

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: P483165

Luminaire Tested: **IFLD-S-SA6C-730-U-T4FT-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483165
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-730-U-T4FT-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens with House Side Shield
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

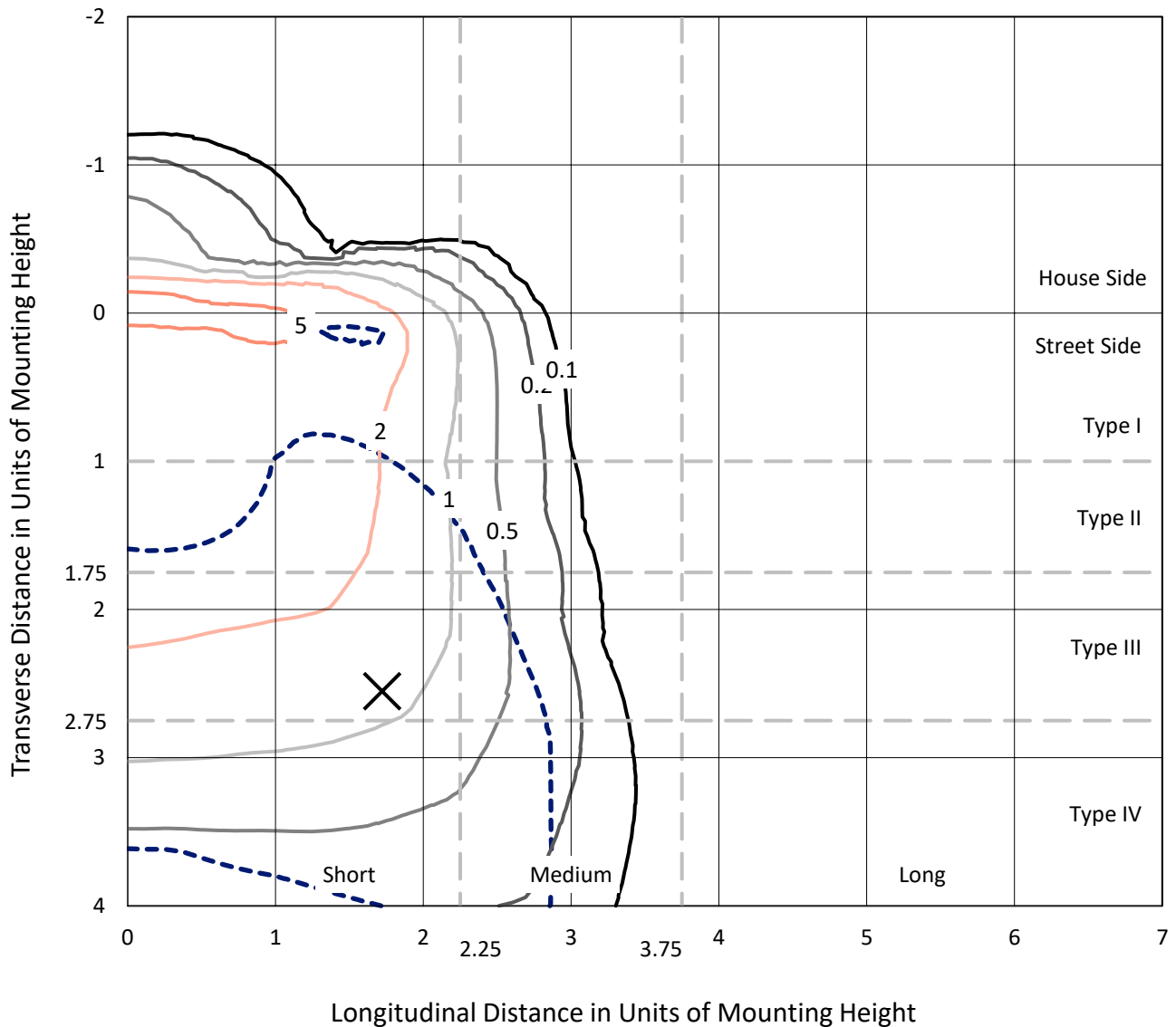
Lumens per Lamp: N/A
Luminaire Lumens: 27359.5 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

Input Watts (W): 321.5
Input Voltage (V): 120
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

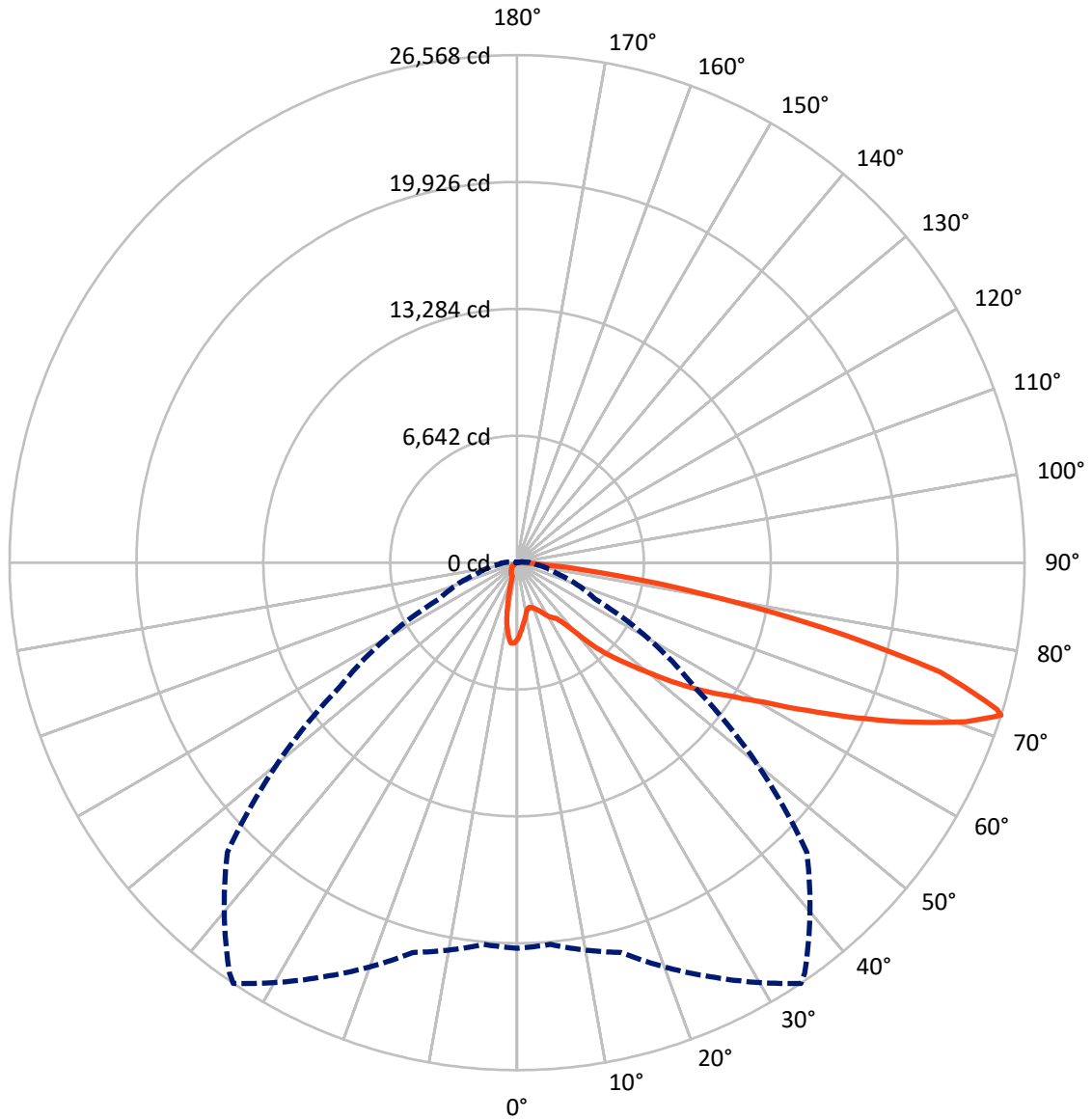
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 34-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2801.0	0.0	2801.0
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	24558.6	0.0	24558.6
	% Fixture	89.8	0.0	89.8
Total	Lumens	27359.5	0.0	27359.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.5	1.3
10°-20°	786.7	2.9
20°-30°	1187.4	4.3
30°-40°	1926.9	7.0
40°-50°	3623.4	13.2
50°-60°	5924.4	21.7
60°-70°	7875.7	28.8
70°-80°	5274.3	19.3
80°-90°	413.3	1.5
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°	27359.5	100.0
0°-180°	27359.5	100.0

Coefficient of Utilization

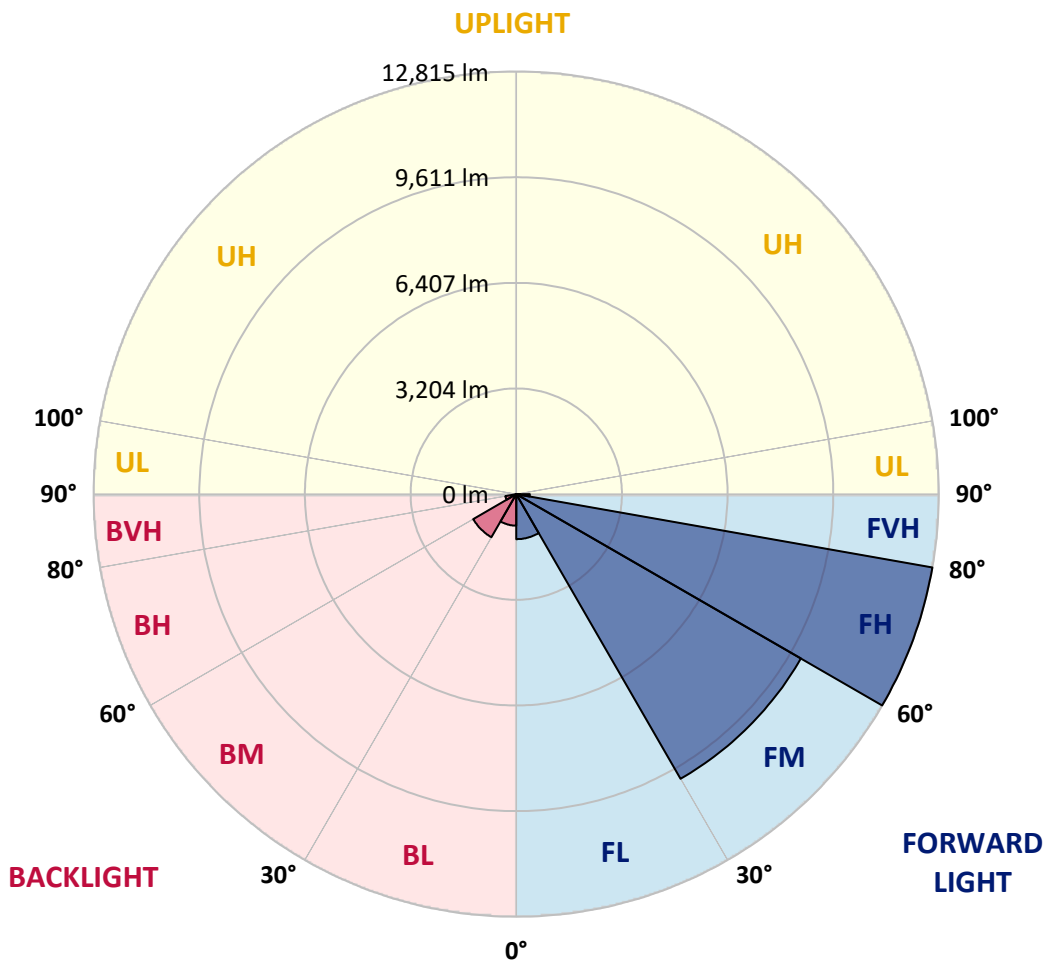


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1365.8	5.0			
FM (30°-60°)	9967.0	36.4			
FH (60°-80°)	12815.0	46.8			G5
FVH (80°-90°)	410.7	1.5			G3/500
BL (0°-30°)	955.7	3.5	B2/1000		
BM (30°-60°)	1507.7	5.5	B2/2500		
BH (60°-80°)	334.9	1.2	B1/500		G1/500
BVH (80°-90°)	2.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	4002.7	4002.7	4002.7	4002.7	4002.7	4002.7	4002.7	4002.7	4002.7	4002.7	4002.7
2.5°	3540.0	3532.0	3555.8	3595.3	3634.9	3619.1	3694.2	3773.3	3828.7	3903.8	3994.8
5°	3093.0	3112.8	3136.5	3215.6	3267.0	3278.9	3417.3	3520.2	3690.3	3864.3	4026.5
7.5°	2685.6	2709.4	2756.8	2843.8	2950.6	2978.3	3116.7	3322.4	3543.9	3773.3	4038.3
10°	2389.0	2412.7	2464.1	2519.5	2661.9	2661.9	2851.7	3136.5	3425.3	3694.2	4042.3
12.5°	2325.7	2337.6	2333.6	2377.1	2468.1	2487.9	2673.8	2986.2	3322.4	3666.5	4105.6
15°	2400.8	2408.8	2369.2	2345.5	2424.6	2444.3	2618.4	2895.2	3255.2	3682.3	4208.4
17.5°	2551.1	2523.5	2444.3	2408.8	2476.0	2487.9	2650.0	2891.3	3247.3	3725.9	4327.1
20°	2638.2	2669.8	2531.4	2464.1	2559.1	2574.9	2748.9	2954.6	3286.8	3801.0	4493.2
22.5°	2792.4	2808.2	2622.3	2578.8	2669.8	2669.8	2867.6	3081.1	3381.7	3923.6	4690.9
25°	3010.0	2990.2	2772.6	2729.1	2816.1	2851.7	3049.5	3282.9	3528.1	4038.3	4872.9
27.5°	3180.0	3191.9	3013.9	2899.2	3045.5	3069.3	3282.9	3500.4	3638.8	4133.2	5094.4
30°	3433.2	3409.4	3219.6	3089.1	3271.0	3275.0	3480.6	3706.1	3852.4	4303.3	5426.6
32.5°	3733.8	3686.3	3468.8	3282.9	3429.2	3464.8	3674.4	4002.7	4184.7	4623.7	5940.8
35°	4370.6	4255.9	3899.9	3611.2	3623.0	3638.8	3963.2	4433.8	4643.5	5031.1	6629.0
37.5°	5300.0	5252.6	4849.1	4299.4	4089.7	4042.3	4406.2	5003.4	5264.4	5569.0	7522.9
40°	6221.6	6154.4	5778.6	5363.3	4983.6	4888.7	5070.6	5758.9	5996.2	6316.5	8440.5
42.5°	7246.0	7127.4	6684.4	6348.2	6110.9	6008.0	5936.8	6708.1	6977.1	7194.6	9338.4
45°	8282.3	8088.5	7447.8	7190.7	7064.1	7008.7	7000.8	7902.6	8064.8	8108.3	10335.1
47.5°	9192.0	8982.4	8401.0	8112.2	8017.3	8001.5	8444.5	9279.0	9152.5	9037.8	11446.5
50°	9892.1	9757.6	9338.4	9235.5	9164.3	9136.6	10172.9	10695.0	10109.6	9907.9	12423.5
52.5°	10975.8	10675.2	10200.6	10236.2	10485.4	10489.3	11925.1	12039.8	10904.6	10505.2	13345.0
55°	11842.0	11644.3	11256.7	11205.2	11861.8	11933.0	13495.3	13060.3	11347.6	11074.7	13685.2
57.5°	12862.5	12771.5	12490.7	12498.6	13186.8	13337.1	14891.5	13922.5	11715.5	11442.6	13736.6
60°	14337.8	14076.8	13930.4	13997.7	14808.5	14954.8	16244.2	14543.5	11893.5	11683.8	13610.0
62.5°	15967.4	15662.8	15504.6	15848.7	17031.3	17055.1	17272.6	15093.3	11782.7	11747.1	12795.3
65°	17929.2	17628.6	17502.0	18194.2	19598.3	19511.3	18716.3	15326.6	11430.7	11110.3	10655.5
67.5°	19883.1	19701.1	19440.1	20543.6	22291.8	22291.8	20215.3	15239.6	10509.1	8919.1	6969.2
70°	20808.6	20935.2	21350.5	23082.9	24937.9	24748.0	21694.6	14238.9	7823.5	4789.8	2741.0
72°	20191.6	20061.1	21132.9	23913.5	26567.5	26255.0	21445.4	11319.9	4520.9	2100.2	953.2
72.5°	19131.6	19254.2	20729.5	23798.8	26262.9	26520.0	20836.3	10441.9	3717.9	1673.1	719.9
75°	11731.3	11940.9	15473.0	20207.4	22885.1	22596.4	16117.7	4975.7	1427.8	711.9	257.1
77.5°	4283.5	4457.6	7507.1	12716.2	16275.9	16093.9	9326.5	1768.0	775.2	530.0	130.5
80°	1115.4	1206.4	2551.1	5865.6	9571.7	9583.6	3903.8	708.0	526.0	435.1	79.1
82.5°	221.5	245.2	783.1	2282.2	4473.4	4414.1	1234.0	379.7	395.5	356.0	55.4
85°	27.7	35.6	166.1	775.2	1447.6	1297.3	304.6	189.9	292.7	276.9	35.6
87.5°	4.0	4.0	39.6	178.0	304.6	296.6	63.3	59.3	130.5	170.1	19.8
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°	4002.7	4002.7	4002.7	4002.7	4002.7	4002.7	4002.7	4002.7	4002.7	4002.7	4002.7
2.5°	4046.2	4062.0	4117.4	4164.9	4220.3	4236.1	4212.3	4251.9	4196.5	4228.2	4236.1
5°	4054.1	4145.1	4247.9	4315.2	4299.4	4259.8	4228.2	4121.4	4046.2	4018.5	4077.9
7.5°	4109.5	4212.3	4323.1	4323.1	4236.1	4030.4	3832.6	3642.8	3484.6	3405.5	3472.7
10°	4180.7	4287.5	4402.2	4251.9	3927.6	3551.8	3271.0	2915.0	2673.8	2547.2	2559.1
12.5°	4275.6	4425.9	4465.5	4117.4	3579.5	3021.8	2511.6	2017.2	1787.8	1605.8	1609.8
15°	4398.2	4544.6	4425.9	3824.7	3136.5	2313.8	1700.8	1230.1	1048.1	953.2	953.2
17.5°	4560.4	4671.2	4414.1	3555.8	2539.3	1582.1	1044.2	830.6	791.1	775.2	775.2
20°	4750.3	4833.3	4299.4	3136.5	1886.7	1016.5	767.3	743.6	747.5	739.6	739.6
22.5°	4963.8	4991.5	4168.8	2650.0	1277.5	751.5	715.9	719.9	723.8	715.9	719.9
25°	5189.3	5114.1	3979.0	2080.5	850.4	684.3	692.2	700.1	704.0	708.0	708.0
27.5°	5442.4	5292.1	3714.0	1522.8	664.5	644.7	668.4	692.2	696.1	696.1	692.2
30°	5814.2	5565.0	3456.9	1032.3	585.4	601.2	640.8	668.4	688.2	688.2	684.3
32.5°	6284.9	5849.8	3097.0	704.0	541.9	549.8	581.4	636.8	680.3	684.3	672.4
35°	6937.5	6193.9	2721.2	561.6	510.2	514.2	534.0	577.5	652.6	676.3	672.4
37.5°	7625.7	6585.5	2254.5	506.3	486.5	482.5	494.4	530.0	597.2	656.6	660.5
40°	8357.5	6996.9	1764.0	478.6	466.7	458.8	462.8	478.6	530.0	605.2	621.0
42.5°	9045.7	7368.6	1325.0	450.9	446.9	439.0	439.0	443.0	470.7	522.1	530.0
45°	9789.3	7673.2	1008.6	431.1	419.3	423.2	407.4	399.5	419.3	423.2	419.3
47.5°	10485.4	7977.8	806.9	407.4	395.5	395.5	375.7	359.9	359.9	324.3	320.4
50°	11138.0	8143.9	644.7	375.7	371.8	367.8	340.2	312.5	288.7	245.2	237.3
52.5°	11679.9	8136.0	498.4	336.2	348.1	336.2	292.7	253.1	217.5	178.0	170.1
55°	11842.0	7756.3	375.7	276.9	296.6	280.8	233.4	197.8	158.2	126.6	122.6
57.5°	11703.6	7178.8	284.8	213.6	229.4	213.6	178.0	146.3	110.7	87.0	79.1
60°	11240.8	6502.4	221.5	166.1	174.0	162.2	134.5	110.7	79.1	55.4	47.5
62.5°	10362.8	5656.0	170.1	130.5	126.6	126.6	102.8	83.1	55.4	31.6	27.7
65°	8503.8	4410.1	130.5	91.0	91.0	91.0	79.1	59.3	35.6	15.8	7.9
67.5°	5339.6	2567.0	106.8	71.2	67.2	67.2	55.4	39.6	19.8	4.0	0.0
70°	2009.3	941.4	83.1	55.4	51.4	51.4	39.6	23.7	11.9	0.0	0.0
72°	692.2	359.9	67.2	39.6	39.6	35.6	27.7	19.8	7.9	0.0	0.0
72.5°	569.6	288.7	63.3	39.6	35.6	35.6	27.7	19.8	7.9	0.0	0.0
75°	205.7	118.7	43.5	27.7	23.7	23.7	19.8	11.9	4.0	0.0	0.0
77.5°	102.8	75.1	35.6	23.7	19.8	11.9	11.9	7.9	4.0	0.0	0.0
80°	63.3	47.5	19.8	15.8	11.9	7.9	4.0	4.0	0.0	0.0	0.0
82.5°	43.5	27.7	11.9	11.9	7.9	4.0	0.0	0.0	0.0	0.0	0.0
85°	27.7	11.9	7.9	7.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.9	7.9	4.0	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	0.0

(END OF REPORT)