

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: P942748

Luminaire Tested: **GALN-SB6D-927-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942748
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6D-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28439 lumens
Efficiency: N/A
Efficacy: 64.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

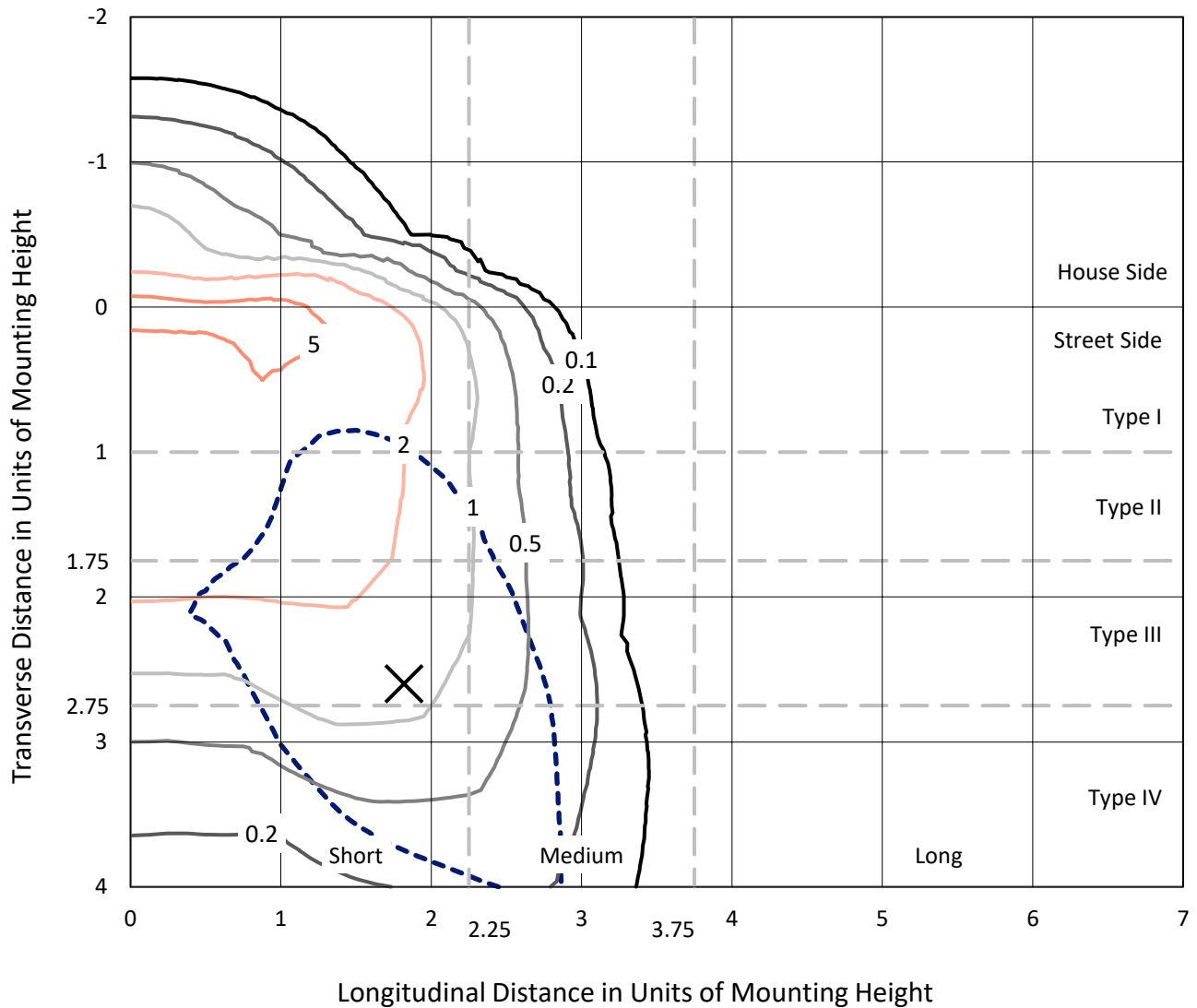
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

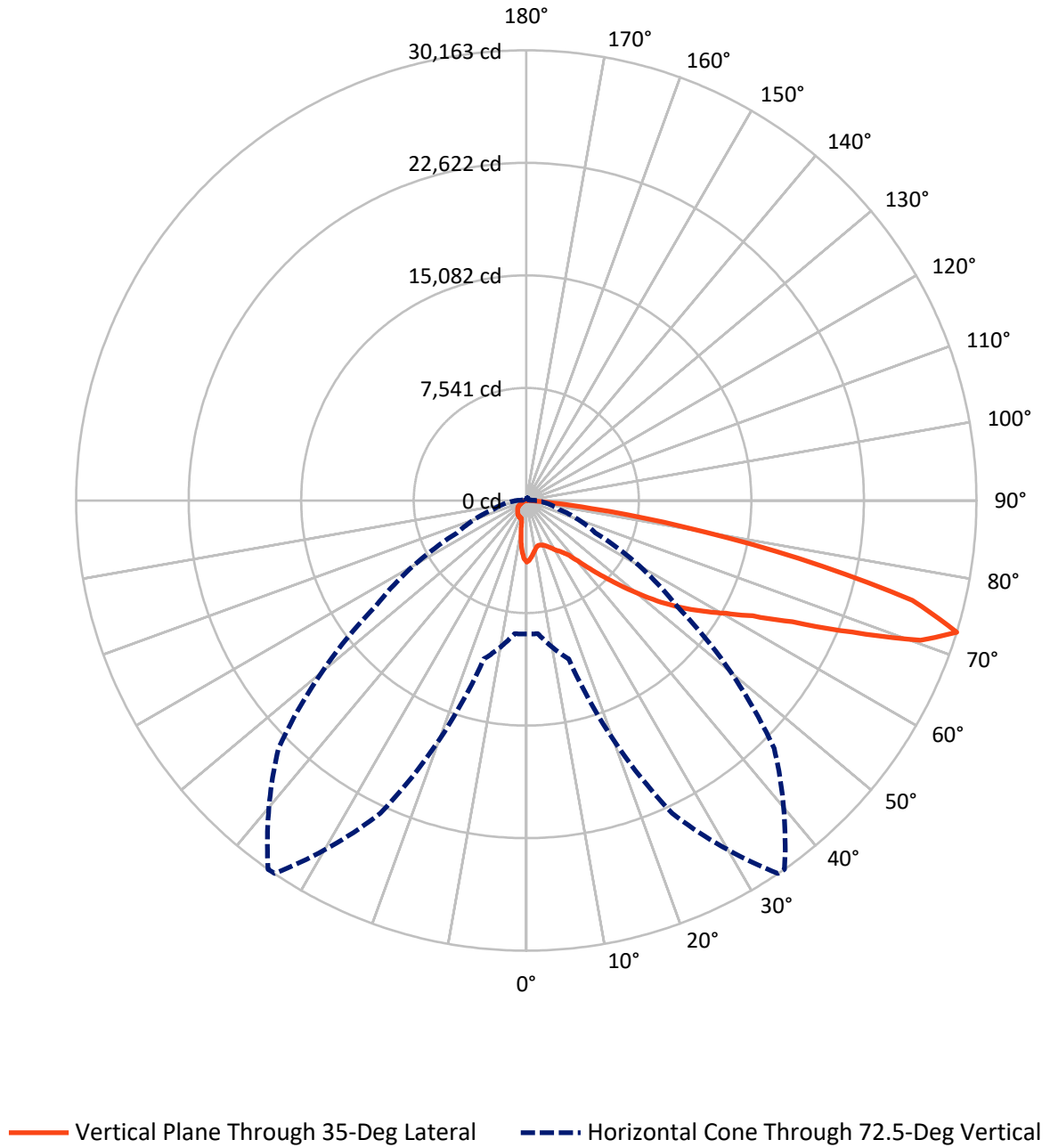
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3200.7	0.0	3200.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	25238.3	0.0	25238.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	28439.0	0.0	28439.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.7	1.2
10°-20°	792.3	2.8
20°-30°	1287.1	4.5
30°-40°	2147.6	7.6
40°-50°	4063.3	14.3
50°-60°	6456.6	22.7
60°-70°	7987.2	28.1
70°-80°	4964.9	17.5
80°-90°	401.2	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°	28439.0	100.0
0°-180°	28439.0	100.0

Coefficient of Utilization



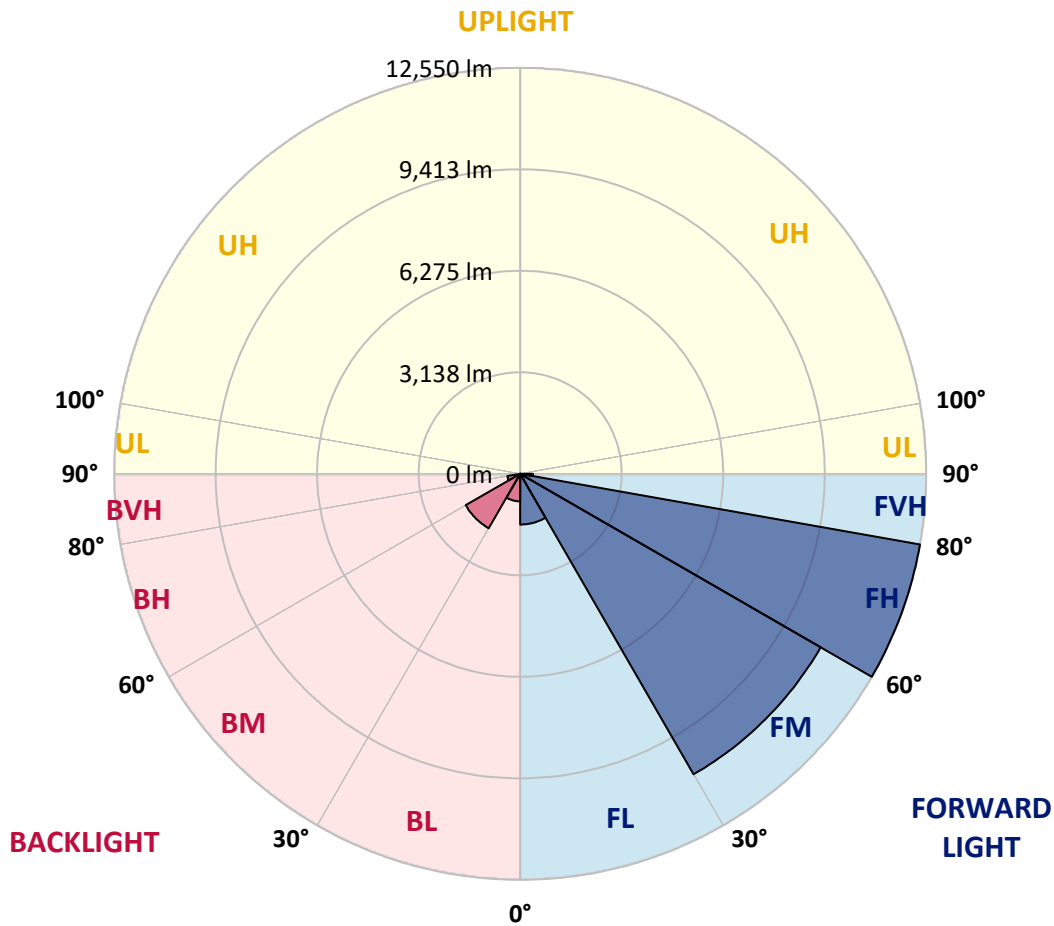
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1567.7	5.5			
FM (30°-60°)	10724.3	37.7			
FH (60°-80°)	12550.5	44.1			G5
FVH (80°-90°)	395.8	1.4			G3/500
BL (0°-30°)	850.5	3.0	B2/1000		
BM (30°-60°)	1943.1	6.8	B2/2500		
BH (60°-80°)	401.6	1.4	B1/500		G1/500
BVH (80°-90°)	5.5	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-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8
2.5°	3938.4	3971.7	3978.0	3988.4	3988.4	4000.9	4021.7	4050.9	4098.8	4123.8
5°	3630.0	3655.0	3686.2	3711.3	3759.2	3765.4	3846.7	3925.9	4036.3	4119.7
7.5°	3319.5	3348.7	3390.3	3450.8	3513.3	3532.0	3655.0	3788.4	3963.4	4119.7
10°	3100.7	3102.8	3140.3	3200.7	3300.7	3323.7	3473.7	3663.3	3882.1	4094.7
12.5°	2977.8	2992.3	3009.0	3054.9	3150.7	3165.3	3325.8	3548.7	3800.9	4080.1
15°	2977.8	2988.2	2998.6	3021.5	3098.6	3111.1	3252.8	3475.8	3759.2	4086.3
17.5°	3009.0	3025.7	3017.3	3044.4	3125.7	3134.0	3259.1	3454.9	3757.1	4125.9
20°	3084.0	3096.5	3079.9	3096.5	3177.8	3194.5	3323.7	3494.5	3792.5	4194.7
22.5°	3202.8	3209.1	3169.5	3182.0	3265.3	3286.2	3436.2	3607.1	3878.0	4305.1
25°	3352.8	3365.3	3304.9	3319.5	3398.7	3423.7	3596.6	3775.9	4013.4	4457.3
27.5°	3525.8	3532.0	3480.0	3477.9	3580.0	3615.4	3790.4	3984.2	4194.7	4649.0
30°	3723.8	3742.5	3692.5	3684.2	3813.4	3842.5	4015.5	4240.5	4461.4	4936.5
32.5°	3880.0	3894.6	3865.5	3886.3	4017.6	4040.5	4288.5	4603.1	4880.3	5345.0
35°	4105.1	4113.4	4046.7	4084.3	4234.3	4292.6	4661.5	5111.6	5407.5	5857.6
37.5°	4919.9	4919.9	4636.5	4451.0	4594.8	4646.9	5172.0	5751.3	6057.6	6545.2
40°	6047.2	6028.4	5613.8	5234.5	5215.8	5317.9	5899.2	6557.7	6897.4	7370.4
42.5°	7249.6	7220.4	6655.7	6280.6	6218.1	6253.5	6739.0	7551.7	7897.6	8376.9
45°	8316.5	8308.1	7791.3	7287.1	7174.5	7287.1	7787.2	8714.5	8962.4	9466.7
47.5°	9210.4	9210.4	8833.2	8504.0	8445.7	8512.3	9206.2	10004.3	9981.4	10627.4
50°	10239.8	10231.5	9873.1	9731.4	9791.8	9885.6	10839.9	11363.0	11035.8	11767.2
52.5°	10960.8	11010.8	10887.9	10865.0	11173.4	11335.9	12498.7	12692.5	11979.8	12848.7
55°	11531.8	11590.1	11731.8	11892.3	12486.2	12698.7	14105.3	13953.2	12769.6	13786.4
57.5°	12340.3	12256.9	12475.7	12792.5	13753.1	14009.4	15661.9	15143.0	13405.1	14547.0
60°	13321.8	13334.3	13371.8	13771.9	15018.0	15347.2	17195.6	16268.3	13813.5	15013.8
62.5°	14501.2	14519.9	14597.0	15211.8	16716.3	17026.8	18829.3	17189.3	14001.1	14882.5
65°	14419.9	14499.1	15359.7	17462.3	19298.1	19604.4	20735.9	17835.3	13717.7	13682.3
67.5°	13136.3	13265.5	14705.4	20150.4	23190.7	23532.4	23040.6	17962.4	12494.5	10639.9
70°	11452.6	11498.4	13230.1	22567.6	27697.9	28043.8	25103.6	16564.2	9481.3	5934.7
72.5°	8943.7	8954.1	10985.8	23128.1	30144.3	30163.1	23484.5	12296.5	5099.1	2279.7
75°	6388.9	6326.4	7357.9	18756.3	26520.6	26733.1	17606.1	5768.0	1948.4	1077.3
77.5°	3425.8	3494.5	4163.4	11123.3	18320.8	18683.4	9606.3	1662.9	991.9	733.5
80°	1058.6	1116.9	1706.6	5092.8	10377.3	10596.1	3561.2	739.8	691.8	523.0
82.5°	333.4	345.9	796.0	2140.1	4307.2	4407.2	1031.5	418.8	473.0	345.9
85°	95.9	97.9	354.2	798.1	1064.8	1085.7	289.6	162.5	270.9	214.6
87.5°	10.4	33.3	133.4	133.4	93.8	91.7	31.3	35.4	77.1	27.1
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°
4121.8	0°	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8
4140.5	2.5°	4130.1	4132.2	4105.1	4059.3	4009.2	3967.6	3915.5	3873.8	3844.6	3836.3
4178.0	5°	4159.3	4144.7	4067.6	3928.0	3761.3	3617.5	3457.0	3329.9	3246.6	3211.1
4217.6	7.5°	4203.0	4161.4	3992.6	3717.5	3398.7	3115.3	2827.7	2604.8	2463.1	2392.2
4255.1	10°	4240.5	4157.2	3867.5	3413.3	2925.7	2496.4	2108.8	1840.0	1690.0	1619.1
4298.9	12.5°	4276.0	4155.1	3705.0	3052.8	2392.2	1867.1	1506.6	1373.2	1331.6	1317.0
4369.7	15°	4342.6	4161.4	3500.8	2640.2	1860.8	1410.7	1279.5	1277.4	1285.7	1281.5
4478.1	17.5°	4434.3	4167.6	3269.5	2202.6	1435.7	1244.0	1237.8	1256.5	1269.0	1262.8
4613.5	20°	4553.1	4192.6	3023.6	1769.1	1233.6	1202.4	1216.9	1233.6	1244.0	1233.6
4794.8	22.5°	4719.8	4236.4	2754.8	1421.2	1169.0	1177.3	1189.9	1208.6	1219.0	1204.4
5026.1	25°	4924.0	4305.1	2490.1	1235.7	1137.8	1148.2	1166.9	1187.8	1200.3	1185.7
5317.9	27.5°	5188.7	4415.6	2246.3	1194.0	1106.5	1112.8	1139.8	1171.1	1187.8	1169.0
5732.5	30°	5572.1	4596.9	2035.9	1212.8	1087.7	1073.2	1110.7	1154.4	1173.2	1156.5
6297.3	32.5°	6080.5	4853.2	1906.7	1241.9	1079.4	1027.3	1062.7	1119.0	1150.3	1139.8
7034.9	35°	6747.4	5242.9	1856.7	1275.3	1073.2	979.4	1004.4	1064.8	1119.0	1129.4
7964.3	37.5°	7555.9	5784.6	1871.3	1289.9	1054.4	939.8	952.3	1004.4	1075.2	1108.6
9010.4	40°	8474.8	6416.0	1954.6	1275.3	1033.6	906.5	908.5	948.1	1010.6	1060.7
10135.6	42.5°	9423.0	7153.7	2108.8	1221.1	1014.8	877.3	871.0	898.1	939.8	975.2
11258.8	45°	10325.2	7912.2	2260.9	1146.1	991.9	848.1	833.5	843.9	852.3	866.9
12352.8	47.5°	11112.9	8445.7	2217.2	1077.3	960.6	814.8	789.8	785.6	760.6	758.5
13330.1	50°	11656.8	8562.4	1969.2	1008.6	914.8	777.3	737.7	712.7	668.9	648.1
14061.5	52.5°	11829.8	8101.8	1608.7	939.8	839.8	727.2	671.0	631.4	577.2	558.5
14482.4	55°	11600.5	7199.5	1285.7	856.4	735.6	660.6	598.1	546.0	502.2	479.3
14528.3	57.5°	11040.0	6051.4	1016.9	758.5	625.1	585.5	523.0	470.9	433.4	410.5
14019.8	60°	10110.6	4805.3	804.3	641.8	533.5	504.3	439.7	406.3	373.0	345.9
12707.0	62.5°	8699.9	3429.9	631.4	508.4	445.9	412.6	375.1	350.1	310.5	273.0
10346.1	65°	6789.0	2098.4	487.6	373.0	358.4	341.7	318.8	295.9	248.0	210.5
6749.4	67.5°	4282.2	994.0	348.0	281.3	283.4	275.1	264.6	245.9	210.5	177.1
3023.6	70°	1885.8	481.4	229.2	214.6	210.5	210.5	218.8	212.5	179.2	148.0
1050.2	72.5°	641.8	258.4	170.9	162.5	152.1	150.0	183.4	177.1	143.8	114.6
523.0	75°	335.5	173.0	125.0	116.7	91.7	110.4	145.9	137.5	102.1	75.0
345.9	77.5°	218.8	122.9	85.4	75.0	52.1	72.9	108.4	95.9	60.4	37.5
227.1	80°	137.5	81.3	50.0	35.4	25.0	39.6	58.3	41.7	22.9	8.3
133.4	82.5°	72.9	41.7	18.8	12.5	10.4	12.5	14.6	10.4	4.2	0.0
68.8	85°	29.2	14.6	6.3	4.2	2.1	0.0	4.2	2.1	0.0	0.0
12.5	87.5°	10.4	2.1	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>
4121.8
3850.9
3223.6
2402.6
1621.2
1312.8
1279.5
1260.7
1231.5
1202.4
1183.6
1169.0
1154.4
1139.8
1129.4
1116.9
1077.3
989.8
875.2
756.4
650.1
556.4
479.3
406.3
339.7
266.7
204.2
173.0
141.7
108.4
68.8
33.3
6.3
0.0
0.0
0.0
0.0

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