

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: P532625

Luminaire Tested: **GALN-SA8A-730-U-SL2-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532625  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SA8A-730-U-SL2-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19630 lumens  
Efficiency: N/A  
Efficacy: 80.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2

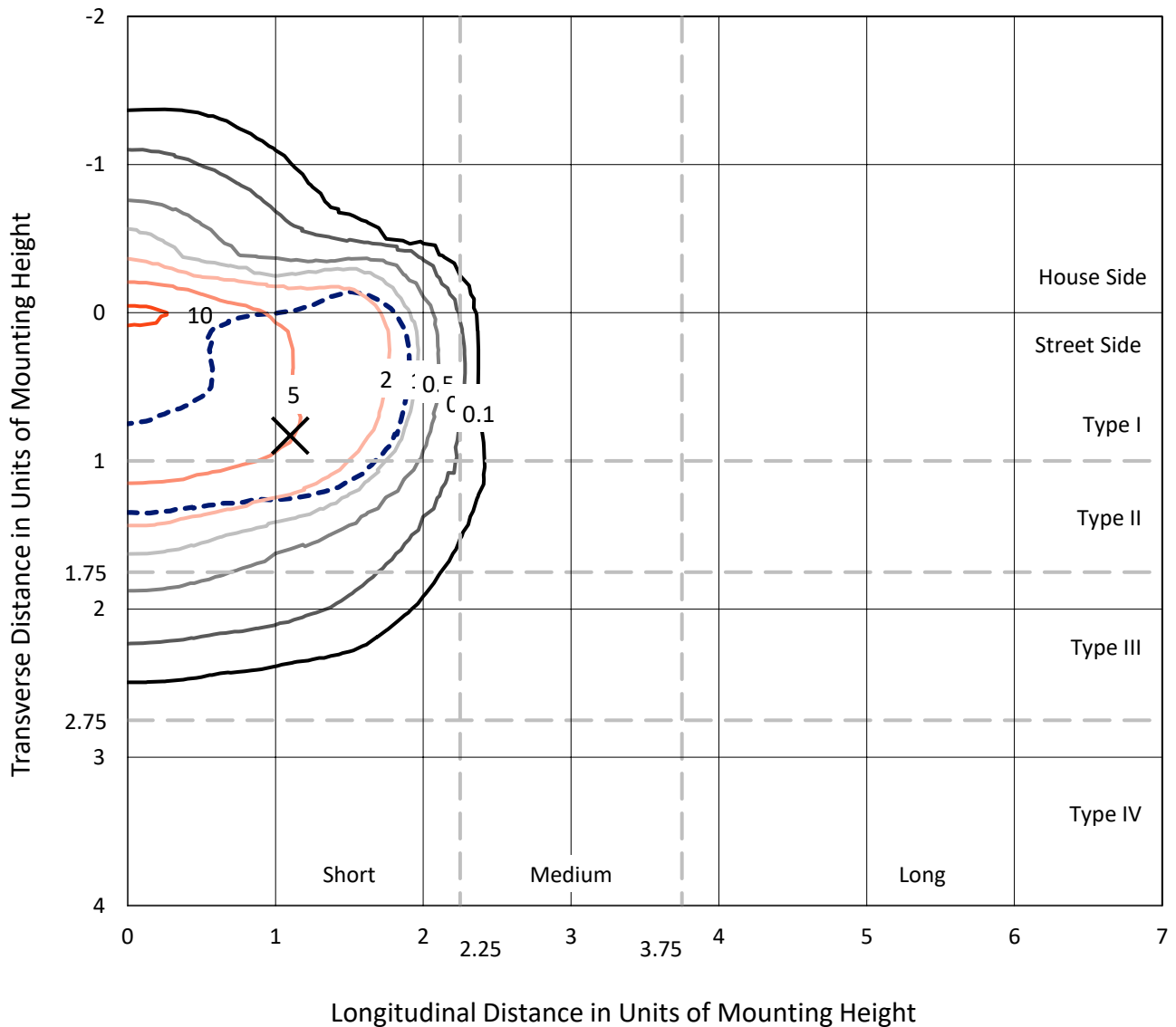
Input Watts (W): 244  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

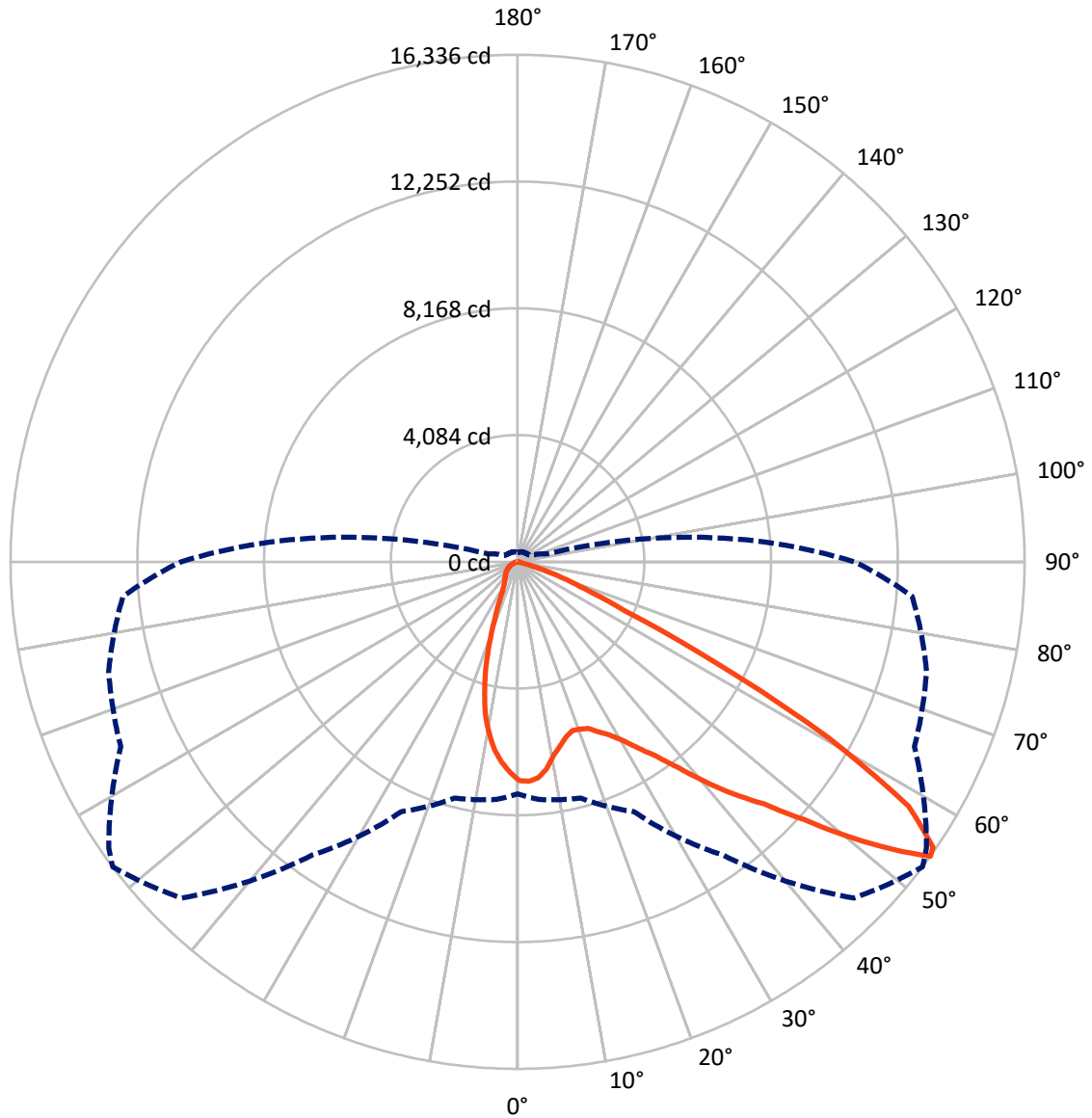
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral      - - - Horizontal Cone Through 54-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3247.8	0.0	3247.8
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	16382.2	0.0	16382.2
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	19630.0	0.0	19630.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	604.9	3.1
10°-20°	1386.9	7.1
20°-30°	1971.1	10.0
30°-40°	3042.0	15.5
40°-50°	4769.5	24.3
50°-60°	5540.5	28.2
60°-70°	2093.5	10.7
70°-80°	199.1	1.0
80°-90°	22.4	0.1
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°	19630.0	100.0
0°-180°	19630.0	100.0

**Coefficient of Utilization**

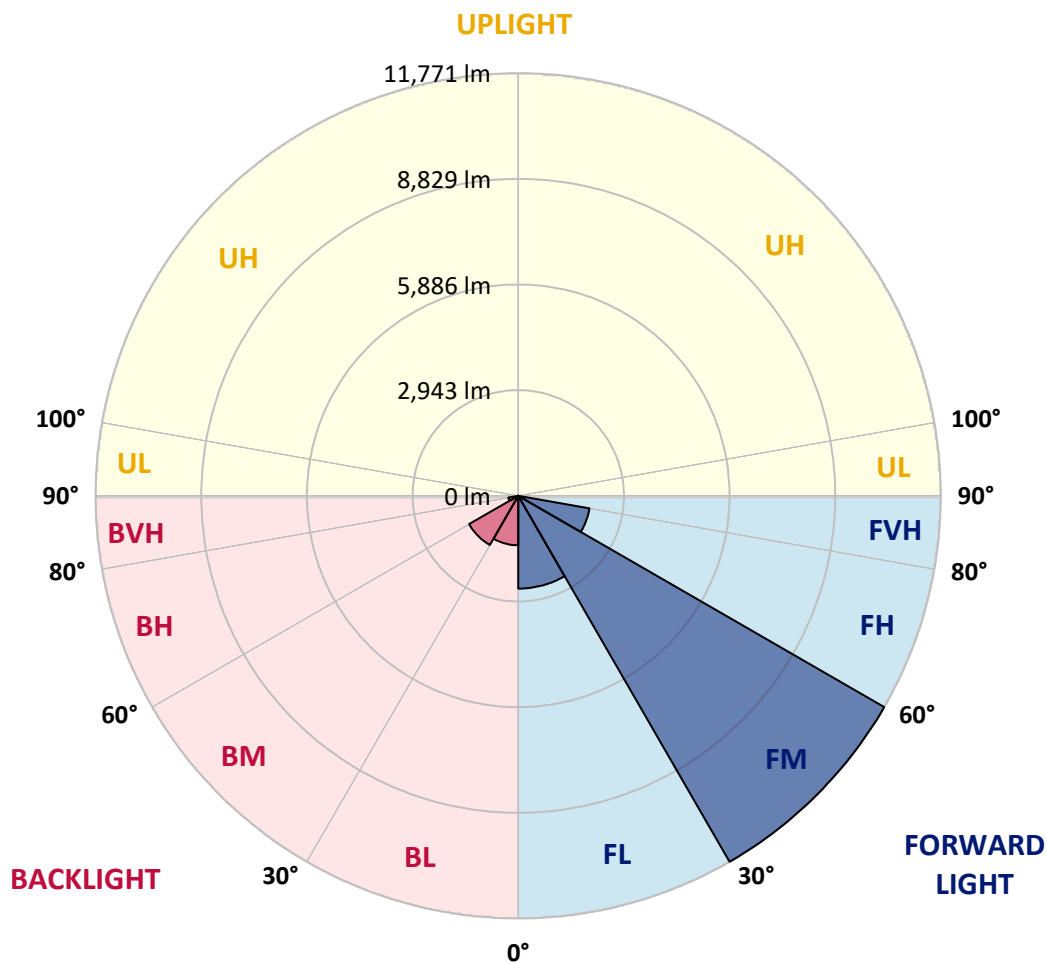


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2584.8	13.2			
FM (30°-60°)	11771.5	60.0			
FH (60°-80°)	2014.3	10.3			G2/5000
FVH (80°-90°)	11.6	0.1			G1/100
BL (0°-30°)	1378.2	7.0	B3/2500		
BM (30°-60°)	1580.5	8.1	B2/2500		
BH (60°-80°)	278.3	1.4	B1/500		G1/500
BVH (80°-90°)	10.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	7050.8	7050.8	7050.8	7050.8	7050.8	7050.8	7050.8	7050.8	7050.8	7050.8	7050.8
2.5°	7014.2	6952.0	7014.2	7021.5	7065.4	7105.6	7080.0	7138.5	7105.6	7069.1	7058.1
5°	6447.4	6531.5	6535.1	6666.8	6637.5	6878.9	6984.9	6955.7	7134.9	7123.9	7098.3
7.5°	5939.0	5906.1	5950.0	6103.6	6297.4	6575.4	6728.9	6725.3	6981.3	7164.1	7145.8
10°	5467.3	5463.6	5555.0	5675.7	5840.3	6132.8	6345.0	6451.0	6849.6	7127.6	7167.8
12.5°	5149.1	5134.5	5233.2	5332.0	5591.6	5818.3	6089.0	6140.2	6597.3	6999.6	7065.4
15°	4940.7	4973.6	4980.9	5171.0	5335.6	5635.5	5847.6	5953.7	6480.3	6897.2	7149.5
17.5°	4904.1	4948.0	4951.6	5108.9	5284.4	5536.8	5723.3	5865.9	6381.5	6948.4	7153.2
20°	4977.2	4951.6	4973.6	5072.3	5244.2	5485.6	5756.2	5803.7	6348.6	6974.0	7193.4
22.5°	5185.7	5178.4	5123.5	5204.0	5324.6	5577.0	5833.0	5906.1	6443.7	7105.6	7226.3
25°	5416.1	5456.3	5405.1	5394.1	5478.2	5726.9	6067.0	6162.1	6761.9	7343.3	7328.7
27.5°	5847.6	5807.4	5807.4	5756.2	5734.2	5854.9	6319.4	6476.6	7116.6	7650.5	7445.7
30°	6260.8	6304.7	6271.8	6290.1	6143.8	6132.8	6677.7	6871.6	7745.6	8118.6	7694.4
32.5°	6915.5	6856.9	6911.8	6864.3	6670.4	6473.0	7164.1	7365.3	8506.3	8656.2	8067.4
35°	7460.4	7434.8	7668.8	7661.5	7347.0	7153.2	7679.8	7979.7	9036.5	9299.8	8506.3
37.5°	8235.6	8188.1	8455.1	8583.1	8301.5	8012.6	8418.5	8765.9	9530.2	9815.5	8956.1
40°	9032.9	9153.6	9512.0	9724.1	9424.2	9040.2	9321.8	9427.8	9859.4	10151.9	9263.3
42.5°	10042.2	10217.8	10583.5	10766.3	10740.7	10323.8	10239.7	10236.0	10097.1	10056.8	9490.0
45°	11011.3	10945.5	11508.7	11907.3	12229.1	12108.4	11124.7	11015.0	10473.8	10199.5	9548.5
47.5°	11435.6	11413.6	11797.6	12507.1	13604.2	13754.1	12412.0	11987.8	11110.1	10799.2	9866.7
50°	10887.0	11000.4	11380.7	12167.0	13849.2	14993.8	13991.8	13421.3	11852.5	11530.6	10620.0
52.5°	9095.0	9171.8	9533.9	10532.3	13015.4	15725.3	15505.8	15176.7	13216.5	12682.6	11932.9
54°	7478.6	7683.4	7880.9	8882.9	11530.6	15319.3	16336.0	16083.6	14105.2	13640.7	12759.4
55°	6513.2	6633.9	6776.5	7774.9	10503.0	14631.8	16240.9	16262.8	14701.3	13940.6	13315.3
57.5°	4757.8	4841.9	4695.6	5138.1	7211.7	11881.7	14854.9	15447.3	15505.8	14390.4	13655.4
60°	3635.1	3671.7	3507.1	3576.6	4483.5	8155.2	11490.4	12203.5	13988.2	12576.5	11567.2
62.5°	2819.6	2826.9	2823.2	2943.9	3090.2	4798.0	7186.1	7818.7	9643.6	8930.5	7855.3
65°	2077.2	2044.3	2102.8	2468.5	2636.7	3017.1	3785.0	4245.8	5240.5	4425.0	3163.3
67.5°	1345.8	1356.8	1415.3	1835.8	2260.0	2314.9	2329.5	2293.0	2296.6	1265.3	793.6
70°	808.2	826.5	808.2	1038.6	1616.4	1660.3	1517.7	1481.1	1155.6	299.9	296.2
72.5°	479.1	453.5	405.9	446.2	672.9	804.5	724.1	720.4	453.5	175.5	175.5
75°	201.1	182.9	149.9	135.3	179.2	171.9	171.9	153.6	120.7	117.0	109.7
77.5°	40.2	40.2	29.3	32.9	43.9	51.2	62.2	62.2	73.1	73.1	69.5
80°	0.0	3.7	11.0	21.9	32.9	47.5	54.9	54.9	62.2	62.2	51.2
82.5°	0.0	3.7	11.0	21.9	29.3	43.9	54.9	54.9	62.2	65.8	54.9
85°	0.0	3.7	11.0	18.3	29.3	36.6	36.6	32.9	25.6	21.9	14.6
87.5°	0.0	0.0	3.7	7.3	3.7	7.3	7.3	7.3	7.3	7.3	7.3
90°	0.0	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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7050.8	7050.8	7050.8	7050.8	7050.8	7050.8	7050.8	7050.8	7050.8	7050.8	7050.8
2.5°	7083.7	7080.0	6992.3	6849.6	6816.7	6696.0	6681.4	6608.3	6648.5	6513.2	6498.6
5°	7025.2	6981.3	6875.2	6783.8	6516.8	6326.7	6176.7	5993.9	5887.8	5906.1	5836.6
7.5°	7109.3	6995.9	6809.4	6491.2	6165.8	5833.0	5653.8	5280.8	5145.4	4944.3	4915.1
10°	7021.5	6937.4	6648.5	6121.9	5672.1	5193.0	4772.4	4359.2	4044.7	3909.4	3880.1
12.5°	7014.2	6867.9	6385.2	5800.1	5149.1	4461.6	3850.9	3335.2	3024.4	2848.8	2808.6
15°	6900.8	6725.3	6089.0	5302.7	4403.1	3547.3	2881.7	2384.4	2146.7	2044.3	2073.5
17.5°	6911.8	6648.5	5792.7	4776.1	3668.0	2603.8	1967.5	1711.5	1649.3	1674.9	1674.9
20°	6900.8	6476.6	5434.4	4169.0	2808.6	1806.6	1444.5	1353.1	1393.3	1473.8	1455.5
22.5°	6842.3	6396.2	5105.2	3529.0	2066.2	1338.5	1159.3	1162.9	1225.1	1323.8	1345.8
25°	6886.2	6217.0	4688.3	2881.7	1506.7	1067.9	1005.7	1031.3	1097.1	1170.3	1184.9
27.5°	6853.3	6089.0	4253.1	2238.1	1100.8	917.9	914.3	943.5	972.8	1027.6	1027.6
30°	6889.9	5971.9	3825.3	1664.0	906.9	841.1	826.5	848.4	877.7	888.7	885.0
32.5°	7025.2	5884.2	3331.6	1243.4	800.9	768.0	768.0	768.0	764.3	778.9	782.6
35°	7321.4	5898.8	2896.4	961.8	731.4	705.8	694.8	680.2	672.9	680.2	683.9
37.5°	7643.2	5891.5	2446.6	819.2	680.2	658.3	632.7	610.7	607.1	614.4	603.4
40°	7785.8	5961.0	2029.7	735.1	632.7	607.1	566.8	548.6	552.2	559.5	552.2
42.5°	7979.7	5982.9	1759.0	669.2	588.8	548.6	523.0	501.0	497.4	508.3	504.7
45°	7976.0	5858.6	1473.8	632.7	548.6	504.7	471.8	453.5	453.5	460.8	464.4
47.5°	8210.0	5840.3	1265.3	599.8	519.3	475.4	435.2	420.6	416.9	416.9	409.6
50°	8754.9	6096.3	1104.4	563.2	482.7	442.5	409.6	391.3	376.7	369.4	365.7
52.5°	9819.1	6893.5	980.1	519.3	442.5	409.6	380.3	365.7	347.4	329.1	325.5
54°	10850.4	7716.3	972.8	482.7	409.6	387.6	362.0	354.7	332.8	307.2	299.9
55°	11314.9	8195.4	998.4	453.5	387.6	373.0	351.1	343.8	321.8	292.6	288.9
57.5°	11698.9	8381.9	983.7	376.7	351.1	347.4	329.1	318.2	292.6	252.3	245.0
60°	9416.9	6337.6	705.8	332.8	321.8	314.5	299.9	292.6	259.6	215.8	212.1
62.5°	5950.0	3646.1	449.8	292.6	281.6	270.6	252.3	245.0	215.8	171.9	160.9
65°	2534.3	1510.4	303.5	259.6	241.4	223.1	208.5	197.5	171.9	128.0	124.3
67.5°	658.3	537.6	252.3	226.7	201.1	175.5	164.6	146.3	117.0	87.8	84.1
70°	296.2	270.6	212.1	190.2	160.9	135.3	120.7	102.4	76.8	58.5	54.9
72.5°	175.5	171.9	160.9	142.6	120.7	102.4	87.8	69.5	51.2	32.9	32.9
75°	109.7	106.1	109.7	98.7	84.1	76.8	65.8	47.5	29.3	14.6	14.6
77.5°	65.8	65.8	65.8	62.2	58.5	58.5	47.5	29.3	14.6	3.7	3.7
80°	51.2	51.2	54.9	51.2	51.2	51.2	40.2	21.9	7.3	0.0	0.0
82.5°	51.2	54.9	62.2	58.5	51.2	43.9	36.6	21.9	7.3	0.0	0.0
85°	14.6	11.0	18.3	25.6	36.6	32.9	25.6	18.3	7.3	0.0	0.0
87.5°	7.3	7.3	7.3	7.3	3.7	3.7	3.7	3.7	3.7	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	0.0

(END OF REPORT)