

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: P848995

Luminaire Tested: **GLAN-SB5D-827-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848995
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5D-827-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29928 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

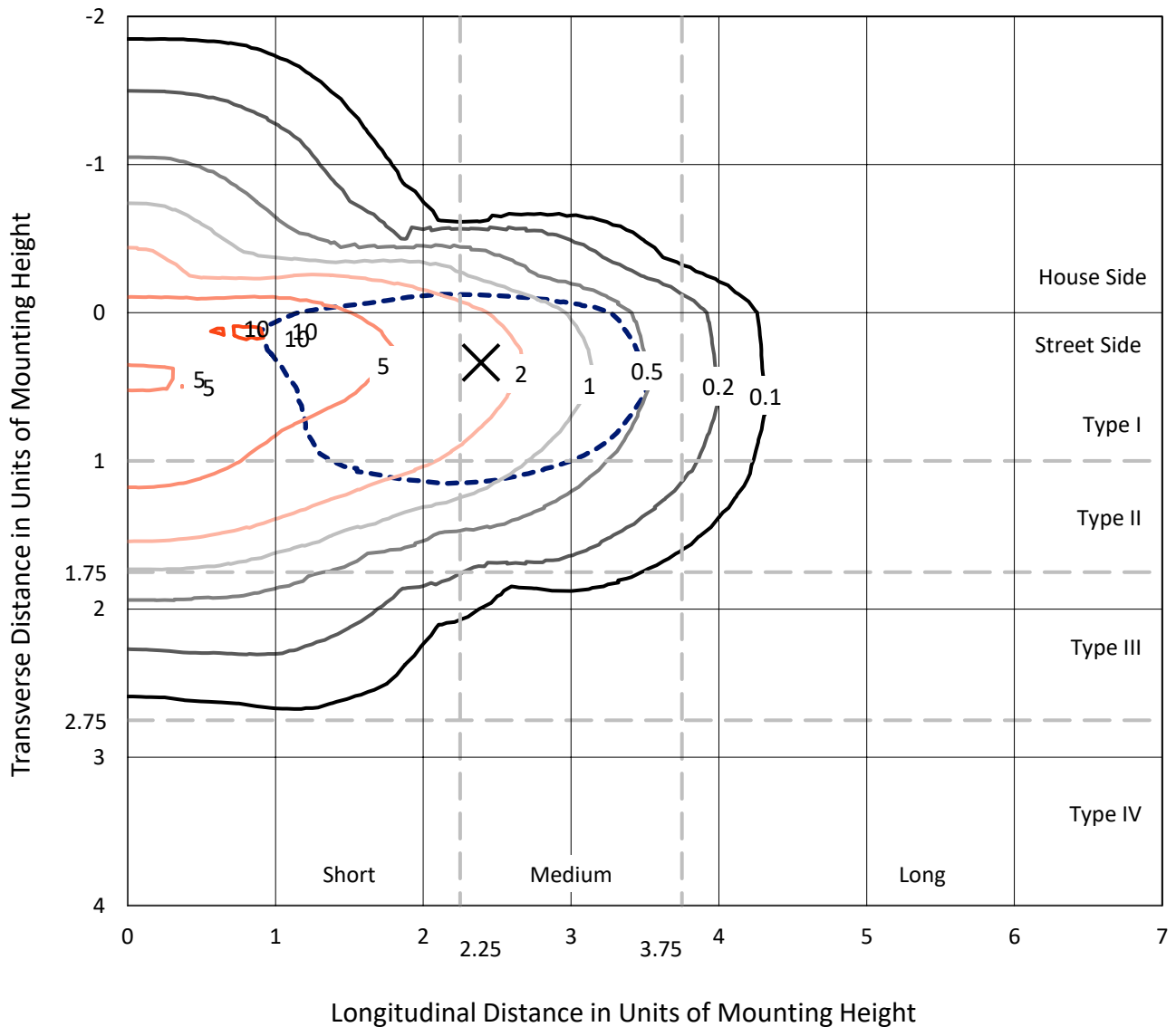
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

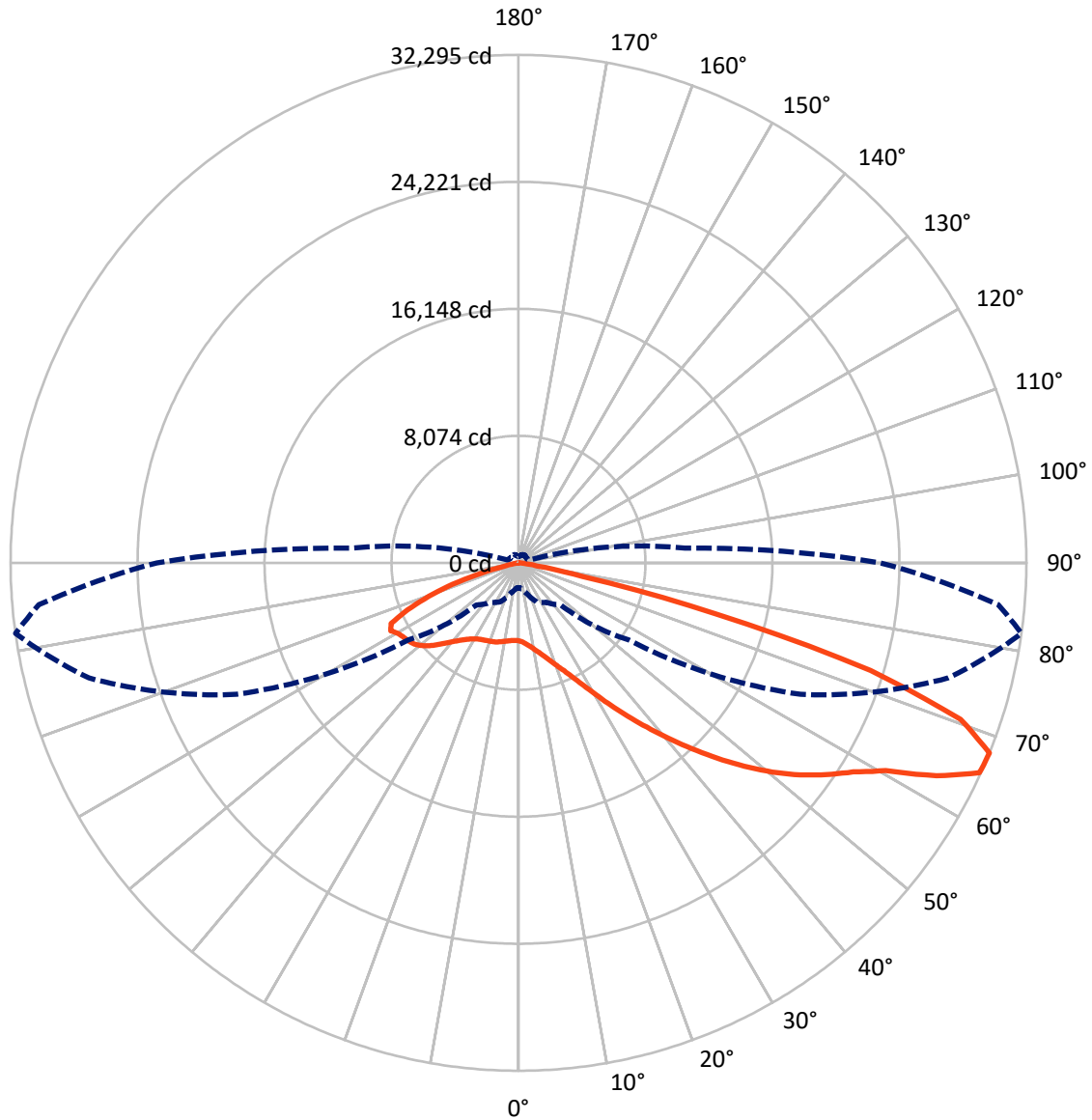
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5421.2	0.0	5421.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	24506.8	0.0	24506.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	29928.0	0.0	29928.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	441.7	1.5
10°-20°	1147.9	3.8
20°-30°	1838.5	6.1
30°-40°	3251.1	10.9
40°-50°	5696.2	19.0
50°-60°	7597.1	25.4
60°-70°	7072.5	23.6
70°-80°	2714.4	9.1
80°-90°	168.6	0.6
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°	29928.0	100.0
0°-180°	29928.0	100.0

Coefficient of Utilization

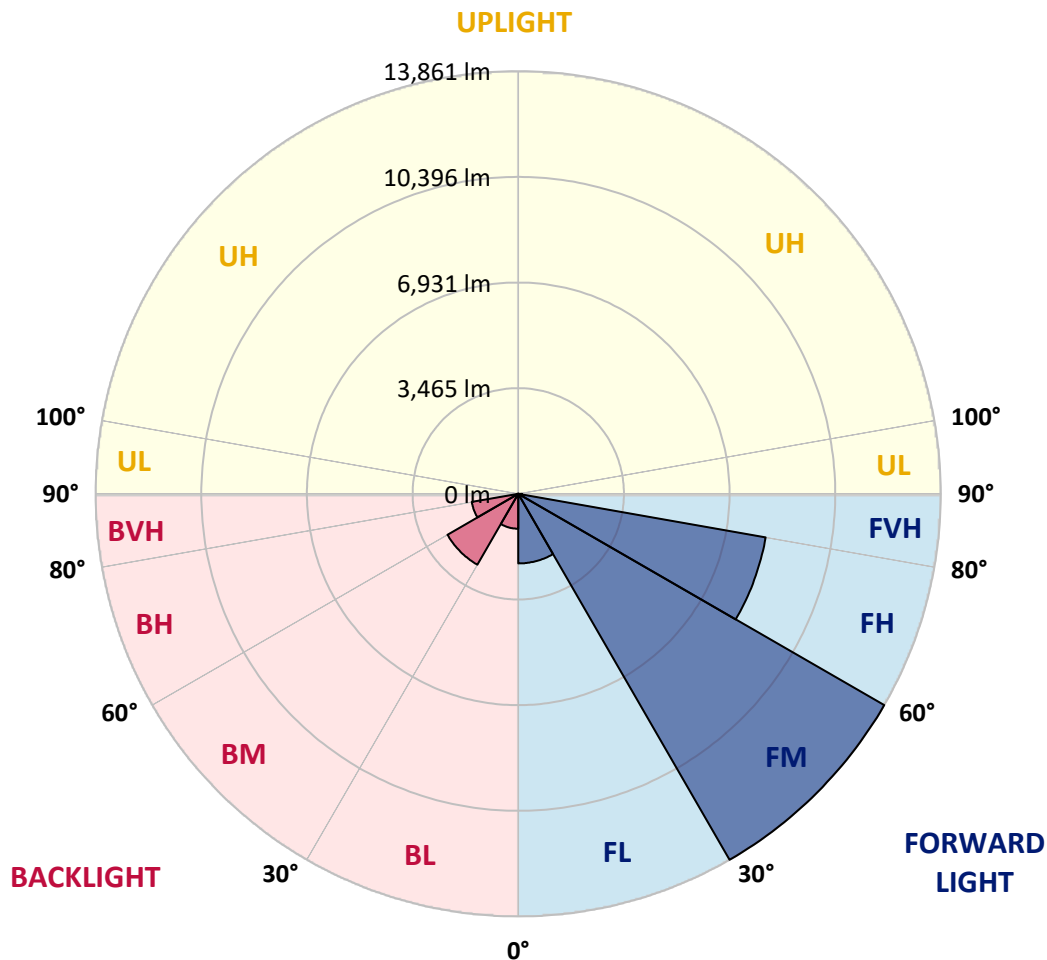


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2283.2	7.6			
FM (30°-60°)	13861.4	46.3			
FH (60°-80°)	8239.6	27.5			G4/12000
FVH (80°-90°)	122.6	0.4			G2/225
BL (0°-30°)	1144.9	3.8	B3/2500		
BM (30°-60°)	2682.9	9.0	B3/5000		
BH (60°-80°)	1547.3	5.2	B3/2500		G3/2500
BVH (80°-90°)	46.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4958.1	4958.1	4958.1	4958.1	4958.1	4958.1	4958.1	4958.1	4958.1	4958.1
2.5°	5240.3	5270.5	5253.3	5244.6	5229.6	5208.0	5190.8	5136.9	5080.9	5044.2
5°	5345.9	5376.1	5373.9	5382.5	5393.3	5399.8	5395.5	5335.1	5255.4	5192.9
7.5°	5255.4	5289.9	5317.9	5361.0	5436.4	5516.1	5554.9	5542.0	5460.1	5373.9
10°	4999.0	5035.6	5102.4	5203.7	5363.1	5535.5	5679.9	5746.7	5695.0	5600.2
12.5°	4529.3	4565.9	4697.3	4917.1	5184.3	5483.8	5759.6	5938.5	5951.4	5856.6
15°	4001.4	4038.0	4178.0	4453.8	4861.1	5341.6	5802.7	6141.0	6255.2	6173.3
17.5°	3673.8	3706.2	3811.7	4033.7	4458.2	5057.2	5787.6	6356.5	6617.2	6552.6
20°	3574.7	3602.7	3652.3	3807.4	4160.8	4762.0	5688.5	6559.0	7007.2	6970.6
22.5°	3680.3	3706.2	3721.2	3790.2	4012.1	4568.0	5563.5	6765.9	7459.7	7464.0
25°	3923.8	3949.6	3932.4	3975.5	4072.5	4507.7	5516.1	7009.4	8028.6	8076.0
27.5°	4324.6	4326.7	4285.8	4283.6	4298.7	4598.2	5565.7	7270.1	8746.1	8834.4
30°	5128.3	5096.0	4938.7	4768.4	4690.9	4869.7	5703.6	7578.2	9592.9	9750.2
32.5°	6367.3	6319.9	6031.1	5623.9	5214.5	5307.1	5951.4	7929.4	10515.1	10799.6
35°	7711.8	7698.9	7397.2	6791.7	6076.4	5929.8	6354.3	8390.6	11521.4	11973.9
37.5°	8961.6	8955.1	8782.7	8069.5	7199.0	6798.2	7000.8	8993.9	12598.8	13253.8
40°	10103.6	10123.0	9950.6	9312.8	8435.8	7912.2	7879.9	9739.4	13796.8	14647.9
42.5°	11090.4	11112.0	10937.5	10465.6	9657.5	9144.7	8959.4	10653.0	14966.8	16145.5
45°	11760.6	11894.2	11868.3	11491.2	10911.6	10379.4	10256.6	11799.4	16300.6	17733.5
47.5°	11950.2	12073.0	12266.9	12318.6	11965.3	11441.7	11588.2	13180.5	17649.5	19323.7
50°	11482.6	11596.8	11999.7	12536.3	12781.9	12620.3	12883.2	14660.9	19030.7	20909.6
52.5°	10560.4	10676.7	11185.3	12034.2	13036.2	13544.7	14182.5	16119.6	20368.8	22411.5
55°	9226.6	9349.4	10002.3	10963.3	12551.4	13926.1	15266.3	17576.2	21594.8	23762.5
57.5°	7412.3	7502.8	8181.5	9526.1	11331.8	13546.9	16065.7	19166.4	22749.7	25089.8
60°	4830.9	4910.7	5699.3	7199.0	9310.6	12279.9	16225.2	20939.8	24283.9	26815.7
62.5°	3212.7	3266.6	3734.2	4835.2	6556.9	9847.2	15292.2	22355.4	26533.5	29819.4
65°	2204.3	2258.2	2725.7	3492.8	4236.2	6513.8	12609.5	22168.0	28571.9	32204.7
67.5°	1573.0	1618.2	2014.7	2738.7	3066.2	3783.7	8547.9	19771.9	28278.8	32295.2
70°	1126.9	1152.8	1480.3	2133.2	2437.0	2273.3	4753.4	15122.0	24760.1	29821.6
72.5°	788.6	797.3	1027.8	1624.7	1963.0	1659.1	2262.5	10082.0	18726.8	23406.9
75°	534.4	545.1	691.7	1191.6	1575.1	1267.0	1198.0	5406.2	10993.5	12956.5
77.5°	327.5	331.8	446.0	814.5	1178.6	965.3	771.4	2290.5	4253.5	4175.9
80°	185.3	185.3	284.4	506.4	803.7	622.7	540.8	973.9	1346.7	1183.0
82.5°	103.4	105.6	206.9	314.6	532.2	368.5	297.4	450.3	581.8	515.0
85°	43.1	47.4	127.1	148.7	254.3	183.2	120.7	189.6	215.5	191.8
87.5°	4.3	6.5	38.8	28.0	30.2	36.6	17.2	36.6	30.2	30.2
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°
4958.1	0°	4958.1	4958.1	4958.1	4958.1	4958.1	4958.1	4958.1	4958.1	4958.1	4958.1
5031.3	2.5°	4990.4	4958.1	4876.2	4781.4	4656.4	4596.1	4514.2	4458.2	4410.8	4415.1
5156.3	5°	5087.3	5005.5	4822.3	4593.9	4309.5	4106.9	3891.5	3742.8	3622.1	3596.3
5328.7	7.5°	5220.9	5091.7	4770.6	4359.0	3878.5	3514.4	3189.0	2980.0	2831.3	2783.9
5537.7	10°	5393.3	5205.9	4703.8	4063.8	3372.2	2908.9	2559.8	2396.1	2294.8	2260.3
5783.3	12.5°	5593.7	5337.3	4615.5	3704.0	2850.7	2404.7	2182.8	2100.9	2068.6	2057.8
6085.0	15°	5845.8	5501.1	4481.9	3277.4	2409.0	2096.6	2001.8	1991.0	1995.3	1991.0
6447.0	17.5°	6145.3	5679.9	4264.2	2837.8	2111.6	1939.3	1904.8	1913.4	1924.2	1922.0
6852.1	20°	6472.8	5856.6	3986.3	2447.8	1909.1	1827.2	1807.8	1816.4	1825.1	1820.8
7319.7	22.5°	6845.6	6046.2	3678.1	2144.0	1773.4	1723.8	1702.2	1704.4	1704.4	1695.8
7912.2	25°	7291.6	6255.2	3354.9	1928.5	1669.9	1631.1	1605.3	1596.7	1583.7	1557.9
8631.9	27.5°	7823.9	6477.1	3044.6	1777.7	1588.0	1551.4	1521.2	1499.7	1467.4	1424.3
9495.9	30°	8422.9	6746.5	2781.8	1682.9	1523.4	1486.8	1452.3	1420.0	1372.6	1318.7
10489.3	32.5°	9127.5	7035.2	2590.0	1620.4	1465.2	1426.4	1385.5	1346.7	1295.0	1241.1
11605.4	35°	9967.8	7384.3	2478.0	1577.3	1420.0	1368.3	1323.0	1279.9	1241.1	1193.7
12818.5	37.5°	10879.3	7754.9	2443.5	1555.7	1389.8	1310.1	1258.4	1228.2	1223.9	1195.9
14130.8	40°	11876.9	8194.5	2469.3	1542.8	1357.5	1254.1	1198.0	1191.6	1202.3	1152.8
15533.5	42.5°	12932.7	8715.9	2512.4	1527.7	1312.2	1198.0	1144.2	1144.2	1135.5	1066.6
17016.0	45°	14074.8	9317.1	2555.5	1491.1	1258.4	1142.0	1101.1	1086.0	1049.4	982.6
18507.1	47.5°	15225.4	9929.0	2587.8	1424.3	1193.7	1094.6	1058.0	1023.5	969.6	909.3
19970.1	50°	16317.8	10478.5	2553.4	1325.2	1120.5	1049.4	1010.6	963.2	905.0	864.1
21355.6	52.5°	17293.9	10954.7	2406.8	1208.8	1042.9	1002.0	967.5	917.9	870.5	827.4
22605.4	55°	18142.9	11340.4	2148.3	1098.9	973.9	961.0	926.5	864.1	799.4	762.8
23844.4	57.5°	18957.4	11633.4	1825.1	1008.4	911.5	915.8	864.1	808.0	747.7	708.9
25514.3	60°	20041.2	12025.6	1497.5	924.4	844.7	857.6	801.6	760.6	685.2	635.6
28377.9	62.5°	21773.6	12635.4	1189.4	821.0	767.1	771.4	747.7	698.1	607.6	549.5
30500.3	65°	23148.4	12411.3	937.3	708.9	678.7	685.2	685.2	631.3	534.4	467.6
30614.5	67.5°	22993.2	10627.2	747.7	599.0	594.7	599.0	614.1	568.9	474.0	420.2
28283.1	70°	21181.1	8453.0	599.0	497.7	517.1	506.4	549.5	519.3	426.6	372.8
21926.6	72.5°	17283.2	6089.3	456.8	411.6	396.5	413.7	495.6	467.6	355.5	295.2
11614.0	75°	10099.3	3249.3	340.4	325.4	286.6	344.8	439.6	398.6	271.5	217.6
3559.6	77.5°	3288.1	1133.4	249.9	239.2	213.3	278.0	374.9	336.1	221.9	172.4
1042.9	80°	881.3	342.6	170.2	157.3	137.9	206.9	297.4	267.2	159.5	112.0
448.2	82.5°	353.4	144.4	99.1	88.3	75.4	142.2	234.9	215.5	118.5	71.1
140.1	85°	114.2	47.4	36.6	28.0	34.5	88.3	140.1	146.5	84.0	36.6
21.5	87.5°	15.1	6.5	6.5	8.6	6.5	15.1	43.1	40.9	23.7	4.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

180°
4958.1
4372.0
3538.1
2736.5
2234.5
2051.3
1988.8
1917.7
1818.6
1691.5
1553.6
1420.0
1314.4
1243.3
1189.4
1193.7
1154.9
1066.6
980.4
907.1
857.6
823.1
758.5
704.6
629.2
545.1
461.1
411.6
366.3
288.7
211.2
165.9
109.9
71.1
28.0
0.0
0.0

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