

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: P477003

Luminaire Tested: **IFLD-S-SA6C-740-U-T2R**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P477003
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-740-U-T2R
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

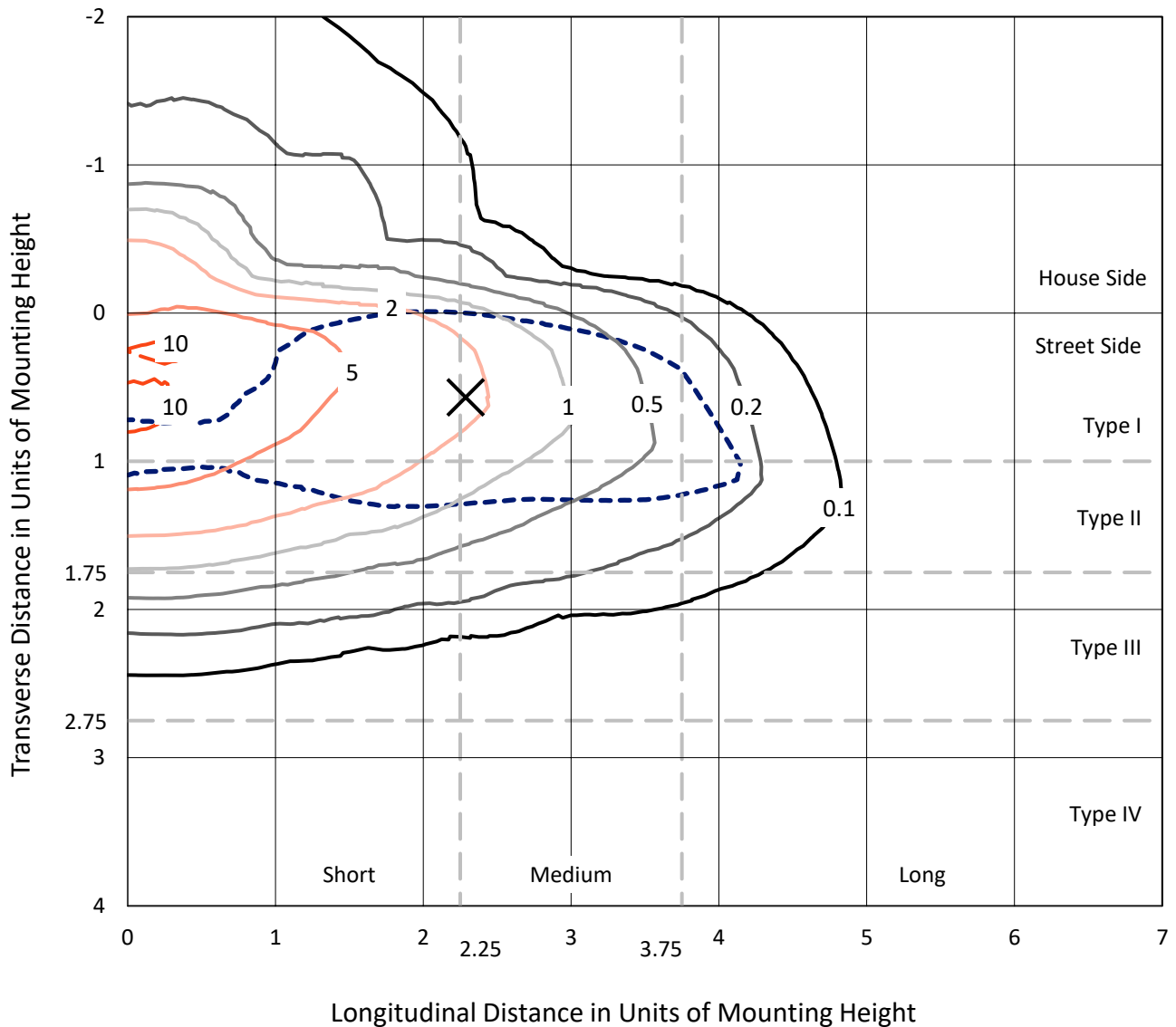
Lumens per Lamp: N/A
Luminaire Lumens: 41785.3 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

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

REPORT NUMBER: P477003
 CATALOG NUMBER: IFLD-S-SA6C-740-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

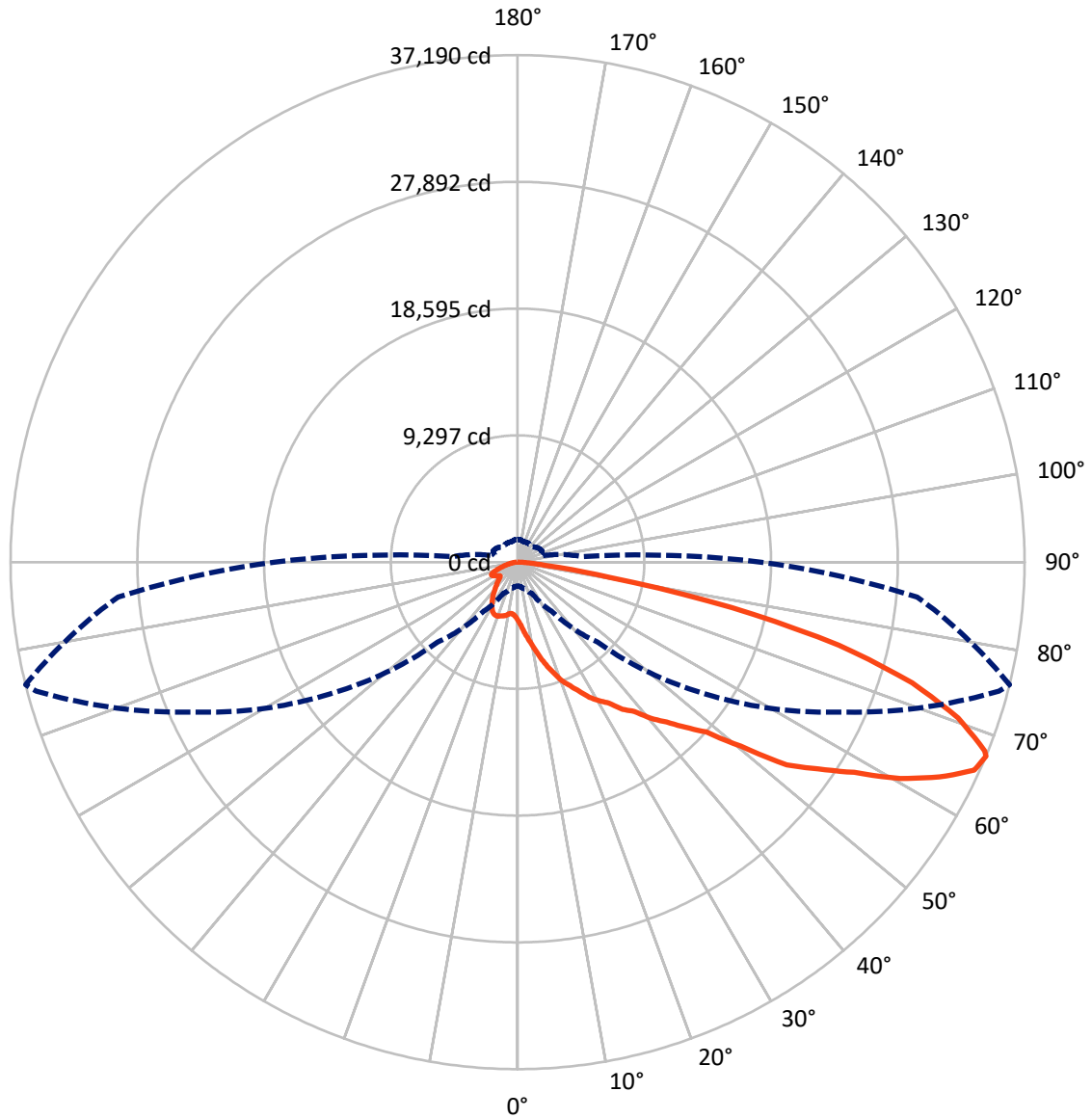
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 11.1 fc
 Type II - Medium - N/A

REPORT NUMBER: P477003
CATALOG NUMBER: IFLD-S-SA6C-740-U-T2R

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P477003
 CATALOG NUMBER: IFLD-S-SA6C-740-U-T2R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5944.5	0.0	5944.5
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	35840.9	0.0	35840.9
	% Fixture	85.8	0.0	85.8
Total	Lumens	41785.3	0.0	41785.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	495.3	1.2
10°-20°	1857.7	4.4
20°-30°	3453.8	8.3
30°-40°	5475.0	13.1
40°-50°	7572.4	18.1
50°-60°	9314.5	22.3
60°-70°	8667.6	20.7
70°-80°	4349.4	10.4
80°-90°	599.7	1.4
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°	41785.3	100.0
0°-180°	41785.3	100.0

Coefficient of Utilization

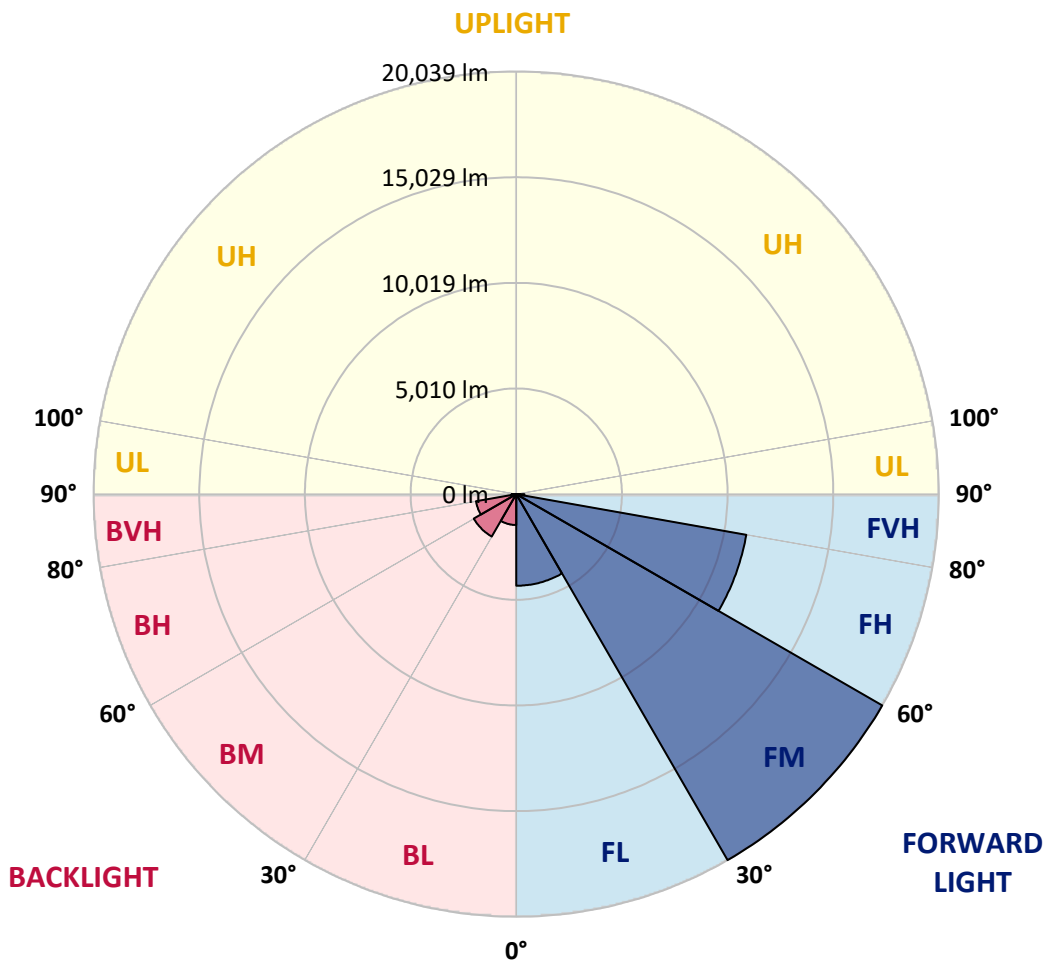


REPORT NUMBER: P477003
 CATALOG NUMBER: IFLD-S-SA6C-740-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4342.9	10.4			
FM (30°-60°)	20038.9	48.0			
FH (60°-80°)	11077.0	26.5			G4/12000
FVH (80°-90°)	382.1	0.9			G3/500
BL (0°-30°)	1463.9	3.5	B3/2500		
BM (30°-60°)	2323.0	5.6	B2/2500		
BH (60°-80°)	1940.0	4.6	B3/2500		G3/2500
BVH (80°-90°)	217.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Medium





REPORT NUMBER: P477003

CATALOG NUMBER: IFLD-S-SA6C-740-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	4276.1	4276.1	4276.1	4276.1	4276.1	4276.1	4276.1	4276.1	4276.1	4276.1	4276.1
2.5°	5933.2	5861.8	5790.3	5638.0	5585.6	5442.7	5180.8	4890.4	4652.3	4618.9	4452.3
5°	7361.7	7257.0	7233.2	7147.5	6876.0	6599.8	6171.3	5704.6	5123.7	5166.5	4595.1
7.5°	8433.1	8371.2	8242.7	8161.7	7999.8	7633.2	7190.3	6571.3	5833.2	5690.3	4914.2
10°	9242.6	9156.9	9152.2	9080.7	8995.0	8618.8	8280.8	7447.4	6499.8	6304.6	5304.6
12.5°	9652.2	9637.9	9890.2	9890.2	9856.9	9699.8	9118.8	8356.9	7133.2	7066.5	5757.0
15°	10095.0	9976.0	10195.0	10361.7	10447.4	10528.3	10047.4	9242.6	7942.7	7814.1	6242.7
17.5°	10095.0	10085.5	10304.5	10580.7	11028.3	11133.1	10871.2	10056.9	8614.1	8518.9	6776.0
20°	9923.6	10061.7	10214.0	10585.5	11071.2	11495.0	11571.2	10890.2	9356.9	9280.7	7380.8
22.5°	10723.6	10590.2	10747.4	10890.2	11266.4	11909.2	12118.8	11623.5	10137.9	9847.4	7928.4
25°	12066.4	11975.9	11861.6	11652.1	11809.3	12090.2	12409.2	12166.4	10804.5	10480.7	8456.9
27.5°	13375.9	13380.6	13133.0	12675.9	12337.8	12395.0	12771.1	12642.6	11366.4	11223.6	8818.8
30°	15237.7	15123.5	14847.3	14228.2	13566.4	13023.5	12961.6	13085.4	12080.7	11804.5	9337.9
32.5°	16632.9	16656.8	16266.3	15375.8	14471.1	14028.2	13485.4	13537.8	12533.0	12328.3	9752.2
35°	17761.5	17732.9	17456.7	16718.7	15647.3	15113.9	14380.6	14080.6	13585.4	13261.6	10385.5
37.5°	18980.5	18747.2	18299.6	17466.3	16780.6	16042.5	15328.2	14652.0	14285.4	13894.9	10928.3
40°	19471.0	19471.0	18871.0	18490.0	17675.8	17118.7	16656.8	15404.4	15137.7	15061.6	11623.5
42.5°	19123.4	19337.6	19090.0	18656.7	18323.4	17618.6	17494.8	16185.3	16190.1	16037.7	12456.9
45°	19090.0	18794.8	18590.0	18699.6	18542.4	18504.3	18818.6	17266.3	17294.8	17275.8	13575.9
47.5°	18132.9	17999.6	18304.3	18485.3	18613.9	19204.3	20109.1	18556.7	18761.5	18618.6	14866.3
50°	17180.6	17156.7	17347.2	18004.3	18561.5	19532.9	21337.6	20547.1	21218.6	21209.0	17204.4
52.5°	14571.1	14823.5	15571.1	16961.5	18337.7	19980.5	22266.2	23089.9	24370.9	24718.5	19142.4
55°	12075.9	11942.6	13047.3	15066.3	17361.5	20156.7	23304.2	24618.5	26504.1	26756.5	21132.8
57.5°	9395.0	9642.6	10514.0	12452.1	15342.5	19285.3	24066.1	26128.0	28913.6	29108.9	23442.3
60°	7009.4	7042.7	7999.8	9561.7	12656.9	17318.6	24313.7	27675.6	31675.5	32232.6	25861.3
62.5°	4409.4	4609.4	5338.0	6876.0	9528.4	14566.3	23204.2	28613.6	34570.6	34718.2	28299.3
65°	2376.1	2504.7	3052.3	4019.0	6657.0	11018.8	20261.4	28051.7	35932.5	36808.7	29385.0
67°	1757.1	1780.9	2033.3	2566.6	4452.3	8295.0	16894.8	26018.4	36551.5	37189.6	29427.9
67.5°	1647.6	1680.9	1880.9	2304.7	3947.5	7637.9	16013.9	25294.7	36275.4	36961.1	29094.6
70°	1409.5	1419.0	1466.6	1585.7	2214.2	4595.1	10904.5	20728.1	33623.0	34280.2	26756.5
72.5°	1252.4	1261.9	1280.9	1304.7	1500.0	2657.1	6633.2	15952.0	29223.1	30270.7	23085.2
75°	1100.0	1133.3	1142.8	1123.8	1276.2	1728.5	3528.5	11723.5	23837.5	24347.1	17952.0
77.5°	933.3	947.6	966.6	985.7	1138.1	1290.4	1695.2	7914.1	16361.5	16052.0	9709.3
80°	785.7	790.5	804.7	819.0	985.7	985.7	961.9	4276.1	7147.5	6833.2	3280.9
82.5°	561.9	595.2	628.6	666.7	819.0	661.9	628.6	1904.7	2261.9	2152.3	1109.5
85°	219.0	266.7	414.3	457.1	519.0	357.1	419.0	823.8	942.8	933.3	414.3
87.5°	38.1	42.9	114.3	176.2	190.5	123.8	200.0	295.2	352.4	380.9	152.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P477003
 CATALOG NUMBER: IFLD-S-SA6C-740-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4276.1	4276.1	4276.1	4276.1	4276.1	4276.1	4276.1	4276.1	4276.1	4276.1	4276.1
2.5°	4314.2	4166.6	3990.4	3814.2	3699.9	3519.0	3504.7	3395.2	3380.9	3342.8	3361.8
5°	4347.5	4171.3	3814.2	3533.3	3404.7	3299.9	3323.7	3276.1	3261.8	3238.0	3199.9
7.5°	4609.4	4261.8	3728.5	3485.6	3390.4	3342.8	3342.8	3285.6	3242.8	3271.4	3299.9
10°	4780.8	4304.7	3795.2	3552.3	3476.1	3371.4	3409.4	3338.0	3361.8	3304.7	3304.7
12.5°	5057.0	4547.5	3933.2	3652.3	3528.5	3433.3	3471.3	3390.4	3371.4	3376.1	3361.8
15°	5428.4	4709.4	3995.1	3709.4	3623.7	3504.7	3476.1	3404.7	3333.3	3309.4	3338.0
17.5°	5776.1	4909.4	4038.0	3742.8	3604.7	3471.3	3438.0	3347.5	3323.7	3252.3	3195.2
20°	6190.3	5147.5	4095.1	3771.3	3533.3	3399.9	3314.2	3223.7	3142.8	3099.9	3119.0
22.5°	6466.5	5271.3	4123.7	3714.2	3428.5	3304.7	3123.7	3061.8	2947.6	2899.9	2861.8
25°	6918.9	5423.7	4052.3	3557.1	3242.8	3042.8	2880.9	2795.2	2714.2	2652.3	2633.3
27.5°	7033.2	5538.0	3885.6	3290.4	2947.6	2738.0	2599.9	2495.2	2442.8	2347.6	2328.5
30°	7366.5	5423.7	3638.0	2966.6	2666.6	2452.3	2314.2	2238.0	2114.2	2090.4	2038.0
32.5°	7580.8	5457.0	3323.7	2652.3	2342.8	2152.3	2061.9	1985.7	1952.3	1838.1	1809.5
35°	7937.9	5342.7	3004.7	2361.9	2076.1	1928.5	1852.3	1828.5	1719.0	1666.6	1619.0
37.5°	8166.5	5276.1	2685.7	2033.3	1785.7	1723.8	1747.6	1647.6	1514.3	1414.3	1380.9
40°	8566.5	5252.3	2323.8	1761.9	1585.7	1571.4	1647.6	1457.1	1214.3	1128.5	1080.9
42.5°	9142.6	5090.4	2042.8	1519.0	1428.5	1490.4	1504.7	1214.3	1076.2	1004.7	971.4
45°	9695.0	5123.7	1766.6	1257.1	1242.8	1333.3	1300.0	1028.5	947.6	895.2	923.8
47.5°	10756.9	5290.4	1495.2	1047.6	1119.0	1204.7	1009.5	919.0	842.8	804.7	809.5
50°	12399.7	5452.3	1257.1	957.1	1057.1	1090.5	866.6	833.3	828.6	752.4	747.6
52.5°	13385.4	5390.4	1214.3	1071.4	1133.3	1090.5	942.8	919.0	880.9	847.6	809.5
55°	14952.0	5571.3	1304.7	1252.4	1285.7	1047.6	1057.1	1047.6	1019.0	933.3	957.1
57.5°	16199.6	5690.3	1423.8	1400.0	1380.9	1090.5	1104.7	1109.5	1090.5	1052.4	1085.7
60°	17913.9	5928.4	1547.6	1552.3	1557.1	1185.7	1209.5	1238.1	1233.3	1219.0	1228.5
62.5°	18966.2	5818.9	1685.7	1761.9	1738.1	1380.9	1376.2	1395.2	1395.2	1419.0	1433.3
65°	18809.1	5414.2	1757.1	1947.6	1823.8	1523.8	1523.8	1533.3	1538.1	1585.7	1590.4
67°	17866.3	4690.4	1719.0	1976.1	1823.8	1580.9	1580.9	1590.4	1557.1	1680.9	1642.8
67.5°	17428.2	4476.1	1685.7	1952.3	1809.5	1576.2	1576.2	1580.9	1552.3	1671.4	1633.3
70°	15156.8	3323.7	1452.3	1728.5	1676.2	1533.3	1533.3	1504.7	1480.9	1638.1	1604.7
72.5°	12937.8	2414.2	1166.6	1471.4	1514.3	1476.2	1485.7	1414.3	1347.6	1457.1	1428.5
75°	9909.3	1776.1	909.5	1133.3	1280.9	1380.9	1442.8	1261.9	1176.2	1204.7	1152.4
77.5°	5528.4	1157.1	719.0	838.1	976.2	1285.7	1385.7	1138.1	961.9	928.5	928.5
80°	1876.1	676.2	528.6	623.8	671.4	1138.1	1295.2	923.8	757.1	723.8	700.0
82.5°	709.5	414.3	361.9	428.6	428.6	900.0	1057.1	709.5	571.4	738.1	752.4
85°	323.8	247.6	238.1	247.6	247.6	552.4	747.6	461.9	514.3	442.8	390.5
87.5°	128.6	119.0	109.5	104.8	85.7	95.2	257.1	123.8	233.3	61.9	57.1
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)