

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: P852436

Luminaire Tested: **GLAN-SB3D-827-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852436
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-827-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 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: 18431 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

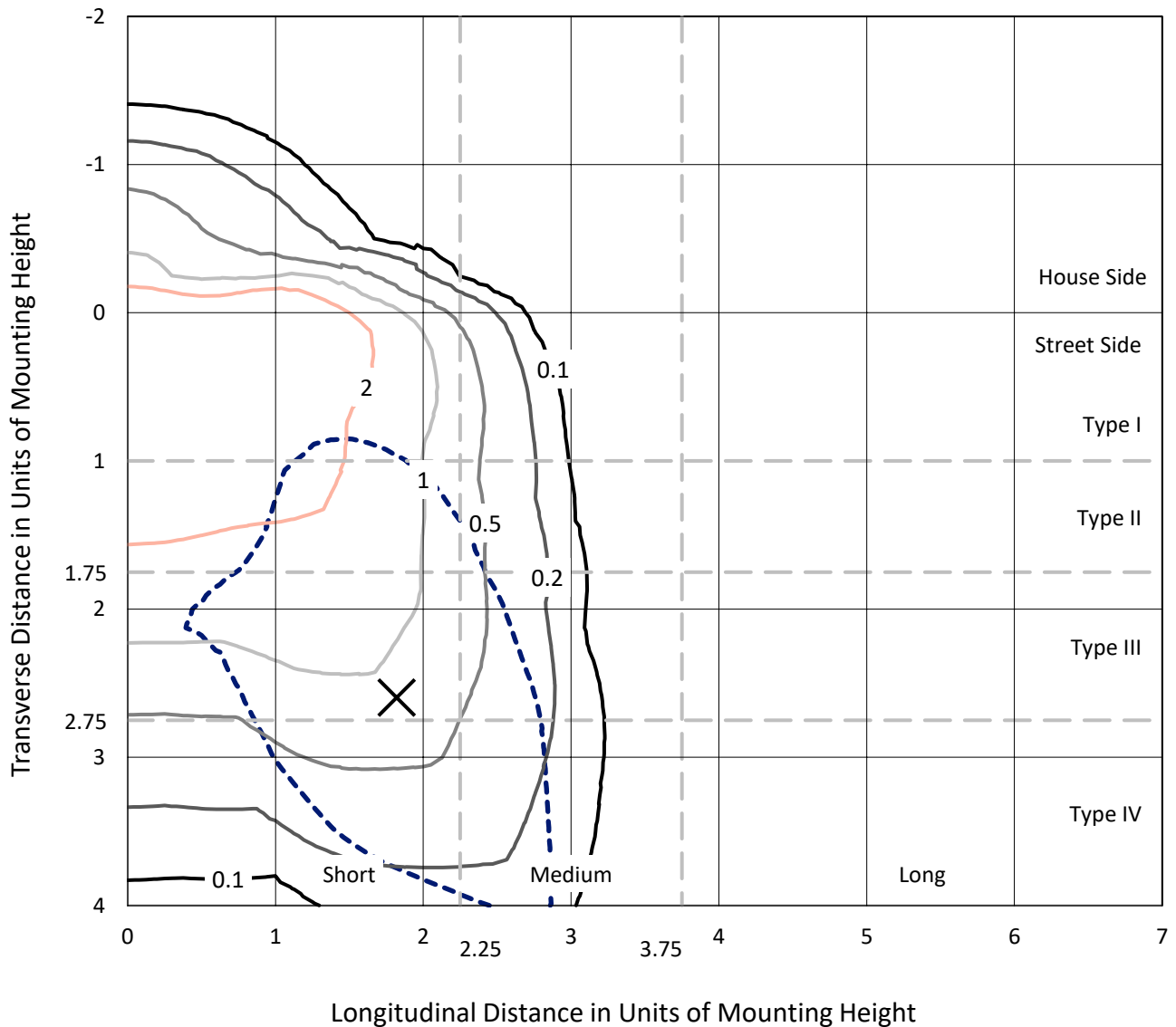
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

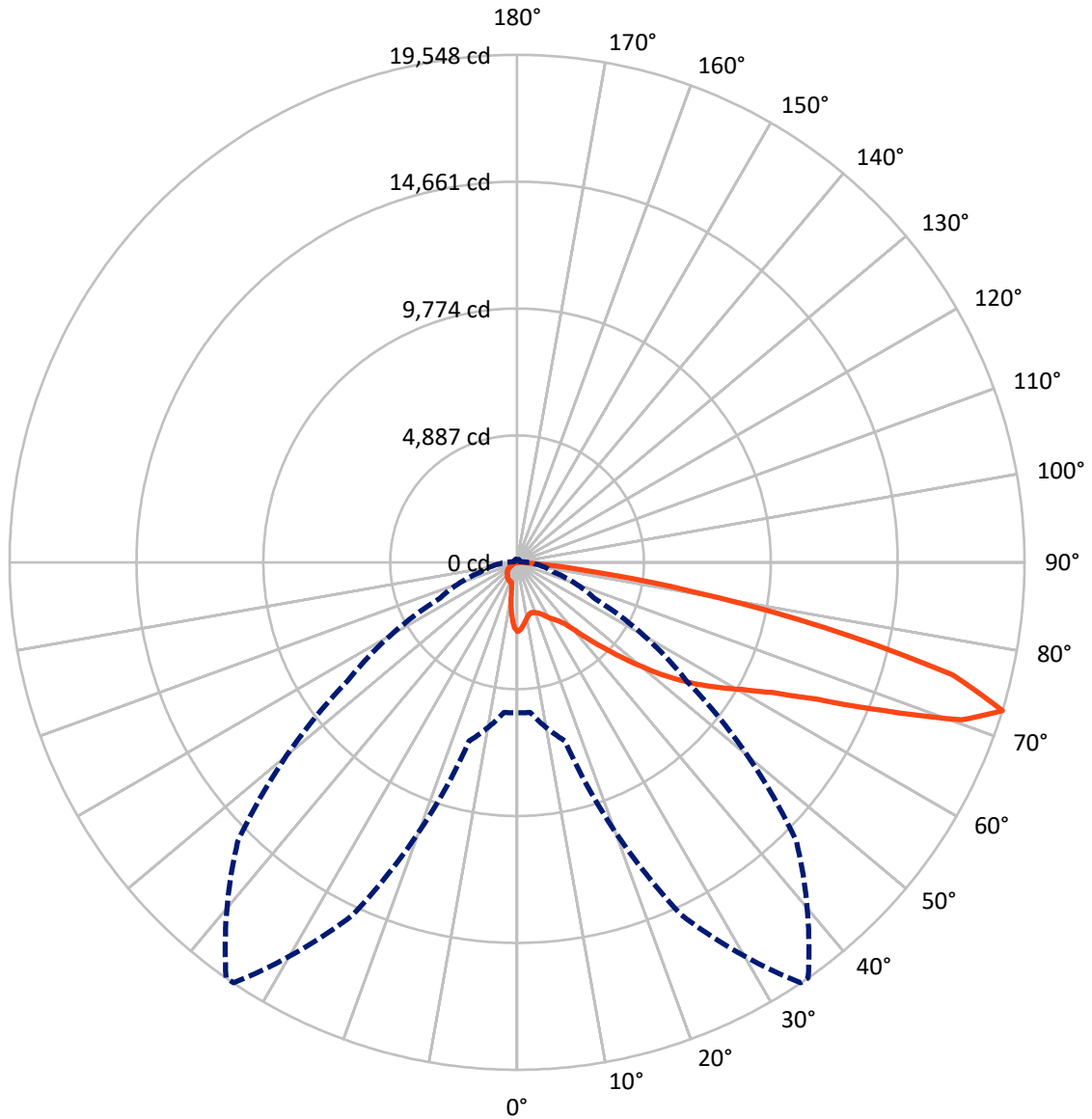
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2074.3	0.0	2074.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	16356.7	0.0	16356.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	18431.0	0.0	18431.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.5	1.2
10°-20°	513.5	2.8
20°-30°	834.2	4.5
30°-40°	1391.8	7.6
40°-50°	2633.4	14.3
50°-60°	4184.4	22.7
60°-70°	5176.4	28.1
70°-80°	3217.7	17.5
80°-90°	260.1	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°	18431.0	100.0
0°-180°	18431.0	100.0

Coefficient of Utilization

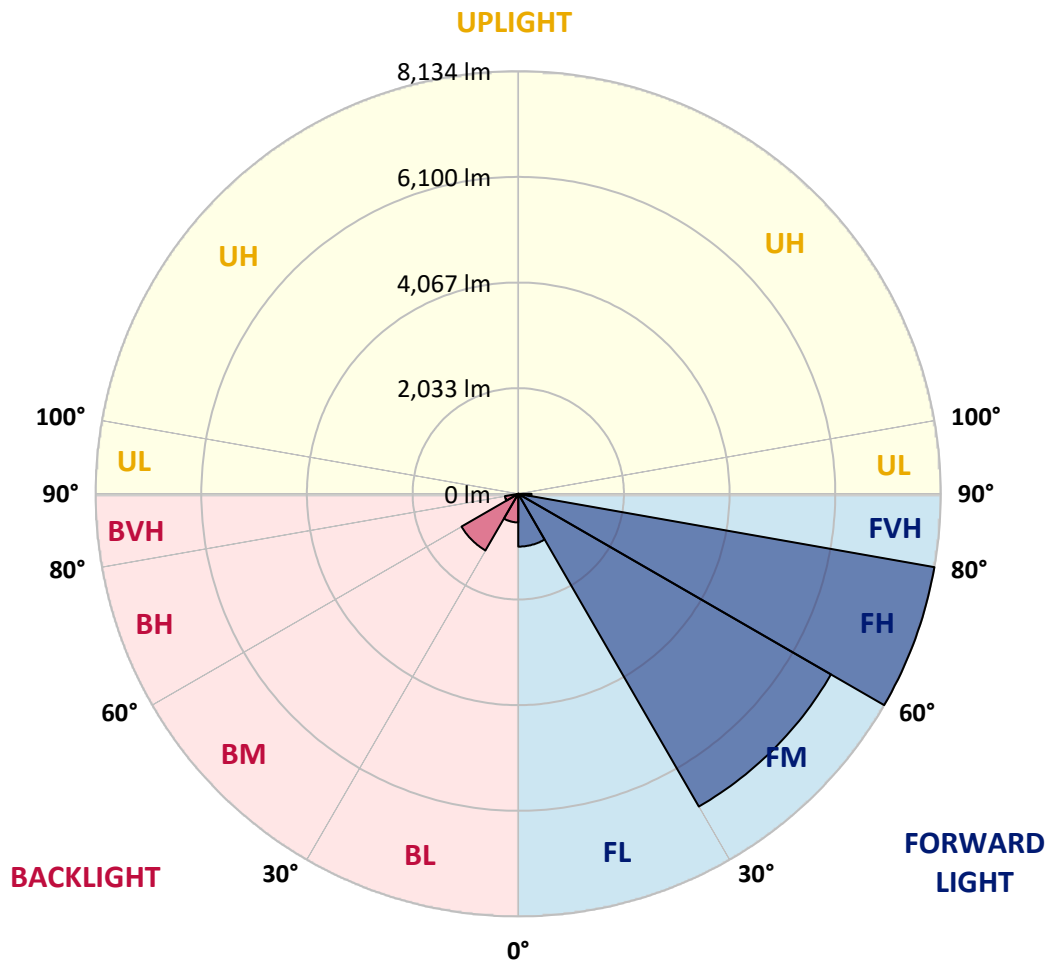


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1016.0	5.5			
FM	(30°-60°)	6950.3	37.7			
FH	(60°-80°)	8133.8	44.1			G4/12000
FVH	(80°-90°)	256.5	1.4			G3/500
BL	(0°-30°)	551.2	3.0	B2/1000		
BM	(30°-60°)	1259.3	6.8	B2/2500		
BH	(60°-80°)	260.3	1.4	B1/500		G1/500
BVH	(80°-90°)	3.5	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-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2671.3	2671.3	2671.3	2671.3	2671.3	2671.3	2671.3	2671.3	2671.3	2671.3
2.5°	2552.4	2574.0	2578.1	2584.8	2584.8	2592.9	2606.4	2625.4	2656.4	2672.6
5°	2352.6	2368.8	2389.0	2405.2	2436.3	2440.3	2493.0	2544.3	2615.9	2669.9
7.5°	2151.3	2170.2	2197.2	2236.4	2276.9	2289.1	2368.8	2455.2	2568.6	2669.9
10°	2009.5	2010.9	2035.2	2074.4	2139.2	2154.0	2251.3	2374.2	2516.0	2653.7
12.5°	1929.9	1939.3	1950.1	1979.8	2041.9	2051.4	2155.4	2299.9	2463.3	2644.3
15°	1929.9	1936.6	1943.4	1958.2	2008.2	2016.3	2108.1	2252.6	2436.3	2648.3
17.5°	1950.1	1960.9	1955.5	1973.1	2025.7	2031.1	2112.2	2239.1	2434.9	2674.0
20°	1998.7	2006.8	1996.0	2006.8	2059.5	2070.3	2154.0	2264.8	2457.9	2718.5
22.5°	2075.7	2079.8	2054.1	2062.2	2116.2	2129.7	2227.0	2337.7	2513.3	2790.1
25°	2172.9	2181.0	2141.9	2151.3	2202.6	2218.9	2330.9	2447.1	2601.0	2888.7
27.5°	2285.0	2289.1	2255.3	2254.0	2320.1	2343.1	2456.5	2582.1	2718.5	3012.9
30°	2413.3	2425.5	2393.1	2387.7	2471.4	2490.3	2602.4	2748.2	2891.4	3199.3
32.5°	2514.6	2524.1	2505.2	2518.7	2603.7	2618.6	2779.3	2983.2	3162.8	3464.0
35°	2660.5	2665.9	2622.7	2647.0	2744.2	2782.0	3021.0	3312.8	3504.5	3796.2
37.5°	3188.5	3188.5	3004.8	2884.6	2977.8	3011.6	3351.9	3727.4	3925.9	4241.9
40°	3919.1	3907.0	3638.2	3392.4	3380.3	3446.5	3823.2	4250.0	4470.1	4776.7
42.5°	4698.4	4679.4	4313.5	4070.4	4029.9	4052.8	4367.5	4894.2	5118.4	5429.0
45°	5389.8	5384.4	5049.5	4722.7	4649.7	4722.7	5046.8	5647.8	5808.5	6135.3
47.5°	5969.2	5969.2	5724.7	5511.4	5473.5	5516.8	5966.5	6483.7	6468.8	6887.5
50°	6636.3	6630.9	6398.6	6306.8	6346.0	6406.7	7025.3	7364.2	7152.2	7626.2
52.5°	7103.6	7136.0	7056.3	7041.5	7241.3	7346.7	8100.2	8225.8	7764.0	8327.1
55°	7473.6	7511.4	7603.3	7707.2	8092.1	8229.9	9141.5	9042.9	8275.8	8934.8
57.5°	7997.6	7943.6	8085.4	8290.7	8913.2	9079.3	10150.3	9814.0	8687.7	9427.8
60°	8633.7	8641.8	8666.1	8925.4	9733.0	9946.4	11144.2	10543.3	8952.4	9730.3
62.5°	9398.1	9410.2	9460.2	9858.6	10833.6	11034.9	12203.0	11140.2	9073.9	9645.2
65°	9345.4	9396.7	9954.5	11317.1	12506.9	12705.4	13438.7	11558.8	8890.3	8867.3
67.5°	8513.5	8597.2	9530.4	13059.2	15029.6	15251.1	14932.4	11641.2	8097.5	6895.6
70°	7422.3	7452.0	8574.3	14625.8	17950.7	18174.9	16269.4	10735.0	6144.7	3846.2
72.5°	5796.3	5803.1	7119.8	14989.1	19536.2	19548.3	15220.0	7969.2	3304.6	1477.4
75°	4140.6	4100.1	4768.6	12155.8	17187.7	17325.4	11410.3	3738.2	1262.7	698.2
77.5°	2220.2	2264.8	2698.3	7208.9	11873.5	12108.5	6225.8	1077.7	642.8	475.4
80°	686.0	723.9	1106.1	3300.6	6725.4	6867.2	2308.0	479.4	448.4	339.0
82.5°	216.1	224.2	515.9	1387.0	2791.5	2856.3	668.5	271.4	306.6	224.2
85°	62.1	63.5	229.6	517.2	690.1	703.6	187.7	105.3	175.6	139.1
87.5°	6.8	21.6	86.4	86.4	60.8	59.4	20.3	23.0	50.0	17.6
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°
2671.3	0°	2671.3	2671.3	2671.3	2671.3	2671.3	2671.3	2671.3	2671.3	2671.3	2671.3
2683.4	2.5°	2676.7	2678.0	2660.5	2630.8	2598.3	2571.3	2537.6	2510.6	2491.7	2486.3
2707.7	5°	2695.6	2686.1	2636.2	2545.7	2437.6	2344.5	2240.5	2158.1	2104.1	2081.1
2733.4	7.5°	2723.9	2696.9	2587.5	2409.3	2202.6	2019.0	1832.6	1688.1	1596.3	1550.4
2757.7	10°	2748.2	2694.2	2506.5	2212.1	1896.1	1617.9	1366.7	1192.5	1095.2	1049.3
2786.1	12.5°	2771.2	2692.9	2401.2	1978.5	1550.4	1210.0	976.4	890.0	863.0	853.5
2832.0	15°	2814.4	2696.9	2268.8	1711.1	1206.0	914.3	829.2	827.9	833.3	830.6
2902.2	17.5°	2873.8	2701.0	2118.9	1427.5	930.5	806.2	802.2	814.3	822.4	818.4
2990.0	20°	2950.8	2717.2	1959.6	1146.6	799.5	779.2	788.7	799.5	806.2	799.5
3107.5	22.5°	3058.9	2745.5	1785.3	921.0	757.6	763.0	771.1	783.3	790.0	780.6
3257.4	25°	3191.2	2790.1	1613.8	800.8	737.4	744.1	756.3	769.8	777.9	768.4
3446.5	27.5°	3362.7	2861.7	1455.8	773.8	717.1	721.2	738.7	759.0	769.8	757.6
3715.2	30°	3611.2	2979.2	1319.4	786.0	705.0	695.5	719.8	748.2	760.3	749.5
4081.2	32.5°	3940.7	3145.3	1235.7	804.9	699.6	665.8	688.8	725.2	745.5	738.7
4559.3	35°	4372.9	3397.8	1203.3	826.5	695.5	634.7	650.9	690.1	725.2	732.0
5161.6	37.5°	4896.9	3749.0	1212.7	836.0	683.3	609.1	617.2	650.9	696.9	718.5
5839.5	40°	5492.4	4158.2	1266.8	826.5	669.8	587.5	588.8	614.5	655.0	687.4
6568.8	42.5°	6106.9	4636.2	1366.7	791.4	657.7	568.6	564.5	582.1	609.1	632.0
7296.7	45°	6691.7	5127.8	1465.3	742.8	642.8	549.6	540.2	546.9	552.4	561.8
8005.7	47.5°	7202.2	5473.5	1436.9	698.2	622.6	528.0	511.8	509.1	492.9	491.6
8639.1	50°	7554.6	5549.2	1276.2	653.6	592.9	503.7	478.1	461.9	433.5	420.0
9113.1	52.5°	7666.7	5250.7	1042.6	609.1	544.2	471.3	434.9	409.2	374.1	361.9
9385.9	55°	7518.2	4665.9	833.3	555.1	476.7	428.1	387.6	353.8	325.5	310.6
9415.6	57.5°	7154.9	3921.8	659.0	491.6	405.1	379.5	339.0	305.2	280.9	266.0
9086.1	60°	6552.6	3114.2	521.3	416.0	345.7	326.8	285.0	263.3	241.7	224.2
8235.3	62.5°	5638.3	2222.9	409.2	329.5	289.0	267.4	243.1	226.9	201.2	176.9
6705.2	65°	4399.9	1359.9	316.0	241.7	232.3	221.5	206.6	191.8	160.7	136.4
4374.2	67.5°	2775.3	644.2	225.5	182.3	183.7	178.3	171.5	159.4	136.4	114.8
1959.6	70°	1222.2	312.0	148.6	139.1	136.4	136.4	141.8	137.8	116.1	95.9
680.6	72.5°	416.0	167.5	110.7	105.3	98.6	97.2	118.8	114.8	93.2	74.3
339.0	75°	217.4	112.1	81.0	75.6	59.4	71.6	94.5	89.1	66.2	48.6
224.2	77.5°	141.8	79.7	55.4	48.6	33.8	47.3	70.2	62.1	39.2	24.3
147.2	80°	89.1	52.7	32.4	23.0	16.2	25.7	37.8	27.0	14.9	5.4
86.4	82.5°	47.3	27.0	12.2	8.1	6.8	8.1	9.5	6.8	2.7	0.0
44.6	85°	18.9	9.5	4.1	2.7	1.4	0.0	2.7	1.4	0.0	0.0
8.1	87.5°	6.8	1.4	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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2671.3
2495.7
2089.2
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767.1
757.6
748.2
738.7
732.0
723.9
698.2
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