000
FVH (80°-90°)	166.1	0.5			G2/225
BL (0°-30°)	619.1	1.7	B2/1000		
BM (30°-60°)	1432.8	3.9	B2/2500		
BH (60°-80°)	619.1	1.7	B2/1000		G2/1000
BVH (80°-90°)	3.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	4191.2	4191.2	4191.2	4191.2	4191.2	4191.2	4191.2	4191.2	4191.2	4191.2
2.5°	5802.7	5838.8	5786.9	5687.6	5538.7	5441.6	5204.6	4981.2	4732.9	4653.9
5°	7073.4	7105.0	7046.3	6938.0	6739.4	6549.8	6238.3	5771.1	5285.9	5130.1
7.5°	8014.6	8032.6	8010.1	7910.7	7721.2	7506.7	7159.2	6606.2	5886.2	5714.7
10°	8691.7	8750.3	8743.6	8705.2	8578.8	8405.0	8034.9	7405.2	6558.8	6337.6
12.5°	9140.8	9206.3	9244.6	9330.4	9323.6	9213.0	8888.0	8222.2	7229.1	6969.6
15°	9271.7	9341.7	9488.4	9687.0	9863.0	9919.5	9691.5	9023.4	7967.2	7635.4
17.5°	9197.2	9305.6	9481.6	9795.3	10181.3	10436.3	10411.5	9797.6	8637.5	8258.3
20°	9362.0	9465.8	9603.5	9867.6	10316.7	10779.4	10964.5	10537.9	9303.3	8906.1
22.5°	10273.8	10255.8	10269.3	10312.2	10580.8	11038.9	11420.4	11210.5	9962.3	9556.1
25°	11718.3	11637.0	11499.4	11266.9	11199.2	11420.4	11817.6	11806.3	10657.5	10221.9
27.5°	13374.9	13361.4	13038.6	12478.9	12162.9	12077.1	12266.7	12386.4	11345.9	10880.9
30°	14961.6	14997.7	14562.1	13939.2	13359.1	13022.8	12851.3	12937.1	12045.5	11591.9
32.5°	16342.9	16381.2	15907.3	15178.2	14460.5	14054.3	13693.2	13481.0	12808.4	12314.1
35°	17509.7	17548.1	17004.2	16198.4	15433.3	15065.4	14656.9	14076.8	13575.8	13115.4
37.5°	18552.4	18541.2	17812.2	16999.6	16248.1	15956.9	15742.5	14810.4	14365.7	13921.1
40°	19168.6	19216.0	18593.1	17697.0	16968.0	16755.9	16742.3	15719.9	15277.6	14846.5
42.5°	19349.2	19432.7	18981.3	18245.5	17584.2	17354.0	17708.3	16704.0	16338.3	15918.5
45°	19024.2	19105.4	18900.0	18389.9	18004.0	17855.0	18538.9	17724.1	17471.3	17056.1
47.5°	18076.2	18177.8	18227.4	18119.1	18114.6	18265.8	19283.7	18798.5	18816.5	18392.2
50°	16241.3	16412.8	16868.7	17252.4	17846.0	18590.8	20008.2	19963.1	20333.2	19967.6
52.5°	12905.5	13149.2	14720.1	15769.6	17103.5	18529.9	20804.9	21831.9	22994.2	22459.3
55°	10370.9	10370.9	11648.3	13611.9	15654.5	18128.1	21152.5	23046.1	24806.6	24680.2
57.5°	8454.7	8556.2	9371.0	11106.6	13557.7	17171.2	21366.9	23809.0	26266.8	26174.3
60°	5218.2	5437.1	6976.4	8689.4	11172.1	15467.1	21231.5	24580.9	28038.6	28113.1
62.5°	2938.6	3019.9	3706.0	6251.9	8687.1	13176.3	20195.5	25011.9	30304.6	30620.6
65°	2029.0	2069.7	2333.7	3891.0	6021.6	10490.5	18171.0	24743.4	32575.1	33213.8
67.5°	1473.8	1494.1	1658.9	2376.6	3572.8	7606.1	14997.7	23389.2	33778.1	34845.6
70°	1133.0	1146.6	1266.2	1561.8	2110.3	4694.5	10892.2	20696.6	32906.9	34182.1
72.5°	920.9	934.4	1026.9	1155.6	1399.3	2776.1	6601.7	16807.8	29061.0	30437.7
75°	776.4	794.5	878.0	961.5	1096.9	1783.0	3096.6	11704.7	21854.4	22757.2
77.5°	431.1	397.2	713.2	796.7	925.4	1128.5	1449.0	6888.3	12239.6	12490.2
80°	268.6	277.6	566.5	641.0	711.0	568.8	663.6	2652.0	4243.1	4031.0
82.5°	15.8	36.1	435.6	462.7	487.5	243.8	250.5	900.5	1022.4	938.9
85°	0.0	0.0	198.6	160.2	169.3	70.0	72.2	209.9	137.7	149.0
87.5°	0.0	0.0	0.0	4.5	0.0	6.8	13.5	18.1	6.8	9.0
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°
4191.2	0°	4191.2	4191.2	4191.2	4191.2	4191.2	4191.2	4191.2	4191.2	4191.2	4191.2
4405.6	2.5°	4247.7	4089.7	3769.2	3455.4	3200.4	2963.4	2794.2	2633.9	2552.7	2548.1
4690.0	5°	4376.3	4044.5	3403.5	2837.0	2381.1	2015.5	1778.5	1609.2	1523.5	1494.1
5039.9	7.5°	4556.9	4058.1	3083.0	2295.4	1758.2	1444.5	1309.1	1254.9	1236.8	1216.5
5434.8	10°	4784.8	4089.7	2796.4	1848.5	1385.8	1227.8	1173.6	1151.1	1137.5	1124.0
5879.5	12.5°	5039.9	4119.0	2512.0	1534.8	1218.8	1137.5	1099.2	1072.1	1054.0	1038.2
6335.4	15°	5288.1	4137.1	2216.4	1315.8	1133.0	1067.6	1026.9	997.6	972.8	954.7
6782.3	17.5°	5534.1	4161.9	1938.8	1184.9	1063.0	997.6	957.0	920.9	900.5	880.2
7251.7	20°	5807.2	4157.4	1676.9	1092.4	993.1	927.6	884.7	850.9	830.6	808.0
7748.2	22.5°	6060.0	4134.8	1446.7	1013.4	920.9	857.7	810.3	776.4	756.1	738.0
8256.1	25°	6351.2	4116.7	1254.9	941.2	853.1	789.9	738.0	706.4	683.9	668.1
8766.1	27.5°	6631.0	4089.7	1115.0	875.7	787.7	726.8	677.1	641.0	620.7	609.4
9292.0	30°	6906.4	4082.9	1063.0	812.5	729.0	668.1	618.4	584.6	568.8	564.2
9869.8	32.5°	7238.2	4100.9	1085.6	789.9	674.8	613.9	566.5	541.7	525.9	525.9
10513.1	35°	7592.5	4096.4	1119.5	810.3	638.7	559.7	523.6	507.8	492.0	492.0
11226.3	37.5°	8037.1	4103.2	1146.6	844.1	625.2	514.6	494.3	474.0	464.9	464.9
12007.2	40°	8700.7	4326.6	1133.0	873.5	620.7	483.0	442.4	435.6	428.8	428.8
12889.7	42.5°	9513.2	4811.9	1151.1	875.7	618.4	460.4	406.3	419.8	404.0	401.7
13885.0	45°	10402.5	5342.3	1266.2	828.3	616.2	449.1	388.2	404.0	379.2	379.2
15038.3	47.5°	11284.9	5868.2	1383.5	760.6	609.4	446.9	372.4	363.4	356.6	358.9
16541.5	50°	12501.5	6297.0	1428.7	668.1	593.6	442.4	343.1	345.3	340.8	345.3
18660.8	52.5°	13826.3	6387.3	1374.5	564.2	548.4	428.8	322.7	331.8	329.5	334.0
20152.7	55°	14652.4	6290.2	1135.3	469.5	478.5	374.7	302.4	320.5	320.5	320.5
21610.7	57.5°	15505.5	5877.2	805.7	381.4	397.2	307.0	284.4	309.2	307.0	304.7
23366.6	60°	16119.4	5209.1	530.4	313.7	316.0	252.8	264.1	291.2	288.9	277.6
25176.7	62.5°	16577.6	4471.1	340.8	266.3	241.5	228.0	241.5	264.1	255.0	230.2
26711.5	65°	16525.7	3448.7	261.8	228.0	198.6	198.6	209.9	230.2	203.1	162.5
27004.9	67.5°	15561.9	2333.7	216.7	191.8	167.0	164.8	173.8	191.8	173.8	137.7
25501.7	70°	13839.9	1525.7	173.8	149.0	133.2	121.9	139.9	164.8	146.7	110.6
21710.0	72.5°	11233.0	929.9	130.9	108.3	97.1	79.0	110.6	135.4	117.4	81.3
15097.0	75°	7267.5	474.0	90.3	70.0	51.9	47.4	81.3	101.6	81.3	49.7
6698.7	77.5°	2780.6	198.6	49.7	31.6	27.1	22.6	45.1	60.9	33.9	11.3
1297.8	80°	534.9	83.5	24.8	15.8	13.5	9.0	6.8	4.5	0.0	0.0
230.2	82.5°	92.5	27.1	9.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0
45.1	85°	31.6	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.8	87.5°	11.3	0.0	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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<u>180°</u>
4191.2
2543.6
1489.6
1212.0
1119.5
1033.7
952.4
878.0
805.7
735.8
665.8
609.4
562.0
525.9
492.0
464.9
428.8
399.5
379.2
358.9
345.3
334.0
320.5
304.7
277.6
225.7
158.0
133.2
106.1
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