

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: P849697

Luminaire Tested: **GLAN-SB6D-835-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849697
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6D-835-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40071 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

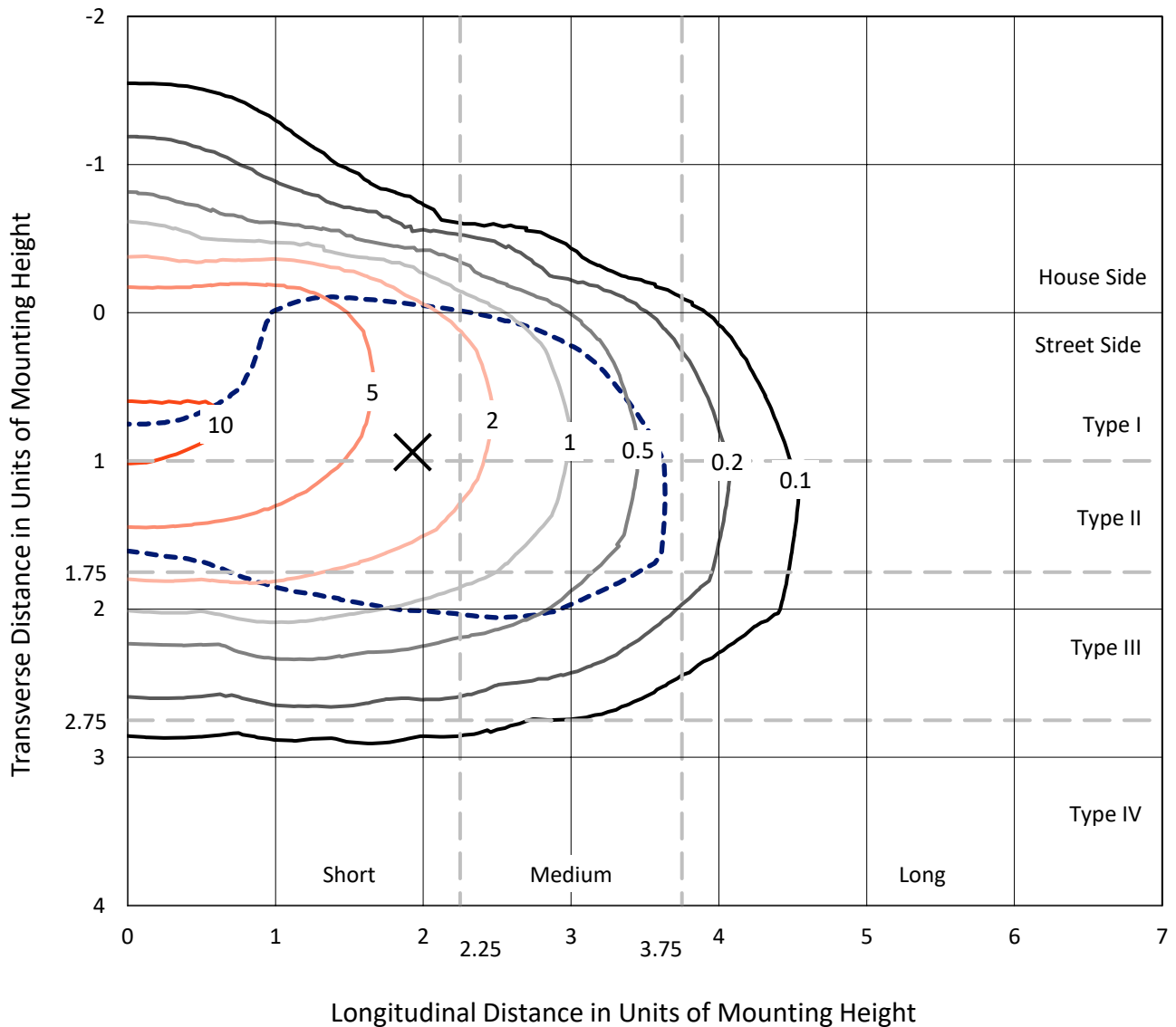
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

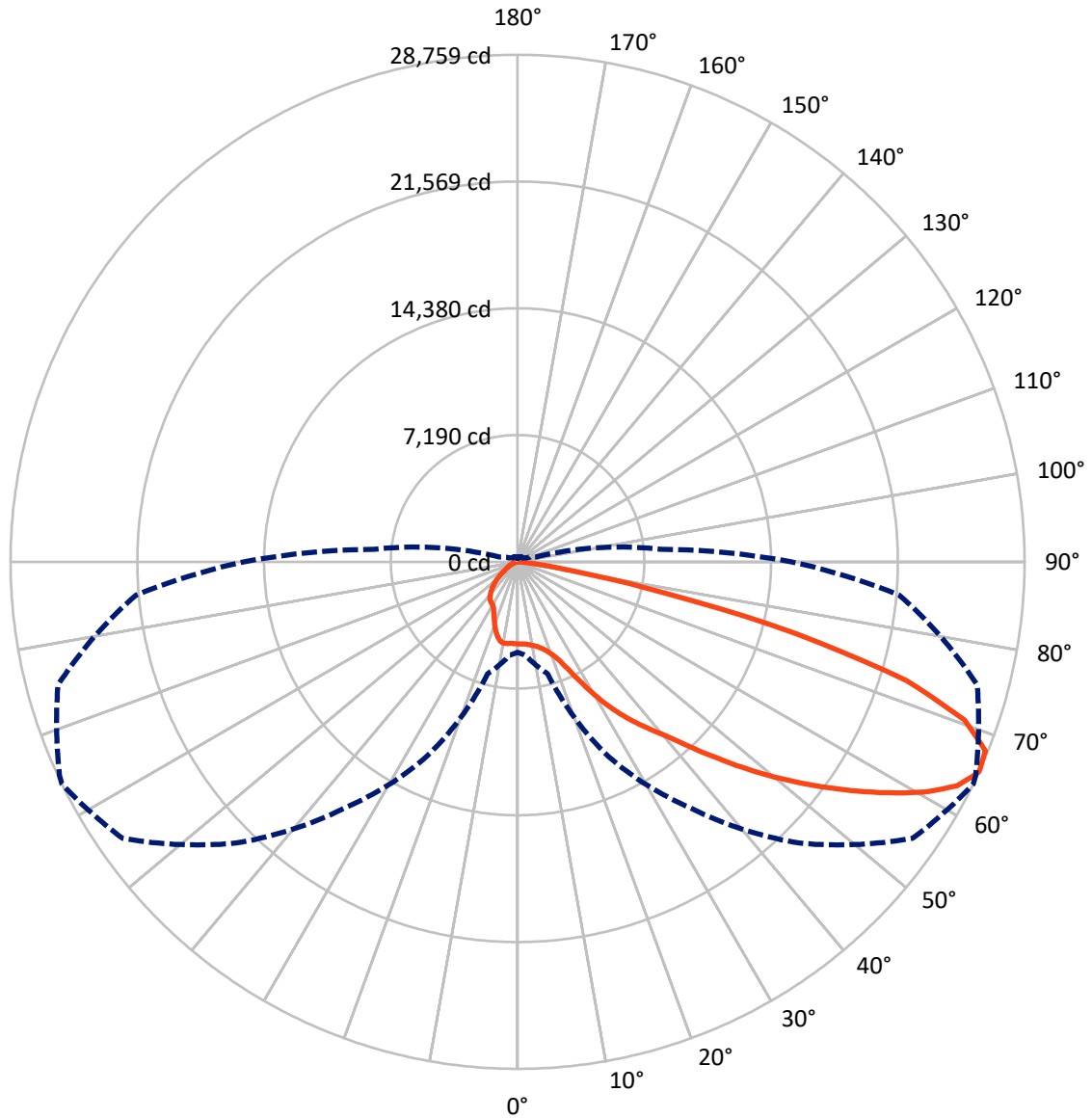
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5358.7	0.0	5358.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	34712.3	0.0	34712.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	40071.0	0.0	40071.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.0	1.1
10°-20°	1166.3	2.9
20°-30°	2210.0	5.5
30°-40°	4471.9	11.2
40°-50°	7618.0	19.0
50°-60°	10359.9	25.9
60°-70°	9728.5	24.3
70°-80°	3897.6	9.7
80°-90°	188.8	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°	40071.0	100.0
0°-180°	40071.0	100.0

Coefficient of Utilization



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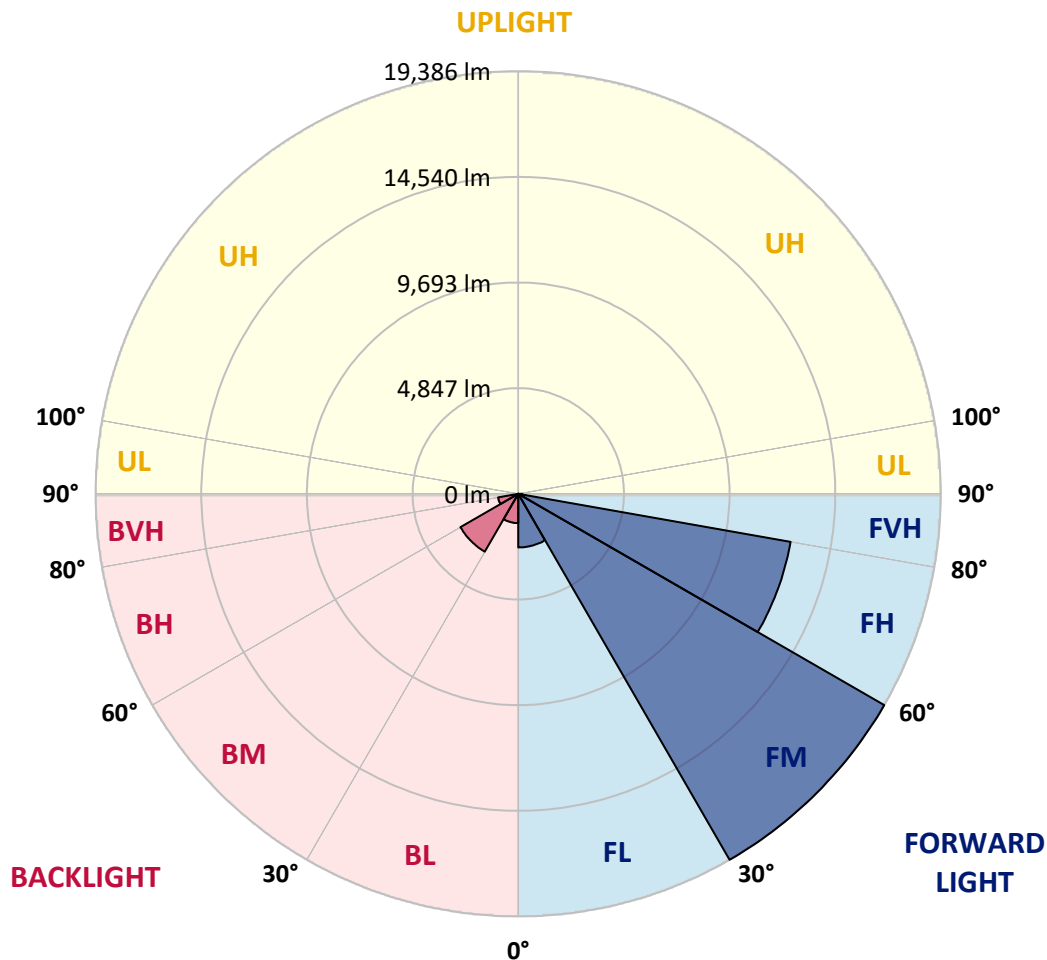
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2460.8	6.1			
FM (30°-60°)	19386.3	48.4			
FH (60°-80°)	12685.6	31.7			G5
FVH (80°-90°)	179.6	0.4			G2/225
BL (0°-30°)	1345.4	3.4	B3/2500		
BM (30°-60°)	3063.5	7.6	B3/5000		
BH (60°-80°)	940.5	2.3	B2/1000		G2/1000
BVH (80°-90°)	9.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	4660.7	4660.7	4660.7	4660.7	4660.7	4660.7	4660.7	4660.7	4660.7	4660.7
2.5°	4644.6	4676.8	4668.7	4660.7	4658.0	4663.4	4666.0	4663.4	4663.4	4663.4
5°	4555.9	4582.8	4582.8	4601.6	4628.4	4660.7	4684.8	4690.2	4695.6	4703.7
7.5°	4386.7	4408.2	4424.3	4486.1	4553.2	4639.2	4711.7	4749.3	4754.7	4784.2
10°	4271.2	4298.0	4324.9	4389.4	4486.1	4615.0	4738.6	4829.9	4843.3	4913.2
12.5°	4265.8	4292.7	4327.6	4397.4	4510.2	4647.2	4797.7	4929.3	4953.5	5055.6
15°	4322.2	4354.4	4386.7	4472.6	4593.5	4760.1	4921.2	5085.1	5109.3	5254.3
17.5°	4437.7	4480.7	4504.9	4590.8	4719.8	4905.1	5117.3	5305.4	5326.9	5496.1
20°	4666.0	4717.1	4725.1	4795.0	4921.2	5120.0	5372.5	5606.2	5633.1	5826.5
22.5°	5138.8	5211.4	5146.9	5181.8	5294.6	5493.4	5767.4	6062.9	6100.5	6320.8
25°	5971.6	6073.6	5907.1	5848.0	5896.4	6103.2	6447.0	6820.4	6863.4	7040.7
27.5°	7607.5	7475.9	7223.4	6976.2	6831.2	6949.4	7336.2	7798.2	7852.0	8023.9
30°	9404.6	9289.1	8948.0	8400.0	8056.1	8037.3	8394.6	8910.3	8972.1	9136.0
32.5°	11204.4	11094.3	10723.6	10049.3	9453.0	9157.5	9404.6	9976.8	10009.0	10113.8
35°	12974.7	12861.8	12491.1	11800.8	11067.4	10395.9	10347.5	10992.2	11002.9	11113.1
37.5°	14755.7	14661.6	14266.8	13589.8	12867.2	11940.5	11491.9	11953.9	11967.3	12074.8
40°	16026.3	16066.6	15795.3	15271.4	14650.9	13638.2	12775.9	12977.4	12896.8	13076.7
42.5°	17116.9	17197.5	16961.1	16697.8	16337.9	15446.0	14366.2	14331.2	14202.3	14299.0
45°	18059.8	18126.9	17914.7	17852.9	17844.9	17219.0	16104.2	15894.6	15714.7	15695.9
47.5°	18406.3	18535.2	18626.6	18833.4	19236.4	18973.1	17901.3	17576.2	17374.8	17227.0
50°	18537.9	18674.9	18986.5	19588.3	20541.9	20654.7	19690.3	19325.0	19077.9	18809.2
52.5°	18360.6	18605.1	19024.1	20036.9	21420.3	22003.2	21406.9	21087.2	20805.1	20367.3
55°	17315.7	17560.1	18417.0	20031.5	21858.2	22948.8	23029.4	22887.0	22570.0	21879.6
57.5°	15112.9	15475.6	16832.1	19349.2	21850.1	23762.7	24619.6	24721.7	24367.1	23378.6
60°	12061.3	12552.9	14207.7	17836.8	21175.8	24203.3	26013.8	26524.2	26148.1	24856.0
62.5°	8416.1	8985.6	10551.7	15467.5	19633.9	23886.3	27031.9	27974.8	27690.0	26177.7
65°	5133.5	5316.1	6578.7	12171.5	17012.1	22559.3	27346.2	28759.2	28665.2	26986.2
67.5°	3419.6	3572.7	3935.4	8346.2	13205.7	19907.9	26594.0	28622.2	28649.0	26854.6
70°	2060.4	2192.0	2428.4	4854.1	8558.4	15757.6	24265.1	26876.1	27031.9	25095.1
72.5°	848.9	937.5	1152.4	2200.1	4432.3	10001.0	19322.3	23075.0	23437.7	21100.6
75°	480.8	526.5	676.9	1104.1	1923.4	4660.7	11704.1	16380.9	16915.4	14543.4
77.5°	319.7	341.2	437.9	714.5	1082.6	1590.3	5001.8	8534.3	9555.1	7943.3
80°	214.9	233.7	300.9	478.2	703.8	682.3	1593.0	3161.7	3889.7	2729.2
82.5°	145.1	147.7	214.9	314.3	445.9	330.4	470.1	983.2	1235.7	789.8
85°	83.3	80.6	158.5	182.7	198.8	137.0	142.4	295.5	386.8	333.1
87.5°	10.7	16.1	61.8	48.4	26.9	29.5	29.5	51.0	75.2	80.6
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°
4660.7	0°	4660.7	4660.7	4660.7	4660.7	4660.7	4660.7	4660.7	4660.7	4660.7	4660.7
4666.0	2.5°	4666.0	4663.4	4655.3	4647.2	4628.4	4617.7	4623.1	4617.7	4615.0	4617.7
4701.0	5°	4701.0	4692.9	4671.4	4644.6	4606.9	4561.3	4531.7	4488.8	4448.5	4424.3
4795.0	7.5°	4795.0	4786.9	4757.4	4682.2	4561.3	4370.6	4195.9	4042.8	3927.3	3860.2
4945.4	10°	4945.4	4932.0	4886.3	4719.8	4402.8	3986.4	3639.9	3352.5	3164.4	3075.8
5122.7	12.5°	5122.7	5106.6	5026.0	4684.8	4101.9	3451.9	2973.7	2654.0	2479.4	2401.5
5326.9	15°	5332.2	5310.8	5152.3	4518.3	3664.1	2860.9	2423.0	2183.9	2071.1	2001.3
5587.4	17.5°	5592.8	5555.2	5246.3	4268.5	3188.6	2409.6	2084.5	1904.6	1805.2	1738.0
5928.6	20°	5931.3	5869.5	5321.5	3970.3	2750.7	2124.8	1856.2	1705.8	1630.6	1571.5
6412.1	22.5°	6404.1	6315.4	5412.8	3648.0	2441.8	1928.7	1687.0	1576.8	1515.1	1447.9
7086.4	25°	6989.7	6884.9	5525.7	3349.8	2229.6	1759.5	1563.4	1472.1	1399.5	1321.6
7970.2	27.5°	7809.0	7620.9	5660.0	3105.3	2046.9	1614.4	1450.6	1348.5	1265.2	1200.8
8972.1	30°	8722.3	8413.4	5778.2	2957.6	1880.4	1480.1	1302.8	1200.8	1122.9	1077.2
9872.0	32.5°	9587.3	9168.2	5856.1	2893.1	1730.0	1327.0	1141.7	1031.5	972.4	959.0
10753.1	35°	10403.9	9850.5	5848.0	2831.3	1595.6	1173.9	983.2	870.4	824.7	832.7
11701.4	37.5°	11344.1	10578.5	5791.6	2734.6	1485.5	1034.2	846.2	746.8	706.5	709.2
12853.8	40°	12437.4	11419.3	5756.7	2552.0	1364.6	905.3	733.4	652.8	623.2	612.5
14068.0	42.5°	13603.3	12233.3	5762.0	2345.1	1214.2	789.8	655.4	588.3	561.4	553.4
15419.2	45°	14774.5	13009.6	5770.1	2130.2	1055.7	701.1	599.0	542.6	526.5	515.8
16789.2	47.5°	15875.8	13670.4	5619.7	1899.2	899.9	634.0	553.4	515.8	502.3	488.9
18164.5	50°	16902.0	14111.0	5257.0	1630.6	776.3	580.2	518.4	491.6	478.2	464.7
19411.0	52.5°	17699.8	14180.8	4658.0	1353.9	690.4	539.9	497.0	472.8	456.7	443.2
20418.3	55°	18054.4	13742.9	3806.4	1096.0	623.2	505.0	475.5	451.3	432.5	419.1
21210.8	57.5°	17963.1	12821.6	2968.3	881.1	558.7	470.1	448.6	432.5	411.0	389.5
21852.8	60°	17514.5	11588.6	2237.7	733.4	499.6	432.5	419.1	405.6	376.1	343.8
22099.9	62.5°	16738.1	10038.6	1595.6	607.1	435.2	389.5	384.1	373.4	330.4	271.3
21734.6	65°	15550.8	8155.5	1074.5	505.0	373.4	341.2	343.8	325.0	268.6	201.5
20396.8	67.5°	13815.5	5963.5	687.7	413.7	311.6	284.7	287.4	276.7	228.3	171.9
17861.0	70°	11604.7	3948.8	448.6	314.3	249.8	220.3	236.4	239.1	193.4	139.7
13708.0	72.5°	8507.4	2331.7	314.3	233.7	182.7	153.1	193.4	198.8	155.8	104.8
8246.8	75°	4848.7	1106.7	236.4	169.2	112.8	107.5	150.4	150.4	107.5	69.8
3570.0	77.5°	2036.2	462.0	166.5	110.1	64.5	61.8	102.1	94.0	53.7	32.2
870.4	80°	588.3	206.8	88.6	53.7	26.9	24.2	40.3	29.5	13.4	5.4
330.4	82.5°	231.0	91.3	34.9	21.5	10.7	10.7	5.4	0.0	0.0	0.0
188.0	85°	137.0	37.6	16.1	8.1	2.7	0.0	0.0	0.0	0.0	0.0
40.3	87.5°	34.9	8.1	5.4	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°
4660.7
4628.4
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3067.7
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1732.6
1560.7
1437.2
1313.6
1187.3
1069.1
967.1
832.7
719.9
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515.8
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