

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: P942686

Luminaire Tested: **GALN-SB6D-760-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942686
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6D-760-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5700K, 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: 51202 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

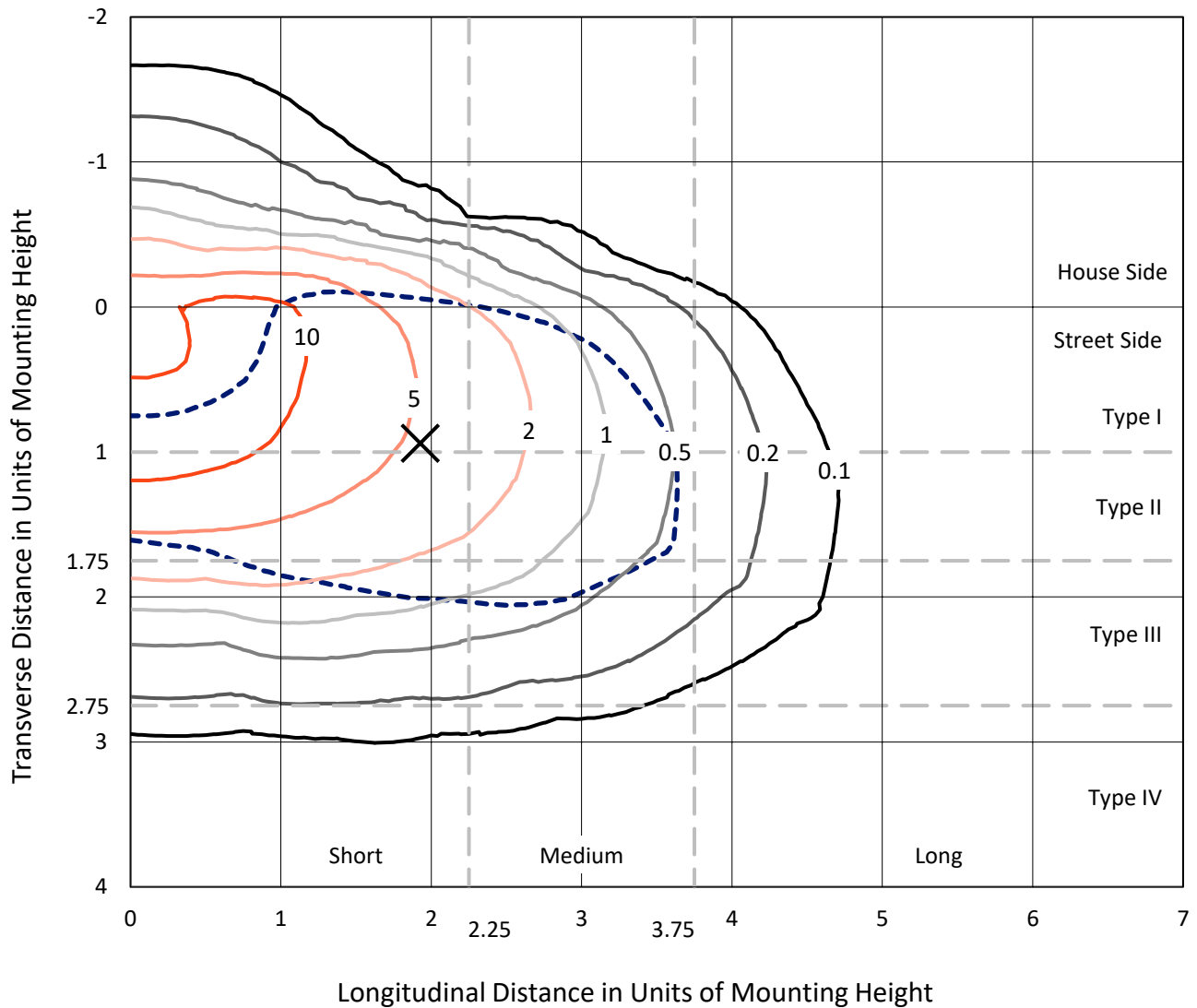
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

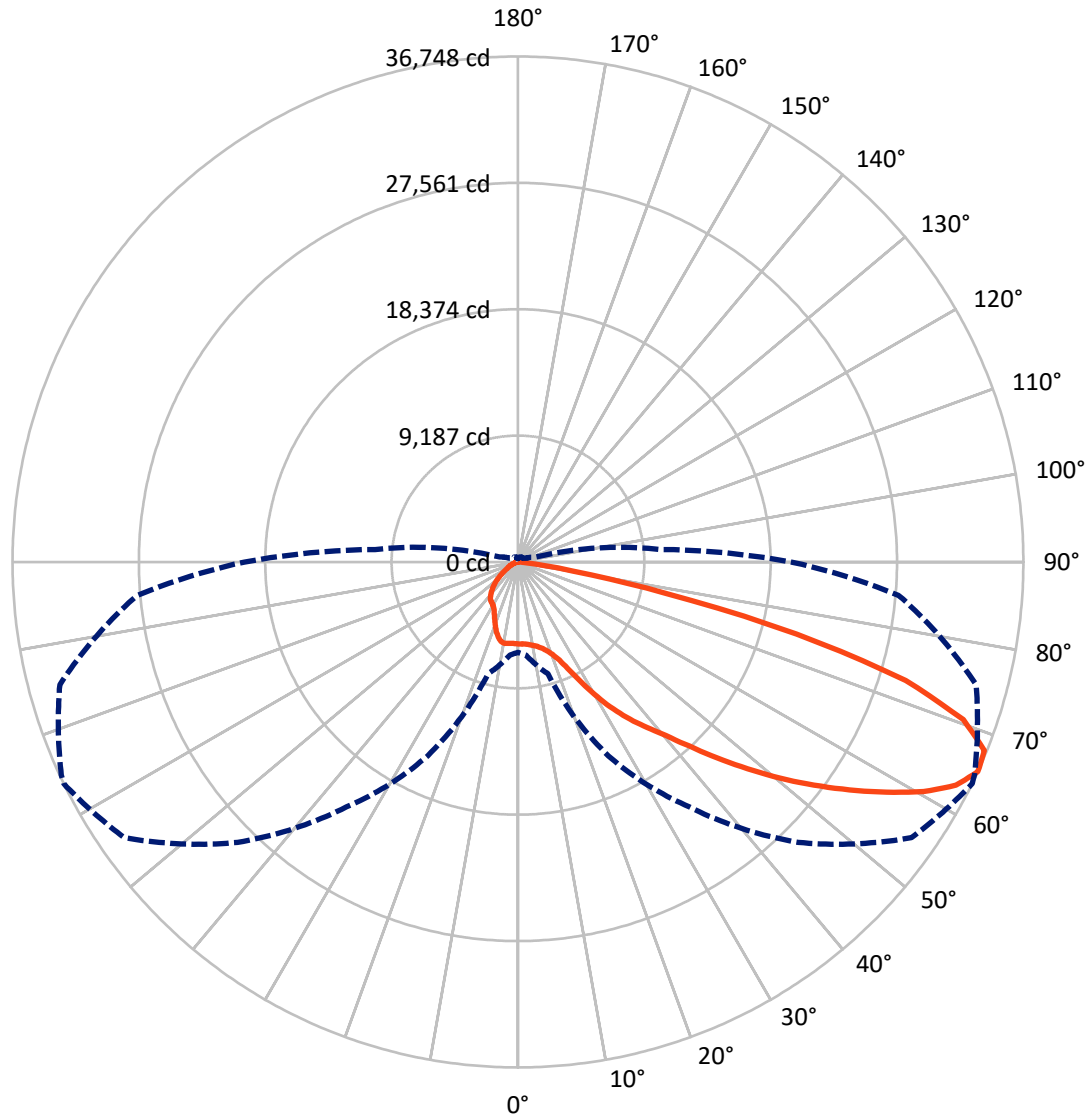
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15 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	6847.3	0.0	6847.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	44354.7	0.0	44354.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	51202.0	0.0	51202.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	549.4	1.1
10°-20°	1490.2	2.9
20°-30°	2823.9	5.5
30°-40°	5714.2	11.2
40°-50°	9734.1	19.0
50°-60°	13237.7	25.9
60°-70°	12430.9	24.3
70°-80°	4980.3	9.7
80°-90°	241.3	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°	51202.0	100.0
0°-180°	51202.0	100.0

Coefficient of Utilization



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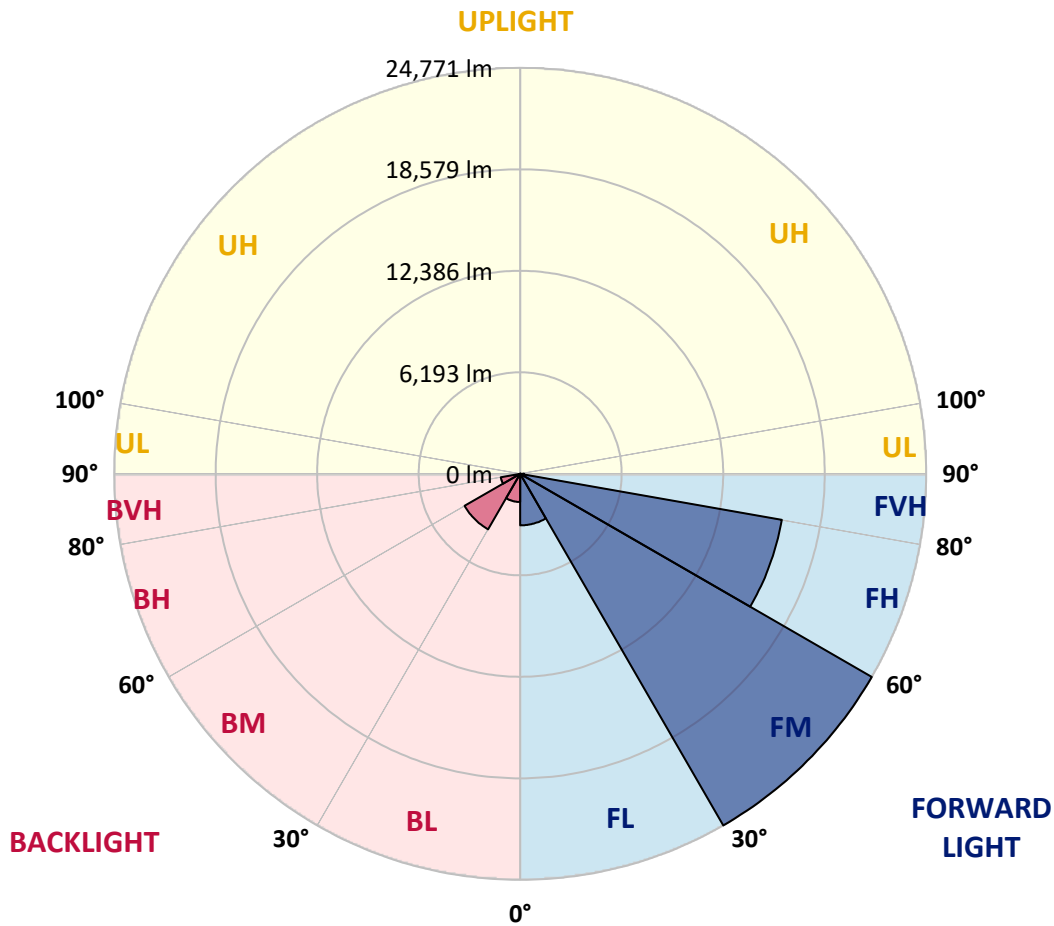
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3144.4	6.1			
FM (30°-60°)	24771.5	48.4			
FH (60°-80°)	16209.4	31.7			G5
FVH (80°-90°)	229.5	0.4			G3/500
BL (0°-30°)	1719.1	3.4	B3/2500		
BM (30°-60°)	3914.5	7.6	B3/5000		
BH (60°-80°)	1201.8	2.3	B3/2500		G3/2500
BVH (80°-90°)	11.8	0.0			G1/100
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°	5955.3	5955.3	5955.3	5955.3	5955.3	5955.3	5955.3	5955.3	5955.3	5955.3
2.5°	5934.7	5975.9	5965.6	5955.3	5951.9	5958.8	5962.2	5958.8	5958.8	5958.8
5°	5821.5	5855.8	5855.8	5879.8	5914.1	5955.3	5986.2	5993.1	5999.9	6010.2
7.5°	5605.2	5632.7	5653.3	5732.2	5818.0	5927.9	6020.5	6068.6	6075.5	6113.2
10°	5457.6	5491.9	5526.3	5608.6	5732.2	5897.0	6054.9	6171.6	6188.7	6278.0
12.5°	5450.8	5485.1	5529.7	5618.9	5763.1	5938.2	6130.4	6298.6	6329.5	6459.9
15°	5522.8	5564.0	5605.2	5715.1	5869.5	6082.3	6288.3	6497.7	6528.5	6713.9
17.5°	5670.4	5725.3	5756.2	5866.1	6030.8	6267.7	6538.8	6779.1	6806.6	7022.8
20°	5962.2	6027.4	6037.7	6126.9	6288.3	6542.3	6864.9	7163.6	7197.9	7445.0
22.5°	6566.3	6659.0	6576.6	6621.2	6765.4	7019.4	7369.5	7747.1	7795.1	8076.6
25°	7630.4	7760.8	7548.0	7472.5	7534.3	7798.6	8237.9	8715.0	8769.9	8996.5
27.5°	9720.7	9552.5	9229.9	8914.1	8728.8	8879.8	9374.1	9964.4	10033.1	10252.8
30°	12017.1	11869.5	11433.5	10733.3	10294.0	10269.9	10726.4	11385.5	11464.4	11673.8
32.5°	14316.8	14176.1	13702.4	12840.8	12078.8	11701.3	12017.1	12748.2	12789.4	12923.2
35°	16578.8	16434.6	15961.0	15078.8	14141.7	13283.6	13221.8	14045.6	14059.4	14200.1
37.5°	18854.5	18734.4	18229.8	17364.8	16441.5	15257.3	14684.1	15274.5	15291.6	15428.9
40°	20478.1	20529.6	20182.9	19513.6	18720.7	17426.6	16324.8	16582.2	16479.3	16709.2
42.5°	21871.7	21974.6	21672.6	21336.2	20876.2	19736.7	18356.8	18312.2	18147.4	18271.0
45°	23076.5	23162.3	22891.1	22812.2	22801.9	22002.1	20577.6	20309.9	20079.9	20055.9
47.5°	23519.2	23684.0	23800.7	24065.0	24579.9	24243.5	22873.9	22458.6	22201.2	22012.4
50°	23687.4	23862.5	24260.7	25029.5	26248.0	26392.2	25160.0	24693.1	24377.4	24034.1
52.5°	23460.9	23773.2	24308.7	25602.7	27370.5	28115.3	27353.3	26944.8	26584.4	26024.9
55°	22125.7	22438.0	23533.0	25595.9	27930.0	29323.5	29426.5	29244.6	28839.6	27957.4
57.5°	19311.0	19774.4	21507.8	24724.0	27919.7	30363.6	31458.5	31589.0	31135.9	29872.7
60°	15411.8	16039.9	18154.3	22791.6	27058.1	30926.5	33240.0	33892.1	33411.6	31760.6
62.5°	10753.9	11481.6	13482.7	19764.1	25087.9	30521.5	34540.9	35745.7	35381.8	33449.4
65°	6559.4	6792.8	8406.1	15552.5	21737.8	28825.8	34942.5	36748.0	36627.8	34482.5
67.5°	4369.5	4565.2	5028.6	10664.7	16874.0	25438.0	33981.4	36572.9	36607.2	34314.3
70°	2632.7	2800.9	3102.9	6202.5	10935.8	20134.8	31005.4	34341.8	34540.9	32066.1
72.5°	1084.7	1197.9	1472.5	2811.2	5663.6	12779.1	24689.7	29484.9	29948.2	26962.0
75°	614.4	672.8	865.0	1410.7	2457.6	5955.3	14955.2	20931.2	21614.2	18583.4
77.5°	408.5	435.9	559.5	913.0	1383.3	2032.0	6391.2	10904.9	12209.3	10149.8
80°	274.6	298.6	384.4	611.0	899.3	871.8	2035.5	4040.0	4970.2	3487.4
82.5°	185.4	188.8	274.6	401.6	569.8	422.2	600.7	1256.3	1578.9	1009.1
85°	106.4	103.0	202.5	233.4	254.0	175.1	181.9	377.6	494.3	425.6
87.5°	13.7	20.6	78.9	61.8	34.3	37.8	37.8	65.2	96.1	103.0
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°
5955.3	0°	5955.3	5955.3	5955.3	5955.3	5955.3	5955.3	5955.3	5955.3	5955.3	5955.3
5962.2	2.5°	5962.2	5958.8	5948.5	5938.2	5914.1	5900.4	5907.3	5900.4	5897.0	5900.4
6006.8	5°	6006.8	5996.5	5969.1	5934.7	5886.7	5828.3	5790.6	5735.6	5684.2	5653.3
6126.9	7.5°	6126.9	6116.7	6078.9	5982.8	5828.3	5584.6	5361.5	5165.9	5018.3	4932.5
6319.2	10°	6319.2	6302.0	6243.7	6030.8	5625.8	5093.8	4651.0	4283.7	4043.4	3930.2
6545.7	12.5°	6545.7	6525.1	6422.1	5986.2	5241.4	4410.7	3799.7	3391.3	3168.2	3068.6
6806.6	15°	6813.4	6786.0	6583.5	5773.4	4681.9	3655.6	3096.1	2790.6	2646.4	2557.2
7139.5	17.5°	7146.4	7098.3	6703.6	5454.2	4074.3	3078.9	2663.6	2433.6	2306.6	2220.8
7575.4	20°	7578.9	7499.9	6799.7	5073.2	3514.8	2715.1	2371.8	2179.6	2083.5	2008.0
8193.3	22.5°	8183.0	8069.7	6916.4	4661.3	3120.1	2464.5	2155.6	2014.9	1935.9	1850.1
9054.8	25°	8931.3	8797.4	7060.6	4280.3	2848.9	2248.3	1997.7	1881.0	1788.3	1688.8
10184.1	27.5°	9978.2	9737.9	7232.2	3967.9	2615.5	2062.9	1853.5	1723.1	1616.7	1534.3
11464.4	30°	11145.2	10750.5	7383.2	3779.1	2402.7	1891.3	1664.7	1534.3	1434.8	1376.4
12614.3	32.5°	12250.5	11715.0	7482.8	3696.8	2210.5	1695.6	1458.8	1318.1	1242.6	1225.4
13740.2	35°	13293.9	12586.8	7472.5	3617.8	2038.9	1500.0	1256.3	1112.1	1053.8	1064.1
14951.8	37.5°	14495.3	13517.0	7400.4	3494.2	1898.2	1321.5	1081.2	954.2	902.7	906.2
16424.3	40°	15892.3	14591.4	7355.8	3260.8	1743.7	1156.7	937.1	834.1	796.3	782.6
17975.8	42.5°	17382.0	15631.4	7362.6	2996.5	1551.5	1009.1	837.5	751.7	717.4	707.1
19702.3	45°	18878.5	16623.4	7372.9	2721.9	1349.0	895.9	765.4	693.4	672.8	659.0
21452.9	47.5°	20285.9	17467.8	7180.7	2426.8	1149.9	810.1	707.1	659.0	641.9	624.7
23210.3	50°	21597.1	18030.7	6717.3	2083.5	992.0	741.4	662.5	628.1	611.0	593.8
24803.0	52.5°	22616.5	18120.0	5951.9	1730.0	882.1	689.9	635.0	604.1	583.5	566.4
26090.2	55°	23069.6	17560.5	4863.8	1400.4	796.3	645.3	607.5	576.7	552.6	535.5
27102.7	57.5°	22952.9	16383.1	3792.9	1125.8	714.0	600.7	573.2	552.6	525.2	497.7
27923.1	60°	22379.7	14807.6	2859.2	937.1	638.4	552.6	535.5	518.3	480.5	439.4
28238.9	62.5°	21387.7	12827.1	2038.9	775.7	556.1	497.7	490.8	477.1	422.2	346.7
27772.1	65°	19870.5	10421.0	1373.0	645.3	477.1	435.9	439.4	415.3	343.2	257.4
26062.7	67.5°	17653.2	7620.1	878.7	528.6	398.2	363.8	367.3	353.5	291.8	219.7
22822.5	70°	14828.2	5045.7	573.2	401.6	319.2	281.5	302.1	305.5	247.1	178.5
17515.9	72.5°	10870.6	2979.4	401.6	298.6	233.4	195.7	247.1	254.0	199.1	133.9
10537.7	75°	6195.6	1414.2	302.1	216.2	144.2	137.3	192.2	192.2	137.3	89.2
4561.7	77.5°	2601.8	590.4	212.8	140.7	82.4	78.9	130.4	120.1	68.6	41.2
1112.1	80°	751.7	264.3	113.3	68.6	34.3	30.9	51.5	37.8	17.2	6.9
422.2	82.5°	295.2	116.7	44.6	27.5	13.7	13.7	6.9	0.0	0.0	0.0
240.3	85°	175.1	48.1	20.6	10.3	3.4	0.0	0.0	0.0	0.0	0.0
51.5	87.5°	44.6	10.3	6.9	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

(END O

<u>180°</u>
5955.3
5914.1
5660.1
4935.9
3919.9
3058.3
2560.6
2213.9
1994.3
1836.4
1678.5
1517.1
1366.1
1235.7
1064.1
919.9
779.2
703.7
659.0
624.7
593.8
562.9
532.0
494.3
432.5
339.8
250.6
209.4
171.6
127.0
82.4
41.2
6.9
0.0
0.0
0.0
0.0

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