

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: P956057

Luminaire Tested: **GLAN-SB8D-827-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956057
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: STREETWORKS
Catalog Number: GLAN-SB8D-827-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 2700K, 900mA 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: 60582 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G5

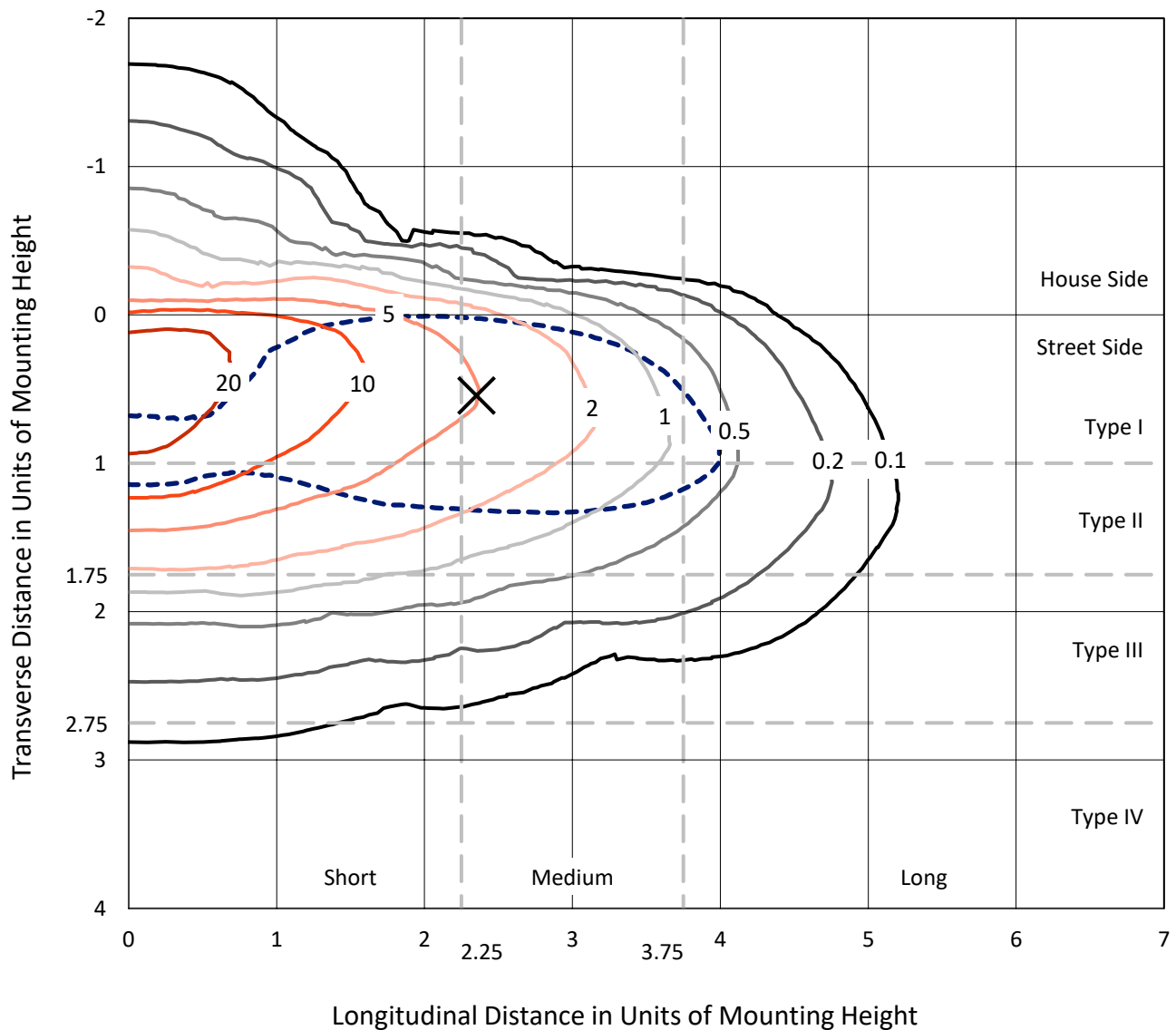
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

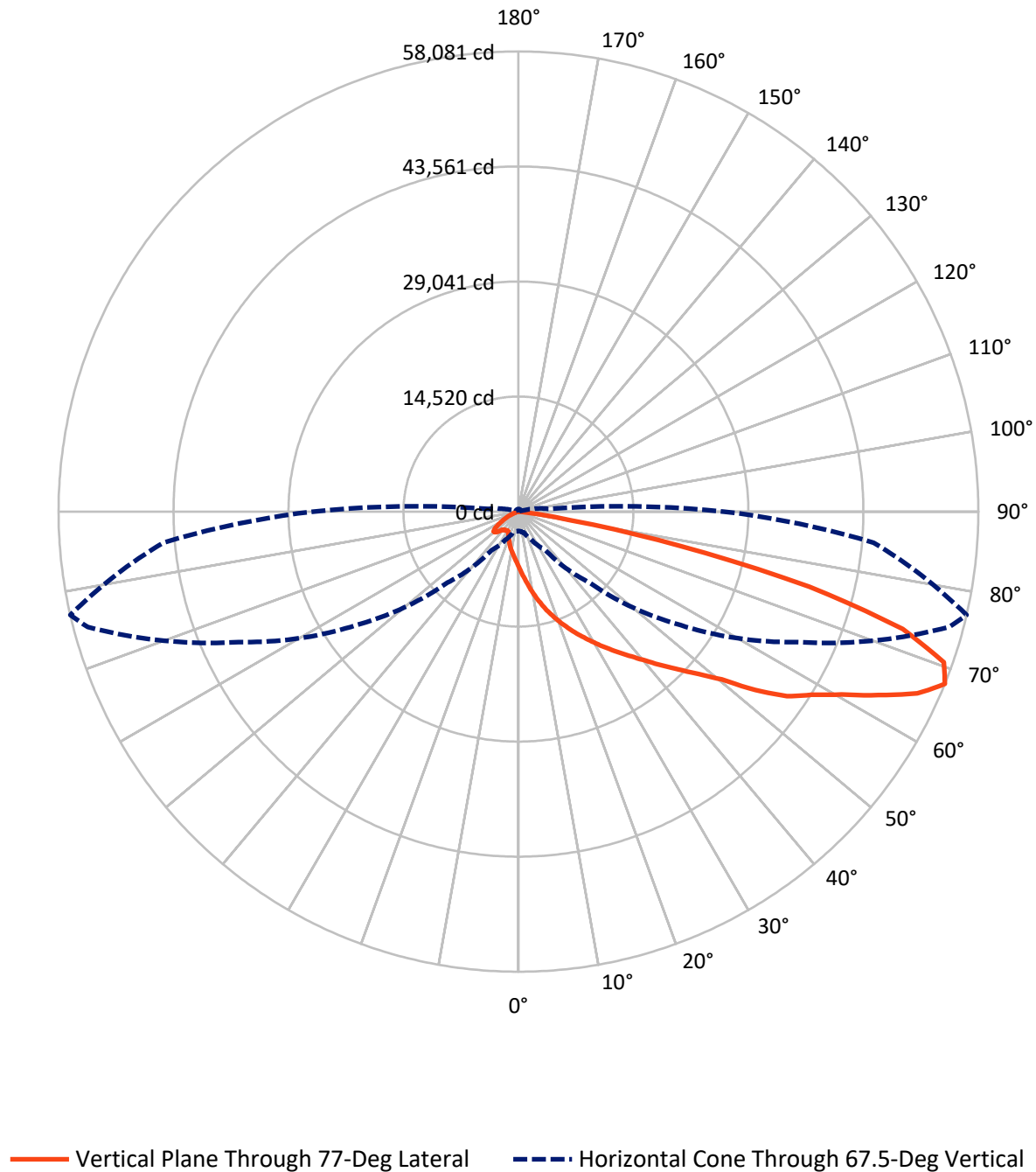
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 26.1 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	4457.0	0.0	4457.0
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	56125.0	0.0	56125.0
	% Fixture	92.6	0.0	92.6
Total	Lumens	60582.0	0.0	60582.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	713.0	1.2
10°-20°	2497.0	4.1
20°-30°	4818.5	8.0
30°-40°	8365.1	13.8
40°-50°	12145.7	20.0
50°-60°	13947.8	23.0
60°-70°	12109.3	20.0
70°-80°	5703.6	9.4
80°-90°	282.1	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°	60582.0	100.0
0°-180°	60582.0	100.0

Coefficient of Utilization



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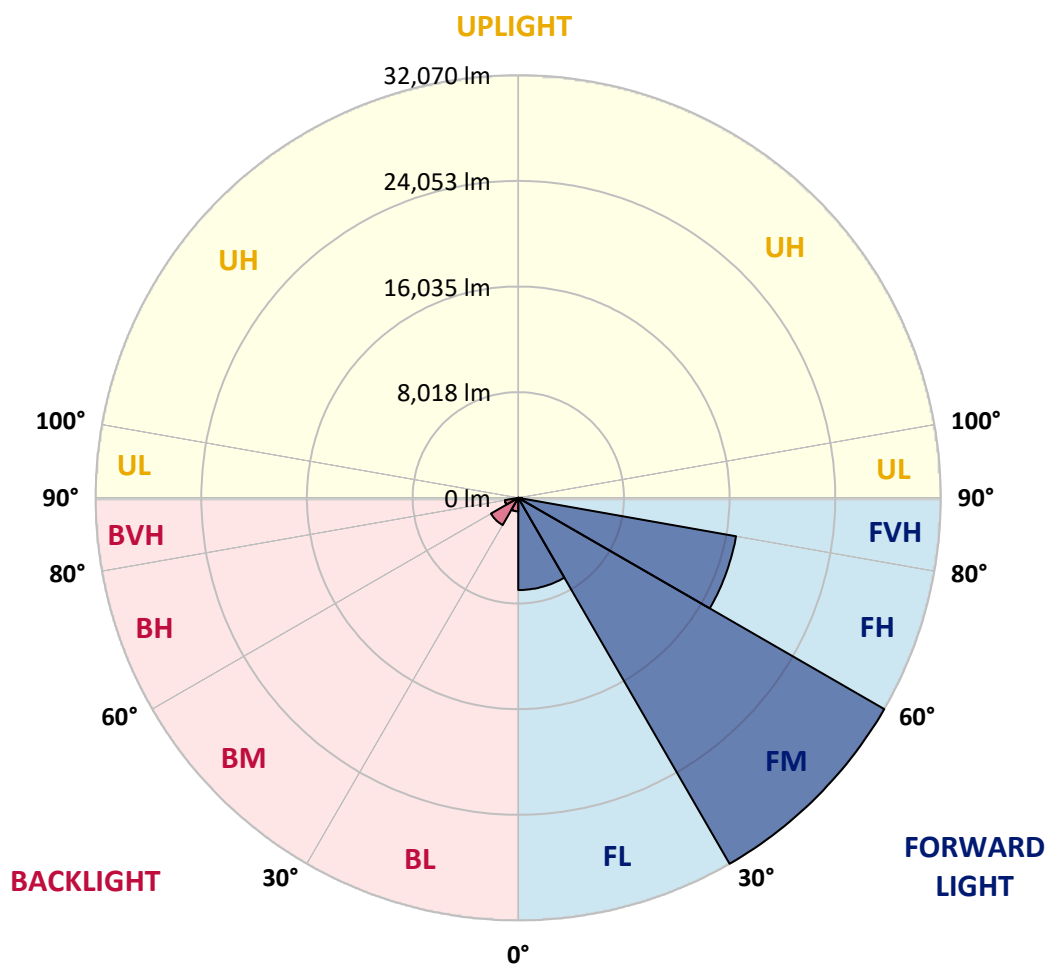
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6996.6	11.5			
FM	(30°-60°)	32070.5	52.9			
FH	(60°-80°)	16781.0	27.7			G5
FVH	(80°-90°)	276.9	0.5			G3/500
BL	(0°-30°)	1031.9	1.7	B3/2500		
BM	(30°-60°)	2388.1	3.9	B2/2500		
BH	(60°-80°)	1031.8	1.7	B3/2500		G3/2500
BVH	(80°-90°)	5.2	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	6986.0	6986.0	6986.0	6986.0	6986.0	6986.0	6986.0	6986.0	6986.0	6986.0
2.5°	9672.0	9732.2	9645.7	9480.2	9231.9	9070.1	8675.1	8302.7	7888.9	7757.2
5°	11790.0	11842.7	11744.9	11564.3	11233.3	10917.3	10398.1	9619.4	8810.6	8551.0
7.5°	13358.8	13388.9	13351.3	13185.7	12869.7	12512.3	11933.0	11011.3	9811.2	9525.3
10°	14487.4	14585.2	14573.9	14510.0	14299.3	14009.6	13392.6	12343.1	10932.3	10563.6
12.5°	15236.0	15345.1	15409.1	15552.0	15540.7	15356.4	14814.7	13704.9	12049.6	11617.0
15°	15454.2	15570.8	15815.4	16146.4	16439.8	16533.9	16153.9	15040.4	13279.8	12726.8
17.5°	15330.1	15510.6	15804.1	16327.0	16970.3	17395.4	17354.0	16330.8	14397.1	13765.1
20°	15604.7	15777.7	16007.2	16447.4	17196.0	17967.2	18275.7	17564.7	15506.9	14844.8
22.5°	17124.5	17094.4	17117.0	17188.5	17636.2	18399.8	19035.6	18685.8	16605.4	15928.2
25°	19532.2	19396.8	19167.3	18779.8	18666.9	19035.6	19697.7	19678.9	17764.1	17038.0
27.5°	22293.5	22270.9	21733.0	20800.0	20273.3	20130.3	20446.4	20645.7	18911.5	18136.5
30°	24938.2	24998.4	24272.3	23234.0	22267.2	21706.6	21420.7	21563.7	20077.7	19321.5
32.5°	27240.5	27304.4	26514.4	25299.3	24103.0	23425.8	22823.9	22470.3	21349.2	20525.4
35°	29185.4	29249.4	28342.8	26999.7	25724.4	25111.2	24430.3	23463.5	22628.3	21860.9
37.5°	30923.5	30904.7	29689.5	28335.2	27082.5	26597.2	26239.8	24686.1	23945.0	23203.9
40°	31950.5	32029.5	30991.2	29497.7	28282.6	27928.9	27906.4	26202.2	25464.8	24746.3
42.5°	32251.4	32390.6	31638.2	30411.8	29309.6	28925.9	29516.5	27842.4	27233.0	26533.2
45°	31709.7	31845.2	31502.8	30652.6	30009.3	29761.0	30900.9	29542.8	29121.5	28429.3
47.5°	30129.7	30299.0	30381.7	30201.2	30193.6	30445.7	32142.3	31333.5	31363.6	30656.4
50°	27071.2	27357.1	28117.0	28756.6	29746.0	30987.4	33349.9	33274.7	33891.7	33282.2
52.5°	21511.0	21917.3	24535.6	26284.9	28508.3	30885.8	34677.9	36389.6	38327.0	37435.5
55°	17286.3	17286.3	19415.6	22688.5	26093.1	30216.2	35257.3	38413.6	41347.9	41137.2
57.5°	14092.4	14261.7	15619.7	18512.7	22598.2	28621.1	35614.7	39685.1	43781.9	43627.7
60°	8697.7	9062.6	11628.3	14483.6	18621.8	25780.8	35388.9	40971.7	46735.1	46859.2
62.5°	4898.1	5033.5	6177.2	10420.7	14479.9	21962.4	33662.2	41690.3	50512.1	51038.8
65°	3382.0	3449.7	3889.9	6485.7	10037.0	17485.7	30287.7	41242.6	54296.6	55361.3
67.5°	2456.6	2490.4	2765.1	3961.4	5955.2	12677.9	24998.4	38985.4	56301.8	58081.2
70°	1888.5	1911.1	2110.5	2603.3	3517.5	7824.9	18155.3	34497.3	54849.7	56975.2
72.5°	1534.9	1557.5	1711.7	1926.1	2332.4	4627.2	11003.8	28015.5	48439.2	50734.0
75°	1294.1	1324.2	1463.4	1602.6	1828.3	2972.0	5161.4	19509.6	36427.2	37932.0
77.5°	718.5	662.1	1188.8	1328.0	1542.4	1881.0	2415.2	11481.6	20401.2	20818.8
80°	447.7	462.7	944.3	1068.4	1185.0	948.0	1106.0	4420.3	7072.5	6718.9
82.5°	26.3	60.2	726.1	771.2	812.6	406.3	417.6	1501.0	1704.2	1565.0
85°	0.0	0.0	331.1	267.1	282.1	116.6	120.4	349.9	229.5	248.3
87.5°	0.0	0.0	0.0	7.5	0.0	11.3	22.6	30.1	11.3	15.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
6986.0	0°	6986.0	6986.0	6986.0	6986.0	6986.0	6986.0	6986.0	6986.0	6986.0	6986.0
7343.4	2.5°	7080.0	6816.7	6282.5	5759.6	5334.5	4939.5	4657.3	4390.2	4254.8	4247.3
7817.4	5°	7294.5	6741.5	5673.1	4728.8	3968.9	3359.4	2964.4	2682.3	2539.3	2490.4
8400.5	7.5°	7595.4	6764.0	5138.9	3825.9	2930.6	2407.7	2181.9	2091.7	2061.6	2027.7
9058.8	10°	7975.4	6816.7	4661.1	3081.1	2309.9	2046.5	1956.2	1918.6	1896.0	1873.5
9800.0	12.5°	8400.5	6865.6	4187.1	2558.1	2031.5	1896.0	1832.1	1786.9	1756.8	1730.5
10559.9	15°	8814.3	6895.7	3694.3	2193.2	1888.5	1779.4	1711.7	1662.8	1621.4	1591.3
11304.7	17.5°	9224.4	6937.1	3231.5	1975.0	1771.9	1662.8	1595.1	1534.9	1501.0	1467.2
12087.2	20°	9679.6	6929.6	2795.2	1820.8	1655.3	1546.2	1474.7	1418.3	1384.4	1346.8
12914.9	22.5°	10100.9	6891.9	2411.4	1689.1	1534.9	1429.6	1350.6	1294.1	1260.3	1230.2
13761.3	25°	10586.2	6861.8	2091.7	1568.7	1422.0	1316.7	1230.2	1177.5	1139.9	1113.5
14611.5	27.5°	11052.7	6816.7	1858.4	1459.6	1312.9	1211.4	1128.6	1068.4	1034.5	1015.7
15488.1	30°	11511.7	6805.4	1771.9	1354.3	1215.1	1113.5	1030.8	974.4	948.0	940.5
16451.1	32.5°	12064.7	6835.5	1809.5	1316.7	1124.8	1023.3	944.3	902.9	876.5	876.5
17523.3	35°	12655.3	6828.0	1865.9	1350.6	1064.6	933.0	872.8	846.4	820.1	820.1
18712.1	37.5°	13396.4	6839.3	1911.1	1407.0	1042.1	857.7	823.9	790.0	775.0	775.0
20013.7	40°	14502.4	7211.7	1888.5	1455.9	1034.5	805.1	737.3	726.1	714.8	714.8
21484.7	42.5°	15856.7	8020.5	1918.6	1459.6	1030.8	767.4	677.2	699.7	673.4	669.6
23143.7	45°	17339.0	8904.6	2110.5	1380.6	1027.0	748.6	647.1	673.4	632.0	632.0
25066.1	47.5°	18809.9	9781.1	2306.1	1267.8	1015.7	744.9	620.7	605.7	594.4	598.2
27571.5	50°	20837.6	10495.9	2381.3	1113.5	989.4	737.3	571.8	575.6	568.1	575.6
31104.0	52.5°	23045.9	10646.4	2291.0	940.5	914.2	714.8	538.0	553.0	549.2	556.8
33590.7	55°	24422.8	10484.6	1892.3	782.5	797.5	624.5	504.1	534.2	534.2	534.2
36020.9	57.5°	25844.8	9796.2	1343.0	635.8	662.1	511.6	474.0	515.4	511.6	507.9
38947.8	60°	26868.1	8682.6	884.1	522.9	526.7	421.3	440.2	485.3	481.5	462.7
41964.9	62.5°	27631.7	7452.5	568.1	443.9	402.5	380.0	402.5	440.2	425.1	383.7
44523.0	65°	27545.2	5748.3	436.4	380.0	331.1	331.1	349.9	383.7	338.6	270.9
45012.1	67.5°	25938.8	3889.9	361.1	319.8	278.4	274.6	289.7	319.8	289.7	229.5
42506.6	70°	23068.5	2543.1	289.7	248.3	222.0	203.1	233.2	274.6	244.5	184.3
36186.5	72.5°	18723.4	1549.9	218.2	180.6	161.8	131.7	184.3	225.7	195.6	135.4
25163.9	75°	12113.6	790.0	150.5	116.6	86.5	79.0	135.4	169.3	135.4	82.8
11165.6	77.5°	4634.8	331.1	82.8	52.7	45.1	37.6	75.2	101.6	56.4	18.8
2163.1	80°	891.6	139.2	41.4	26.3	22.6	15.0	11.3	7.5	0.0	0.0
383.7	82.5°	154.2	45.1	15.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0
75.2	85°	52.7	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26.3	87.5°	18.8	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°
6986.0
4239.8
2482.9
2020.2
1865.9
1723.0
1587.6
1463.4
1343.0
1226.4
1109.8
1015.7
936.7
876.5
820.1
775.0
714.8
665.9
632.0
598.2
575.6
556.8
534.2
507.9
462.7
376.2
263.3
222.0
176.8
127.9
71.5
15.0
0.0
0.0
0.0
0.0
0.0