

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: P323124

Luminaire Tested: **GAN-SA0B-727-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323124
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0B-727-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39182 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

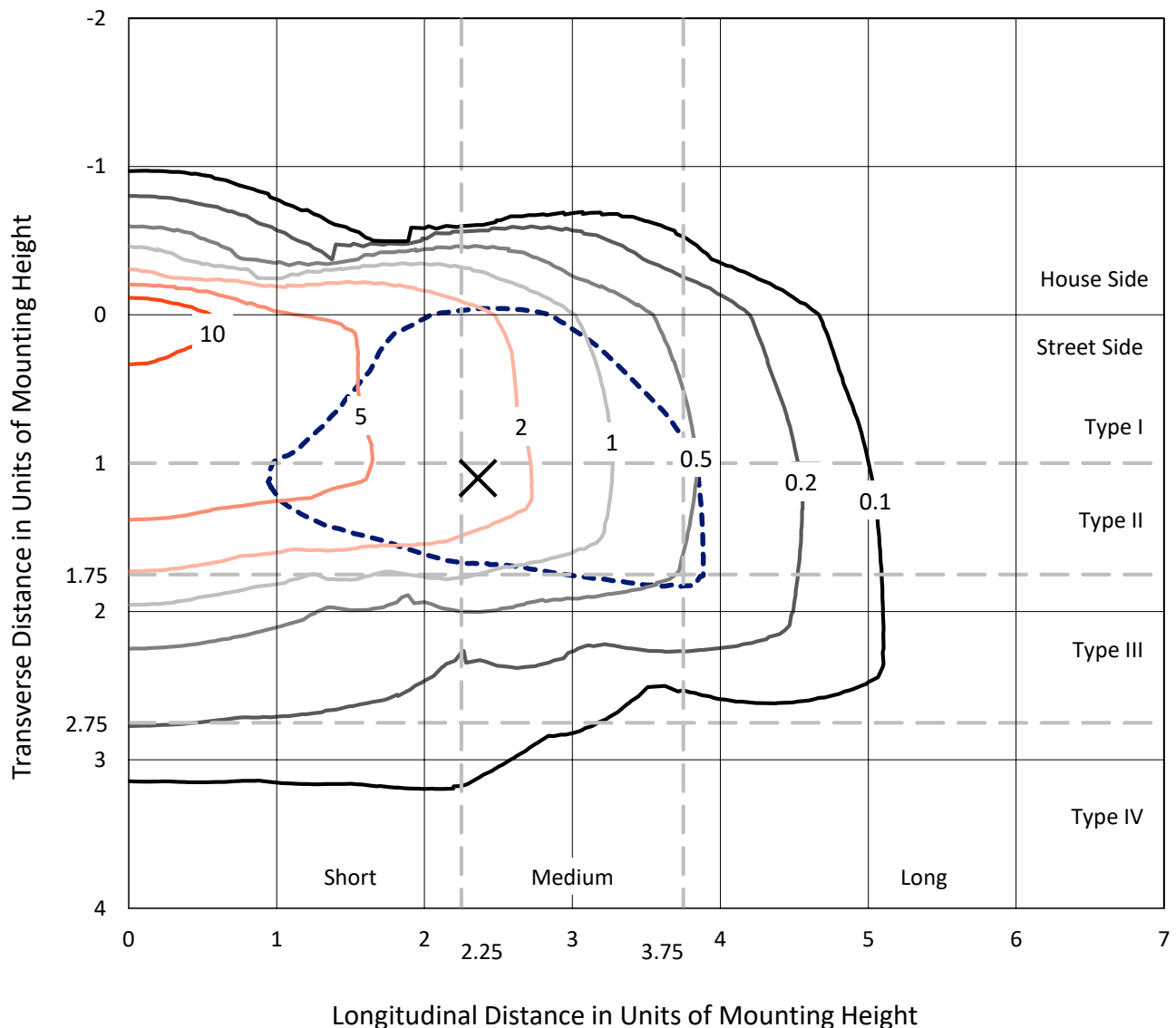
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

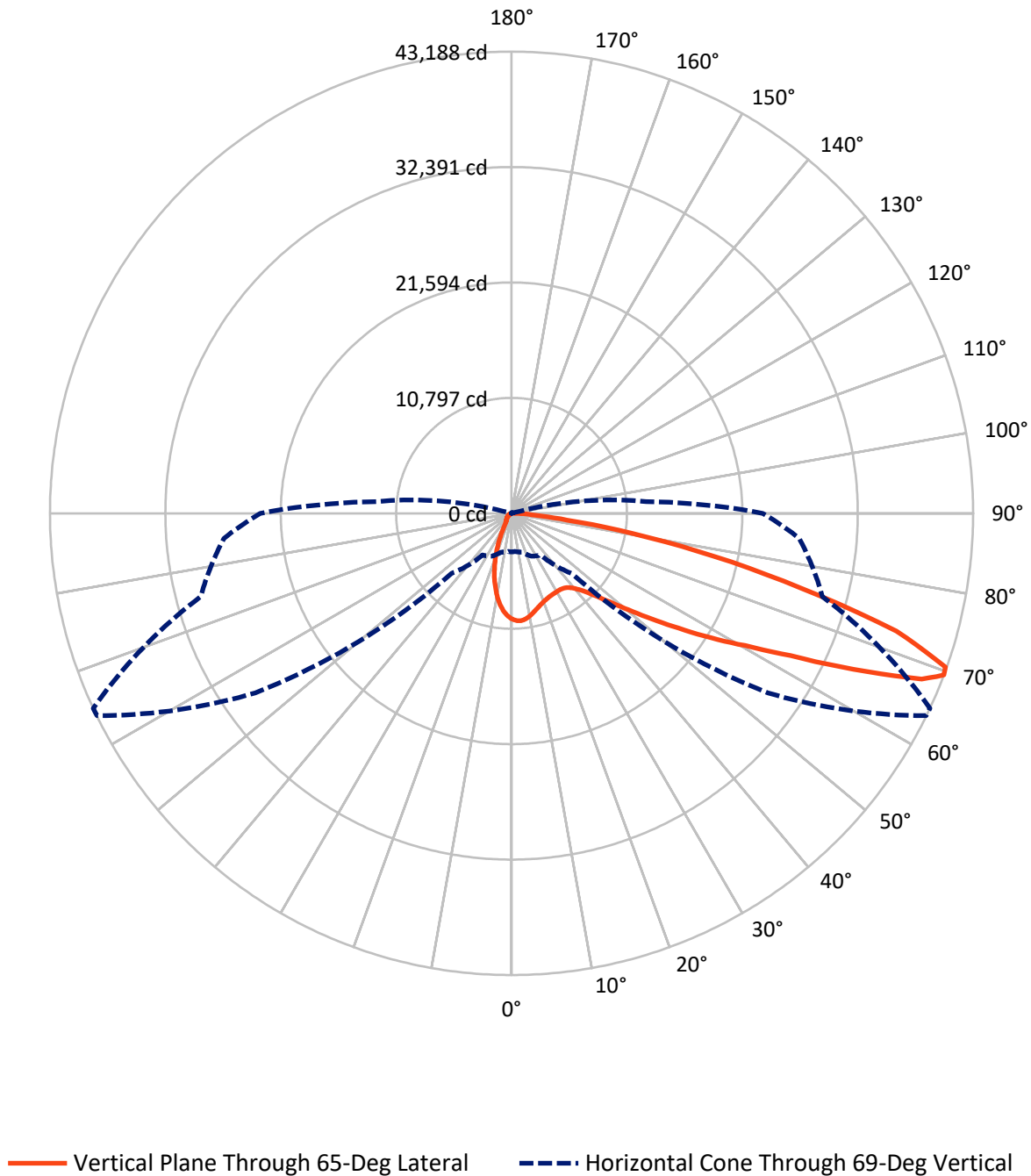
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4618.6	0.0	4618.6
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	34563.4	0.0	34563.4
	% Fixture	88.2	0.0	88.2
Total	Lumens	39182.0	0.0	39182.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	828.0	2.1
10°-20°	1812.4	4.6
20°-30°	2510.3	6.4
30°-40°	3500.1	8.9
40°-50°	5440.4	13.9
50°-60°	8733.9	22.3
60°-70°	9879.5	25.2
70°-80°	5802.3	14.8
80°-90°	675.0	1.7
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°	39182.0	100.0
0°-180°	39182.0	100.0

Coefficient of Utilization



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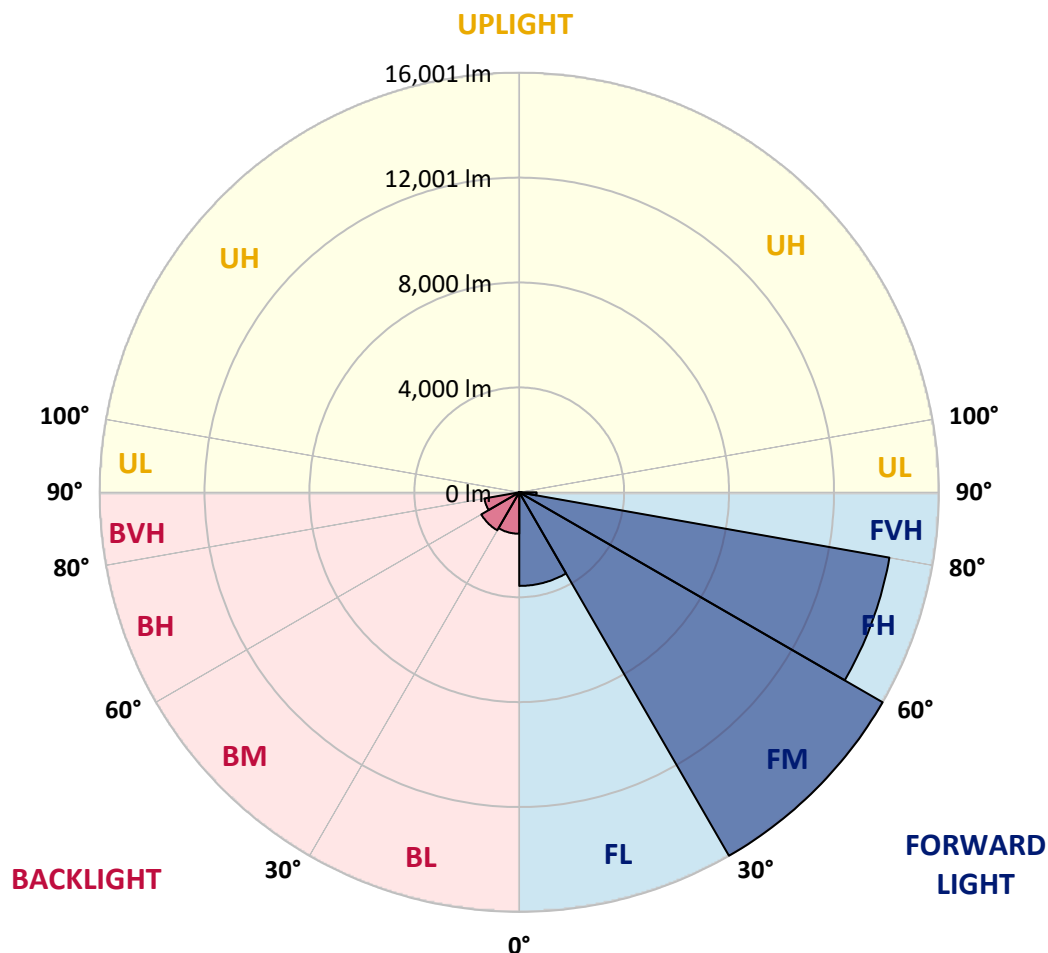
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3570.4	9.1			
FM	(30°-60°)	16000.8	40.8			
FH	(60°-80°)	14332.4	36.6			G5
FVH	(80°-90°)	659.8	1.7			G4/750
BL	(0°-30°)	1580.3	4.0	B3/2500		
BM	(30°-60°)	1673.7	4.3	B2/2500		
BH	(60°-80°)	1349.5	3.4	B3/2500		G3/2500
BVH	(80°-90°)	15.2	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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	9901.4	9901.4	9901.4	9901.4	9901.4	9901.4	9901.4	9901.4	9901.4	9901.4	9901.4
2.5°	9989.2	9964.4	9984.3	10027.4	10048.9	10048.9	10065.5	10045.6	10052.2	10004.2	9934.5
5°	9364.2	9326.0	9380.8	9501.8	9651.0	9778.7	9967.7	10067.2	10077.1	10078.8	9997.5
7.5°	8691.0	8656.2	8737.5	8880.1	9072.4	9309.5	9639.4	9927.9	9944.5	10100.3	10040.6
10°	8143.9	8119.0	8213.6	8366.1	8591.6	8856.8	9261.4	9662.6	9710.7	10055.6	10034.0
12.5°	7709.5	7689.6	7779.2	7954.9	8185.4	8478.8	8901.6	9367.5	9432.2	9954.4	10000.8
15°	7392.9	7389.5	7464.2	7633.3	7888.6	8162.2	8594.9	9093.9	9168.5	9845.0	9995.9
17.5°	7227.1	7232.0	7286.8	7431.0	7649.8	7921.8	8336.2	8863.5	8944.7	9747.2	10020.7
20°	7210.5	7215.5	7245.3	7326.5	7503.9	7744.3	8125.7	8669.5	8754.0	9674.2	10060.5
22.5°	7356.4	7353.1	7361.4	7353.1	7452.5	7634.9	7986.4	8520.3	8618.1	9626.1	10092.0
25°	7636.6	7631.6	7628.3	7566.9	7500.6	7598.4	7928.4	8435.7	8528.6	9591.3	10110.3
27.5°	8026.2	8022.9	8017.9	7916.8	7717.8	7656.5	7935.0	8404.2	8482.1	9563.1	10106.9
30°	8538.5	8561.7	8555.1	8414.2	8104.1	7833.9	8004.6	8387.6	8455.6	9508.4	10072.1
32.5°	9140.4	9186.8	9223.3	9072.4	8684.4	8185.4	8165.5	8405.9	8455.6	9467.0	10009.1
35°	9765.4	9825.1	9959.4	9906.3	9395.7	8714.3	8442.4	8515.3	8556.8	9490.2	9979.3
37.5°	10380.5	10451.8	10743.6	10897.8	10327.5	9413.9	8873.4	8785.6	8807.1	9631.1	10012.4
40°	11095.1	11202.9	11645.5	11894.2	11440.0	10350.7	9518.4	9249.8	9258.1	9941.2	10166.6
42.5°	12033.5	12144.6	12623.7	13013.4	12693.4	11534.5	10393.8	9959.4	9951.1	10521.4	10529.7
45°	13177.5	13293.6	13789.3	14222.0	14077.8	12937.1	11514.6	10995.6	10985.7	11436.6	11217.8
47.5°	14474.0	14588.4	15031.1	15477.1	15632.9	14575.2	12942.1	12409.9	12386.6	12708.3	12280.5
50°	15586.5	15661.1	16069.0	16669.2	17372.1	16587.9	14717.7	14205.4	14180.6	14397.8	13840.7
52.5°	15991.1	16034.2	16448.7	17289.2	19043.4	19313.6	17050.5	16390.6	16372.4	16466.9	15918.1
55°	15172.0	15250.0	15758.9	17005.7	19948.6	22394.1	19995.0	19096.4	18958.8	18754.9	18090.0
57.5°	12940.4	13064.8	13611.9	15269.8	19525.8	24838.0	24322.3	22157.0	21954.8	20708.0	19855.8
60°	9695.8	9848.3	10302.6	12091.5	17269.4	25708.4	29050.8	25567.5	25111.5	22263.1	21478.9
62.5°	6653.4	6729.7	7038.1	8203.6	12718.2	24282.5	33006.7	30135.2	29302.9	23954.3	23234.7
65°	5081.7	5108.2	5234.2	5635.4	7573.6	19724.8	34580.2	36161.8	35155.5	25977.0	25056.8
67.5°	4095.2	4073.6	4247.7	4821.4	5071.7	12033.5	32744.8	41863.6	41392.7	28681.1	26890.5
69°	3611.0	3581.2	3758.6	4425.1	4763.3	7954.9	29273.0	43158.5	43188.3	30108.6	27016.5
70°	3249.6	3269.5	3445.2	4189.7	4658.9	6243.9	25957.1	42828.5	43064.0	30642.5	26260.5
72.5°	2170.3	2223.3	2576.5	3478.4	4479.8	4725.2	15672.7	36752.1	37657.3	29440.5	22530.1
75°	1223.6	1263.4	1682.8	2622.9	4221.2	4499.7	8278.2	27076.2	27951.6	24619.1	17373.8
77.5°	600.2	621.7	951.7	1692.8	3529.8	4287.5	4695.4	18391.8	19391.5	16069.0	9826.8
80°	253.7	265.3	475.8	1044.5	2523.4	4091.9	3486.7	11318.9	11443.3	6295.3	2617.9
82.5°	97.8	101.1	200.6	651.6	1603.3	3189.9	2916.4	5366.8	5237.5	1185.4	596.9
85°	11.6	13.3	73.0	391.3	892.0	1641.4	2369.2	2312.9	2140.4	235.4	306.7
87.5°	0.0	0.0	5.0	119.4	265.3	769.3	1231.9	960.0	865.5	76.3	159.2
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°	9901.4	9901.4	9901.4	9901.4	9901.4	9901.4	9901.4	9901.4	9901.4	9901.4	9901.4
2.5°	9876.5	9859.9	9770.4	9641.1	9518.4	9365.8	9219.9	9132.1	9062.4	9016.0	9070.7
5°	9903.0	9830.1	9558.2	9210.0	8868.4	8483.8	8125.7	7822.3	7702.9	7570.3	7629.9
7.5°	9894.7	9757.1	9268.0	8647.9	8021.2	7373.0	6759.5	6287.0	6041.6	5801.2	5862.6
10°	9853.3	9621.2	8880.1	7961.5	7023.1	6091.4	5220.9	4559.4	4189.7	3854.8	3902.8
12.5°	9762.1	9438.8	8422.5	7175.7	5920.6	4692.0	3672.4	2825.2	2370.9	2170.3	2195.1
15°	9707.4	9261.4	7938.3	6379.8	4743.4	3267.8	2244.9	1669.6	1462.3	1396.0	1404.3
17.5°	9680.9	9090.6	7437.6	5469.6	3539.8	2080.7	1450.7	1279.9	1235.2	1223.6	1226.9
20°	9654.3	8918.2	6922.0	4569.3	2438.9	1399.3	1192.1	1142.3	1125.8	1110.8	1114.2
22.5°	9609.6	8752.4	6368.2	3657.5	1644.7	1135.7	1074.4	1026.3	991.5	973.2	976.5
25°	9554.8	8578.3	5802.9	2724.0	1200.4	1013.0	955.0	887.0	845.6	812.4	814.1
27.5°	9467.0	8364.4	5219.3	1982.9	1008.0	906.9	829.0	754.4	684.7	646.6	646.6
30°	9344.3	8122.4	4571.0	1419.2	903.6	802.5	708.0	615.1	540.5	505.7	502.4
32.5°	9208.3	7870.4	3916.1	1076.0	820.7	704.6	596.9	499.0	432.7	404.5	402.9
35°	9092.3	7598.4	3262.9	901.9	737.8	610.1	492.4	409.5	356.5	333.3	331.6
37.5°	9017.7	7326.5	2626.2	805.8	663.2	522.3	412.8	338.2	300.1	281.9	280.2
40°	9006.1	7124.3	2044.3	732.8	593.6	444.3	344.9	286.8	252.0	232.1	230.5
42.5°	9156.9	7008.2	1568.4	671.5	522.3	376.4	293.5	245.4	208.9	189.0	187.3
45°	9553.2	7044.7	1207.0	616.8	451.0	318.3	248.7	203.9	170.8	155.8	152.5
47.5°	10276.1	7296.7	960.0	562.0	383.0	270.2	212.2	169.1	140.9	126.0	124.3
50°	11562.6	7888.6	802.5	502.4	320.0	230.5	175.7	137.6	114.4	101.1	99.5
52.5°	13270.3	8943.1	716.2	444.3	265.3	195.6	144.2	109.4	89.5	79.6	77.9
55°	15153.8	10219.7	659.9	381.3	217.2	162.5	114.4	86.2	69.6	61.3	58.0
57.5°	16992.5	11325.6	606.8	320.0	180.7	132.6	91.2	68.0	54.7	46.4	44.8
60°	18681.9	12341.9	545.5	257.0	147.6	104.5	71.3	53.1	43.1	34.8	34.8
62.5°	20490.8	13127.8	460.9	200.6	121.0	79.6	58.0	48.1	34.8	29.8	28.2
65°	22407.4	13711.4	361.4	155.8	94.5	59.7	48.1	49.7	28.2	21.6	19.9
67.5°	23823.3	13595.3	266.9	122.7	73.0	46.4	46.4	53.1	24.9	16.6	14.9
69°	23511.6	12651.9	223.8	106.1	63.0	39.8	43.1	53.1	23.2	14.9	13.3
70°	22608.0	11607.4	197.3	94.5	56.4	36.5	41.4	51.4	21.6	14.9	13.3
72.5°	18827.8	8742.4	154.2	71.3	44.8	29.8	34.8	44.8	21.6	14.9	11.6
75°	14162.3	5595.6	117.7	51.4	33.2	23.2	26.5	33.2	21.6	13.3	11.6
77.5°	7706.2	2017.7	84.6	34.8	23.2	18.2	18.2	24.9	19.9	9.9	6.6
80°	1981.3	507.3	53.1	23.2	18.2	13.3	11.6	16.6	11.6	1.7	0.0
82.5°	489.1	114.4	28.2	16.6	13.3	5.0	5.0	8.3	5.0	0.0	0.0
85°	268.6	56.4	18.2	11.6	6.6	0.0	0.0	1.7	0.0	0.0	0.0
87.5°	137.6	16.6	5.0	3.3	1.7	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	0.0

(END OF REPORT)