

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: P952424

Luminaire Tested: **GALN-SB6B-740-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952424
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-SB6B-740-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 450mA 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: 30588 lumens
Efficiency: N/A
Efficacy: 138.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G4

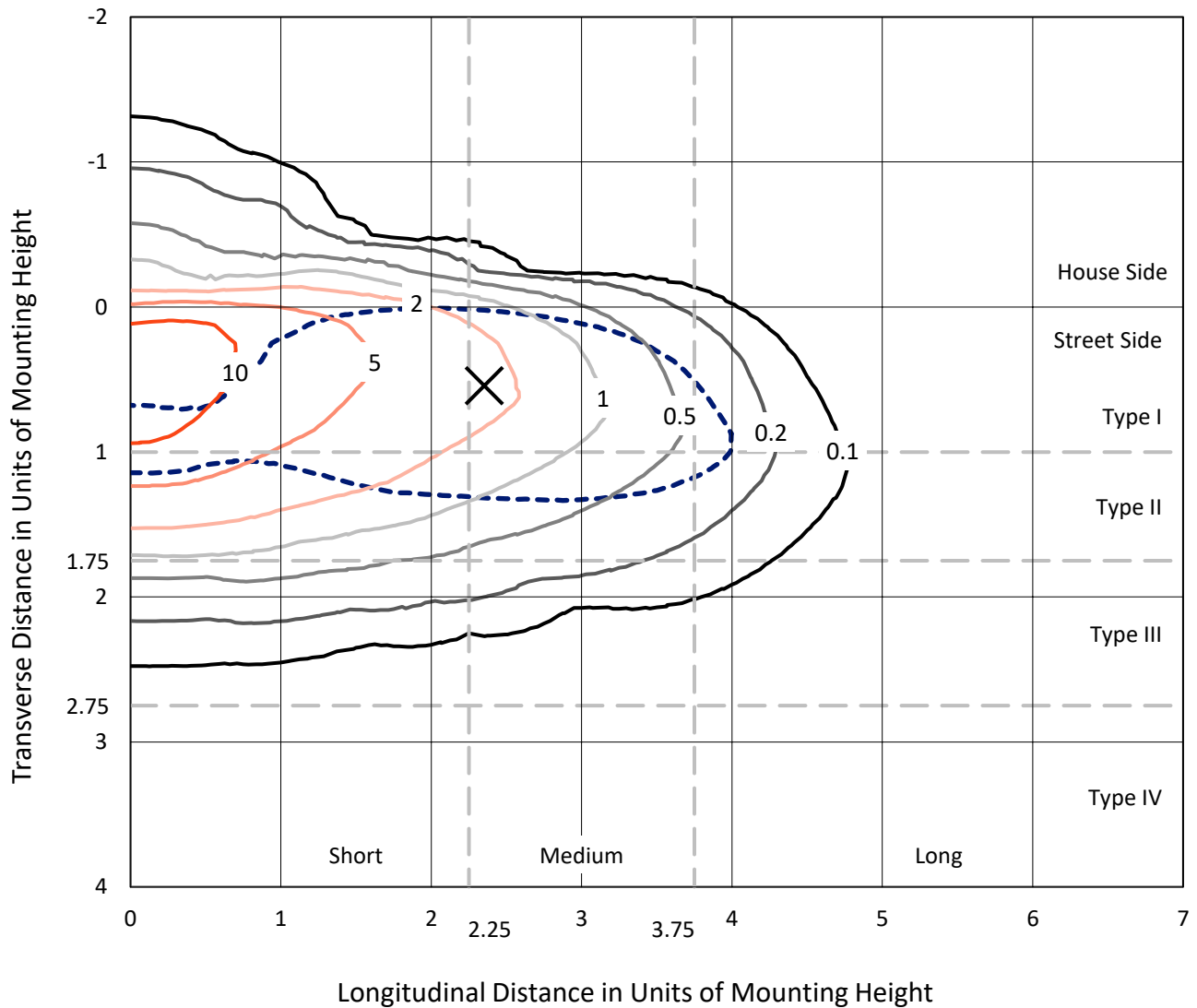
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

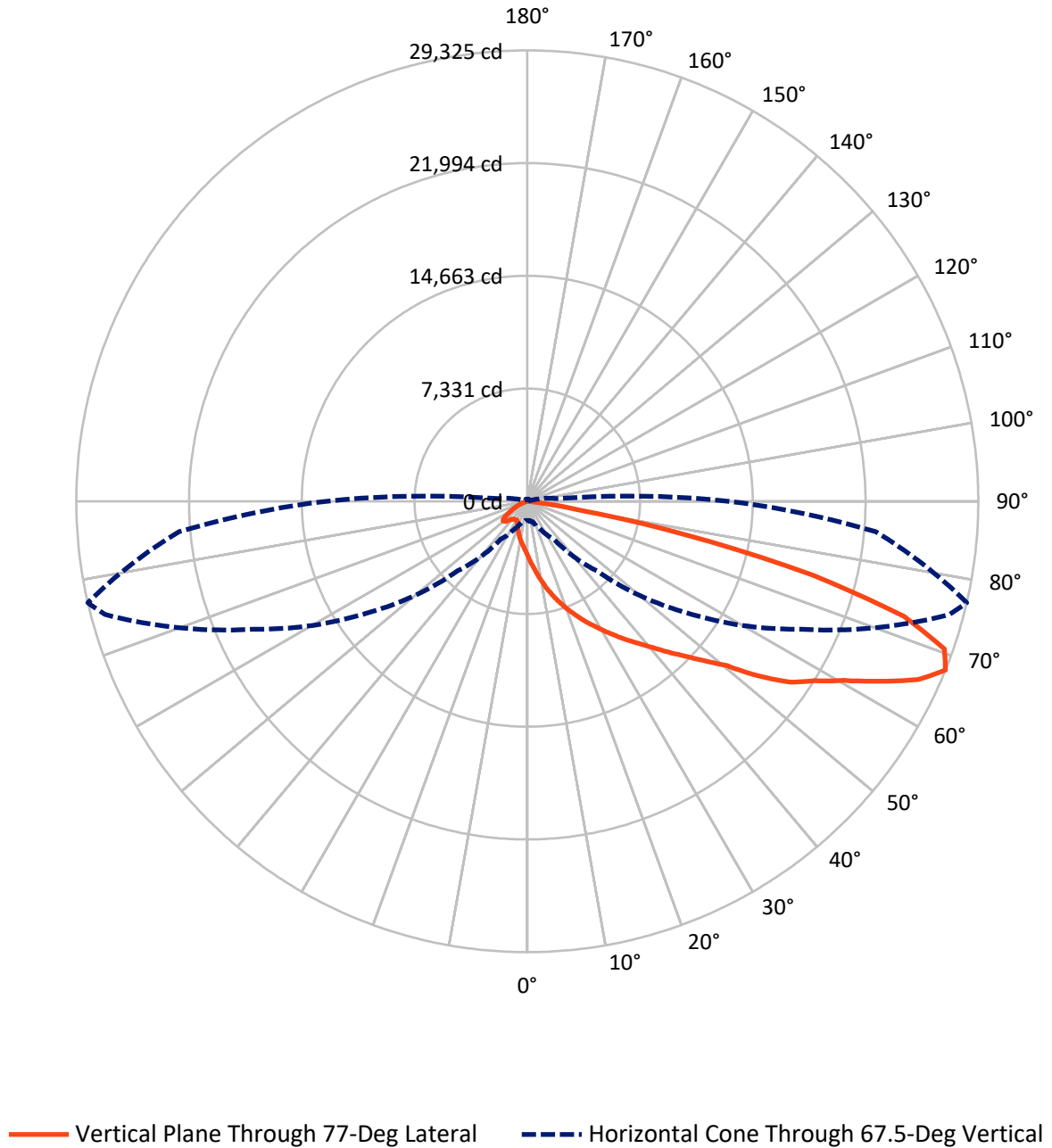
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2250.4	0.0	2250.4
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	28337.6	0.0	28337.6
	% Fixture	92.6	0.0	92.6
Total	Lumens	30588.0	0.0	30588.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.0	1.2
10°-20°	1260.7	4.1
20°-30°	2432.8	8.0
30°-40°	4223.6	13.8
40°-50°	6132.4	20.0
50°-60°	7042.3	23.0
60°-70°	6114.0	20.0
70°-80°	2879.8	9.4
80°-90°	142.4	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°	30588.0	100.0
0°-180°	30588.0	100.0

Coefficient of Utilization



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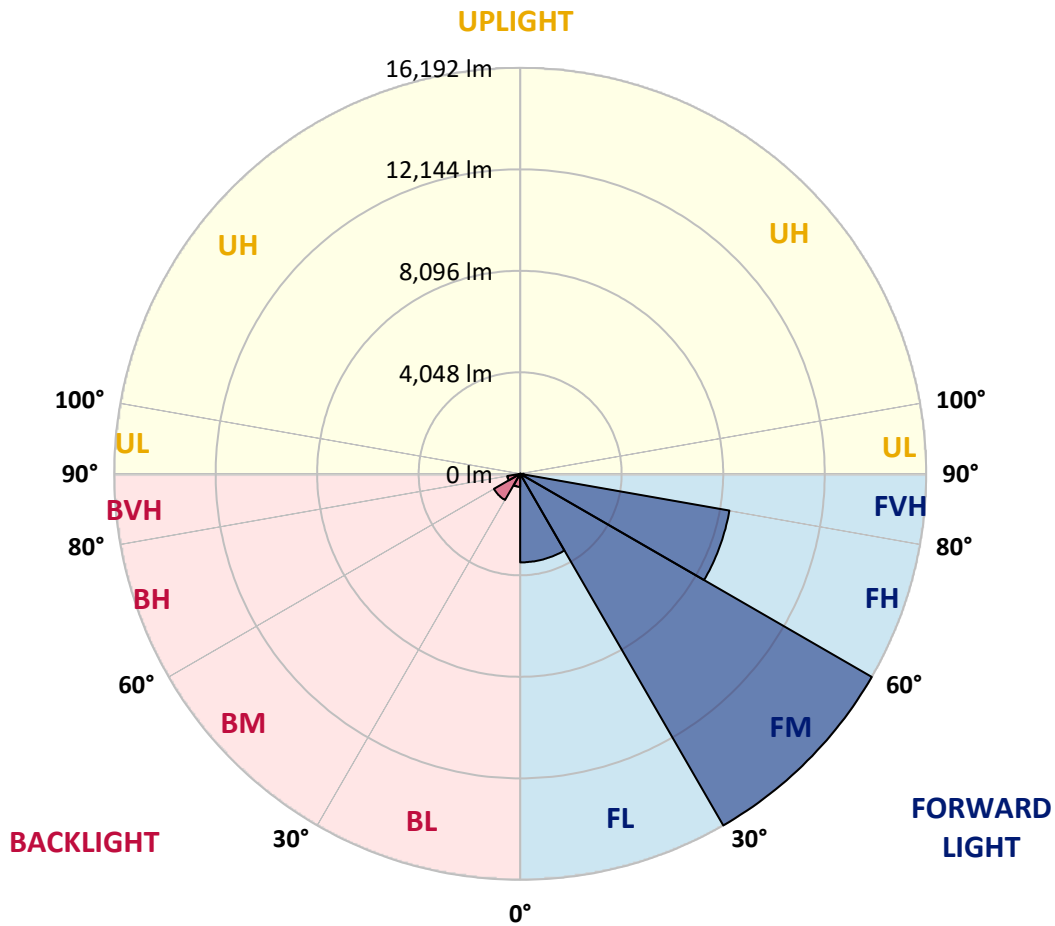
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3532.6	11.5			
FM (30°-60°)	16192.5	52.9			
FH (60°-80°)	8472.8	27.7			G4/12000
FVH (80°-90°)	139.8	0.5			G2/225
BL (0°-30°)	521.0	1.7	B2/1000		
BM (30°-60°)	1205.8	3.9	B2/2500		
BH (60°-80°)	521.0	1.7	B2/1000		G2/1000
BVH (80°-90°)	2.6	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°	3527.2	3527.2	3527.2	3527.2	3527.2	3527.2	3527.2	3527.2	3527.2	3527.2
2.5°	4883.4	4913.8	4870.1	4786.6	4661.2	4579.5	4380.1	4192.0	3983.1	3916.6
5°	5952.8	5979.4	5930.0	5838.9	5671.7	5512.2	5250.0	4856.8	4448.5	4317.4
7.5°	6744.9	6760.1	6741.1	6657.5	6498.0	6317.5	6025.0	5559.6	4953.7	4809.4
10°	7314.7	7364.1	7358.4	7326.1	7219.7	7073.5	6762.0	6232.0	5519.8	5333.6
12.5°	7692.7	7747.8	7780.1	7852.3	7846.6	7753.5	7480.0	6919.6	6083.9	5865.4
15°	7802.9	7861.8	7985.2	8152.4	8300.5	8348.0	8156.2	7593.9	6705.0	6425.8
17.5°	7740.2	7831.4	7979.5	8243.5	8568.3	8783.0	8762.1	8245.4	7269.1	6950.0
20°	7878.8	7966.2	8082.1	8304.3	8682.3	9071.7	9227.4	8868.5	7829.5	7495.2
22.5°	8646.2	8631.0	8642.4	8678.5	8904.5	9290.1	9611.1	9434.5	8384.1	8042.2
25°	9861.9	9793.5	9677.6	9482.0	9425.0	9611.1	9945.4	9935.9	8969.1	8602.5
27.5°	11256.0	11244.6	10973.0	10502.0	10236.0	10163.9	10323.4	10424.1	9548.4	9157.2
30°	12591.3	12621.7	12255.1	11730.9	11242.7	10959.7	10815.4	10887.5	10137.3	9755.5
32.5°	13753.8	13786.1	13387.2	12773.7	12169.7	11827.8	11523.9	11345.3	10779.3	10363.3
35°	14735.8	14768.1	14310.3	13632.2	12988.3	12678.7	12334.9	11846.8	11425.1	11037.6
37.5°	15613.3	15603.8	14990.3	14306.5	13674.0	13429.0	13248.5	12464.1	12089.9	11715.7
40°	16131.9	16171.8	15647.5	14893.4	14279.9	14101.4	14090.0	13229.5	12857.3	12494.5
42.5°	16283.8	16354.1	15974.2	15355.0	14798.5	14604.7	14902.9	14057.7	13750.0	13396.7
45°	16010.3	16078.7	15905.8	15476.6	15151.8	15026.4	15601.9	14916.2	14703.5	14354.0
47.5°	15212.6	15298.0	15339.8	15248.6	15244.8	15372.1	16228.8	15820.4	15835.6	15478.5
50°	13668.3	13812.7	14196.4	14519.3	15018.8	15645.6	16838.5	16800.5	17112.0	16804.3
52.5°	10861.0	11066.1	12388.1	13271.3	14393.9	15594.3	17509.0	18373.2	19351.4	18901.3
55°	8727.9	8727.9	9803.0	11455.5	13174.5	15256.2	17801.5	19395.1	20876.7	20770.3
57.5°	7115.3	7200.7	7886.4	9347.1	11409.9	14450.9	17981.9	20037.1	22105.6	22027.7
60°	4391.5	4575.7	5871.1	7312.8	9402.2	13016.8	17868.0	20686.7	23596.6	23659.3
62.5°	2473.1	2541.4	3118.9	5261.4	7310.9	11088.9	16996.1	21049.5	25503.7	25769.6
65°	1707.6	1741.8	1964.0	3274.6	5067.7	8828.6	15292.3	20823.5	27414.5	27952.0
67.5°	1240.3	1257.4	1396.1	2000.1	3006.8	6401.1	12621.7	19683.8	28426.9	29325.3
70°	953.5	964.9	1065.6	1314.4	1776.0	3950.8	9166.7	17417.8	27693.7	28766.9
72.5°	775.0	786.4	864.2	972.5	1177.6	2336.3	5555.8	14145.1	24457.1	25615.7
75°	653.4	668.6	738.9	809.2	923.1	1500.6	2606.0	9850.5	18392.2	19152.0
77.5°	362.8	334.3	600.2	670.5	778.8	949.7	1219.4	5797.1	10300.6	10511.5
80°	226.0	233.6	476.8	539.4	598.3	478.7	558.4	2231.8	3570.9	3392.4
82.5°	13.3	30.4	366.6	389.4	410.3	205.1	210.8	757.9	860.4	790.2
85°	0.0	0.0	167.2	134.9	142.5	58.9	60.8	176.6	115.9	125.4
87.5°	0.0	0.0	0.0	3.8	0.0	5.7	11.4	15.2	5.7	7.6
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°
3527.2	0°	3527.2	3527.2	3527.2	3527.2	3527.2	3527.2	3527.2	3527.2	3527.2	3527.2
3707.7	2.5°	3574.7	3441.8	3172.1	2908.0	2693.4	2494.0	2351.5	2216.6	2148.3	2144.5
3947.0	5°	3683.0	3403.8	2864.3	2387.6	2003.9	1696.2	1496.8	1354.3	1282.1	1257.4
4241.4	7.5°	3835.0	3415.2	2594.6	1931.7	1479.7	1215.6	1101.7	1056.1	1040.9	1023.8
4573.8	10°	4026.8	3441.8	2353.4	1555.6	1166.3	1033.3	987.7	968.7	957.3	945.9
4948.0	12.5°	4241.4	3466.5	2114.1	1291.6	1025.7	957.3	925.0	902.2	887.0	873.7
5331.7	15°	4450.4	3481.7	1865.2	1107.4	953.5	898.4	864.2	839.5	818.7	803.5
5707.8	17.5°	4657.4	3502.6	1631.6	997.2	894.6	839.5	805.4	775.0	757.9	740.8
6102.9	20°	4887.2	3498.8	1411.3	919.3	835.8	780.7	744.6	716.1	699.0	680.0
6520.8	22.5°	5100.0	3479.8	1217.5	852.8	775.0	721.8	681.9	653.4	636.3	621.1
6948.1	25°	5345.0	3464.6	1056.1	792.1	718.0	664.8	621.1	594.5	575.5	562.2
7377.4	27.5°	5580.5	3441.8	938.3	737.0	662.9	611.6	569.8	539.4	522.3	512.8
7820.0	30°	5812.3	3436.1	894.6	683.8	613.5	562.2	520.4	492.0	478.7	474.9
8306.2	32.5°	6091.5	3451.3	913.6	664.8	567.9	516.6	476.8	455.9	442.6	442.6
8847.6	35°	6389.7	3447.5	942.1	681.9	537.5	471.1	440.7	427.4	414.1	414.1
9447.8	37.5°	6763.9	3453.2	964.9	710.4	526.1	433.1	416.0	398.9	391.3	391.3
10105.0	40°	7322.3	3641.2	953.5	735.1	522.3	406.5	372.3	366.6	360.9	360.9
10847.7	42.5°	8006.1	4049.6	968.7	737.0	520.4	387.5	341.9	353.3	340.0	338.1
11685.3	45°	8754.5	4496.0	1065.6	697.1	518.5	378.0	326.7	340.0	319.1	319.1
12655.9	47.5°	9497.2	4938.5	1164.4	640.1	512.8	376.1	313.4	305.8	300.1	302.0
13920.9	50°	10521.0	5299.4	1202.3	562.2	499.6	372.3	288.7	290.6	286.8	290.6
15704.5	52.5°	11635.9	5375.4	1156.8	474.9	461.6	360.9	271.6	279.2	277.3	281.1
16960.0	55°	12331.1	5293.7	955.4	395.1	402.7	315.3	254.5	269.7	269.7	269.7
18187.1	57.5°	13049.1	4946.1	678.1	321.0	334.3	258.3	239.3	260.2	258.3	256.4
19664.8	60°	13565.7	4383.9	446.4	264.0	265.9	212.7	222.2	245.0	243.1	233.6
21188.2	62.5°	13951.3	3762.8	286.8	224.1	203.2	191.8	203.2	222.2	214.6	193.7
22479.8	65°	13907.6	2902.3	220.3	191.8	167.2	167.2	176.6	193.7	170.9	136.8
22726.7	67.5°	13096.6	1964.0	182.3	161.5	140.6	138.7	146.3	161.5	146.3	115.9
21461.7	70°	11647.3	1284.0	146.3	125.4	112.1	102.6	117.8	138.7	123.5	93.1
18270.6	72.5°	9453.5	782.6	110.2	91.2	81.7	66.5	93.1	114.0	98.8	68.4
12705.3	75°	6116.2	398.9	76.0	58.9	43.7	39.9	68.4	85.5	68.4	41.8
5637.5	77.5°	2340.1	167.2	41.8	26.6	22.8	19.0	38.0	51.3	28.5	9.5
1092.2	80°	450.2	70.3	20.9	13.3	11.4	7.6	5.7	3.8	0.0	0.0
193.7	82.5°	77.9	22.8	7.6	3.8	0.0	0.0	0.0	0.0	0.0	0.0
38.0	85°	26.6	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.3	87.5°	9.5	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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180°
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3527.2
2140.7
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442.6
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