

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: P480726

Luminaire Tested: **IFLD-S-SA2B-722-U-SL4**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P480726  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2B-722-U-SL4  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL4 distribution lens  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

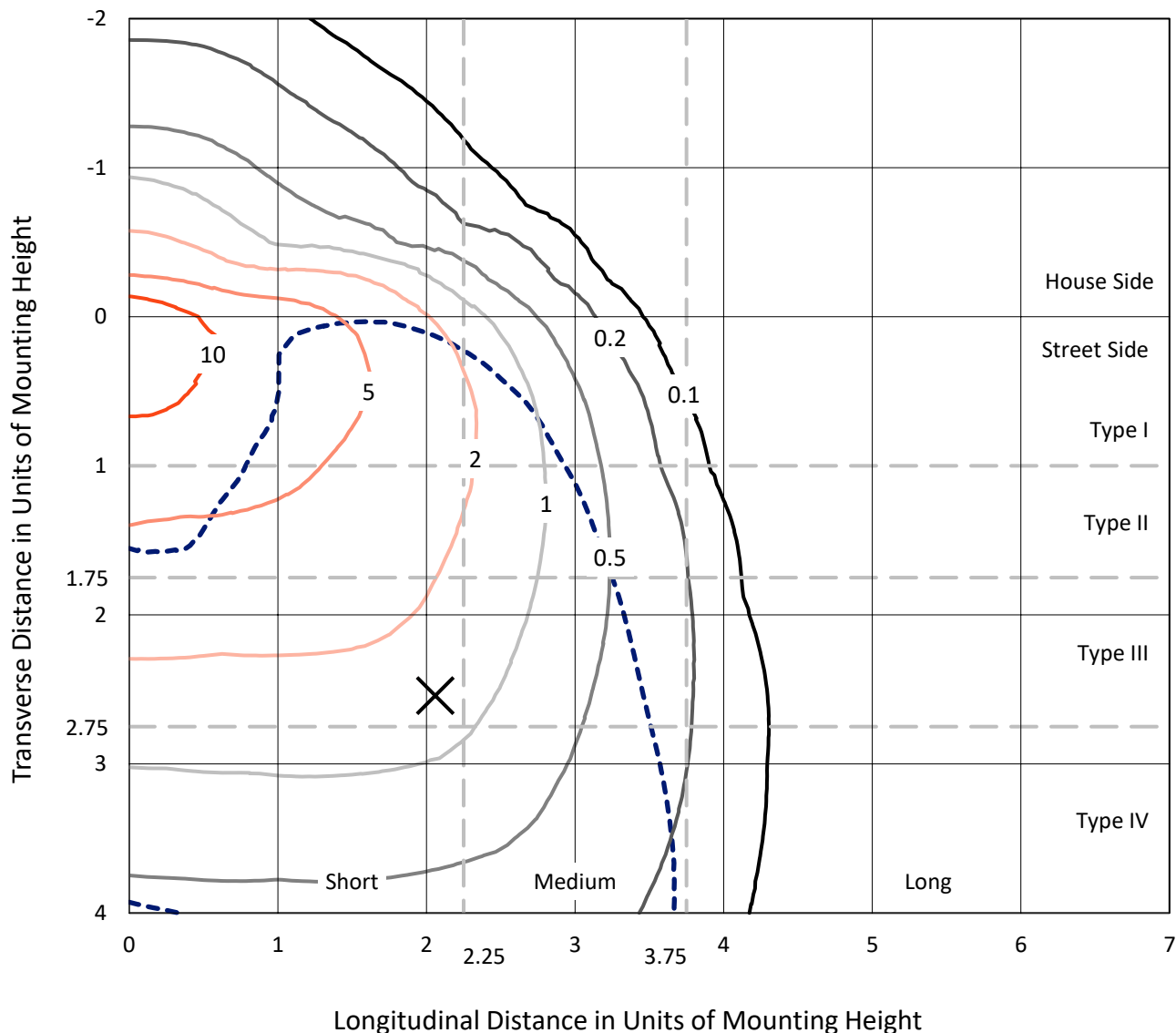
Lumens per Lamp: N/A  
Luminaire Lumens: 8135.1 lumens  
Efficiency: N/A  
Efficacy: 98.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

Input Watts (W): 82.4  
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: P480726  
 CATALOG NUMBER: IFLD-S-SA2B-722-U-SL4

### Iso-Footcandle Lines of Horizontal Illumination

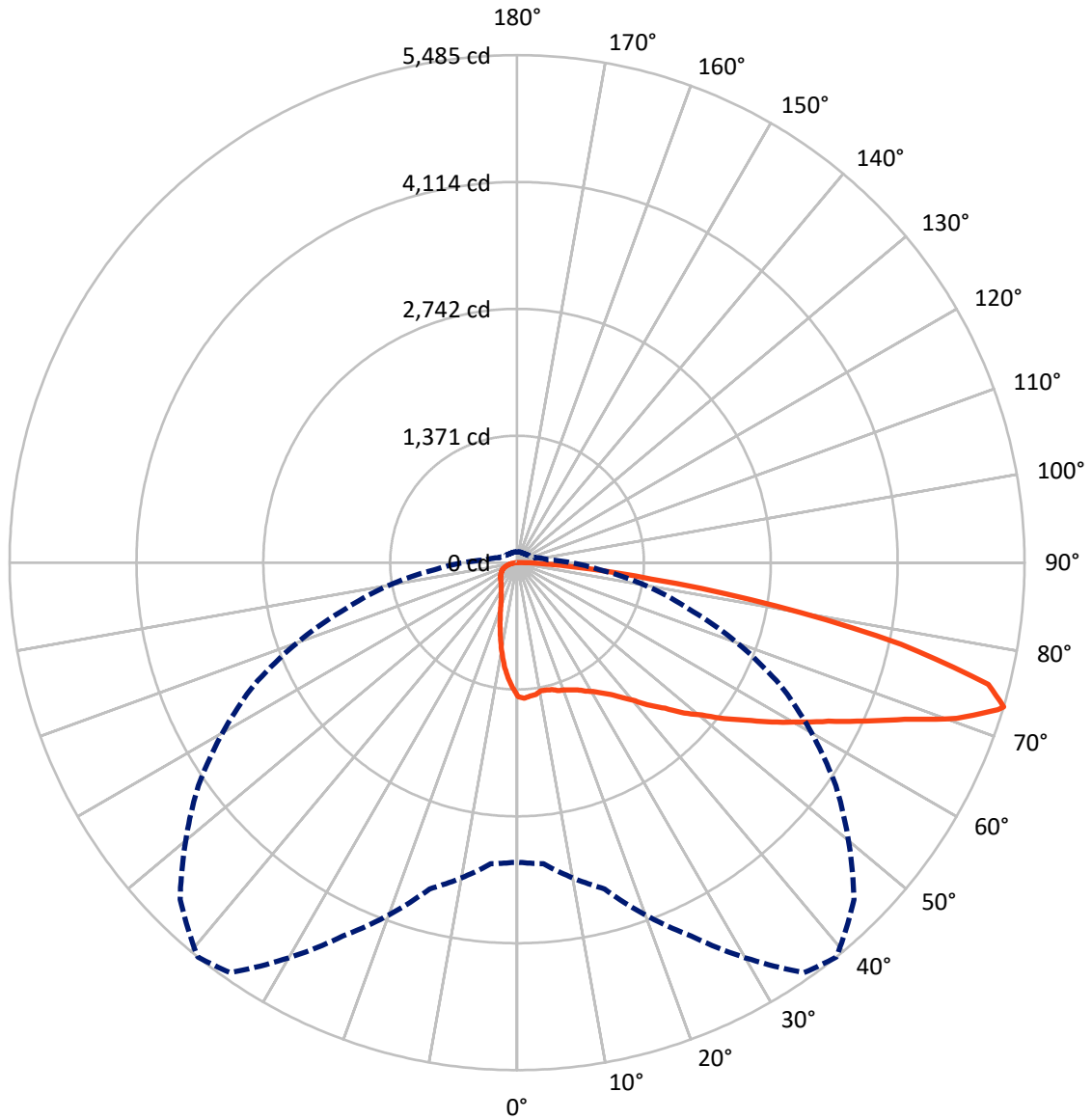
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.5 fc  
 Type IV - Short - N/A

REPORT NUMBER: P480726  
CATALOG NUMBER: IFLD-S-SA2B-722-U-SL4

### Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral      - - - Horizontal Cone Through 73-Deg Vertical



REPORT NUMBER: P480726  
 CATALOG NUMBER: IFLD-S-SA2B-722-U-SL4

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1143.6	0.0	1143.6
	% Fixture	14.1	0.0	14.1
<b>Street Side</b>	Lumens	6991.6	0.0	6991.6
	% Fixture	85.9	0.0	85.9
<b>Total</b>	Lumens	8135.1	0.0	8135.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.7	1.5
10°-20°	319.6	3.9
20°-30°	488.3	6.0
30°-40°	712.0	8.8
40°-50°	1075.9	13.2
50°-60°	1558.0	19.2
60°-70°	1979.5	24.3
70°-80°	1604.7	19.7
80°-90°	271.5	3.3
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°	8135.1	100.0
0°-180°	8135.1	100.0

**Coefficient of Utilization**



REPORT NUMBER: P480726

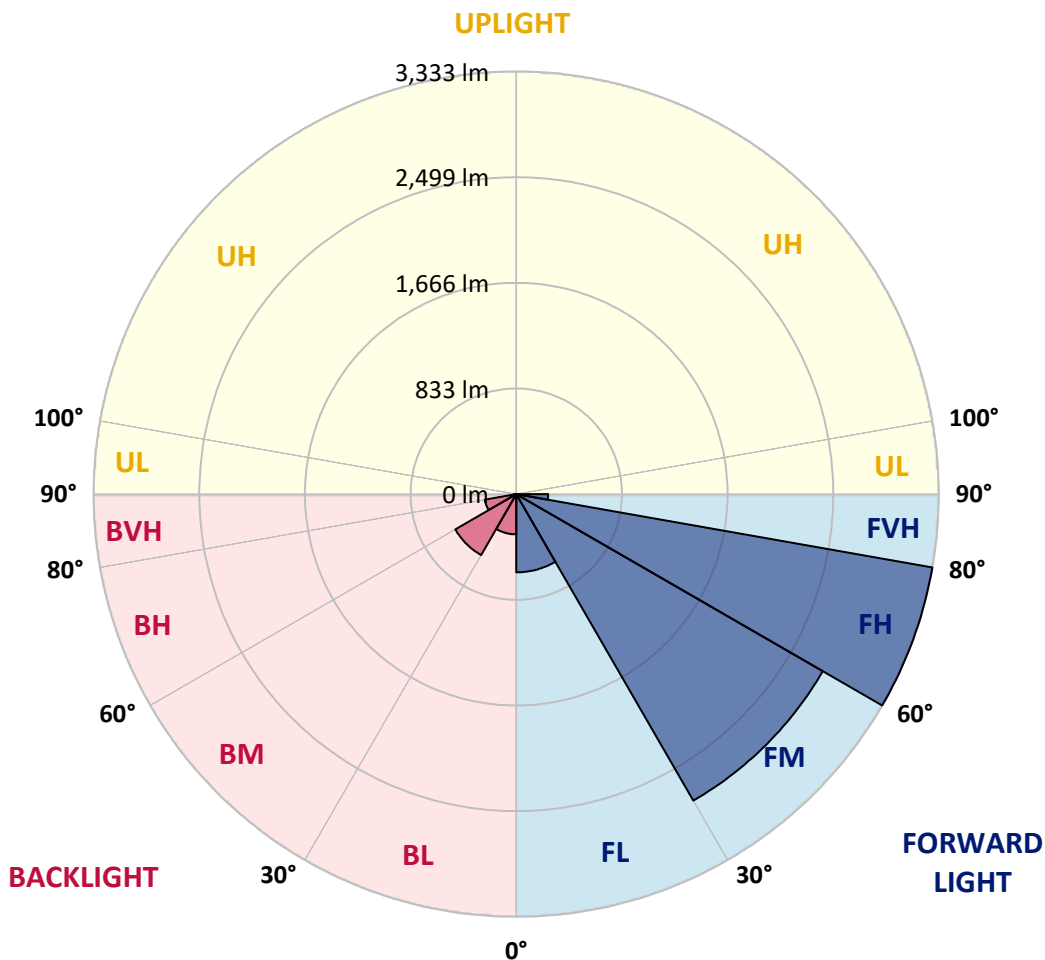
CATALOG NUMBER: IFLD-S-SA2B-722-U-SL4

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	616.5	7.6			
FM (30°-60°)	2790.9	34.3			
FH (60°-80°)	3332.6	41.0			G2/5000
FVH (80°-90°)	251.6	3.1			G3/500
BL (0°-30°)	317.1	3.9	B1/500		
BM (30°-60°)	555.0	6.8	B1/1000		
BH (60°-80°)	251.5	3.1	B1/500		G1/500
BVH (80°-90°)	19.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type IV Short





REPORT NUMBER: P480726

CATALOG NUMBER: IFLD-S-SA2B-722-U-SL4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	1448.1	1448.1	1448.1	1448.1	1448.1	1448.1	1448.1	1448.1	1448.1	1448.1	1448.1
2.5°	1482.7	1467.2	1469.9	1464.5	1469.9	1468.1	1465.4	1451.7	1465.4	1451.7	1448.1
5°	1462.7	1462.7	1471.8	1458.1	1459.9	1450.8	1459.9	1449.9	1440.8	1418.1	1411.7
7.5°	1456.3	1455.4	1456.3	1437.2	1446.3	1440.8	1431.7	1420.8	1402.6	1388.0	1367.1
10°	1412.6	1421.7	1411.7	1417.2	1424.4	1408.1	1407.1	1404.4	1396.2	1377.1	1364.4
12.5°	1388.9	1404.4	1409.9	1405.3	1411.7	1413.5	1408.1	1404.4	1394.4	1381.7	1345.3
15°	1399.0	1380.8	1396.2	1426.3	1419.9	1424.4	1425.4	1421.7	1417.2	1393.5	1369.8
17.5°	1401.7	1390.8	1423.5	1429.9	1438.1	1454.5	1443.6	1442.6	1425.4	1409.0	1374.4
20°	1408.1	1403.5	1429.9	1463.6	1464.5	1467.2	1472.7	1459.0	1449.9	1421.7	1368.9
22.5°	1431.7	1447.2	1471.8	1486.3	1494.5	1496.3	1496.3	1469.0	1459.0	1436.3	1394.4
25°	1502.7	1486.3	1520.9	1538.2	1526.4	1523.7	1517.3	1492.7	1481.8	1461.8	1406.2
27.5°	1554.6	1553.7	1573.7	1597.4	1565.5	1571.9	1549.1	1541.9	1517.3	1506.4	1427.2
30°	1625.6	1645.6	1644.7	1652.0	1610.1	1617.4	1588.3	1574.6	1561.0	1567.3	1489.1
32.5°	1716.6	1709.3	1721.2	1715.7	1673.8	1680.2	1645.6	1624.7	1629.2	1648.3	1573.7
35°	1774.9	1767.6	1772.1	1772.1	1759.4	1752.1	1737.5	1710.2	1732.1	1767.6	1668.4
37.5°	1837.7	1846.8	1873.2	1867.7	1851.3	1851.3	1849.5	1830.4	1858.6	1946.0	1819.5
40°	1893.2	1917.8	1934.1	1945.1	1964.2	1964.2	1979.7	1968.7	2019.7	2159.9	2004.2
42.5°	1951.4	1952.3	2041.5	2049.7	2092.5	2110.7	2122.6	2131.7	2227.2	2383.8	2201.7
45°	2026.1	2030.6	2108.9	2171.7	2238.1	2244.5	2289.1	2319.2	2436.6	2628.6	2416.5
47.5°	2124.4	2118.9	2202.6	2302.8	2385.6	2429.3	2483.0	2515.8	2660.5	2894.4	2651.4
50°	2253.6	2237.2	2285.5	2442.9	2540.3	2588.6	2684.1	2738.7	2908.0	3148.3	2812.5
52.5°	2411.1	2383.8	2422.0	2594.0	2703.3	2800.6	2891.7	2952.6	3129.2	3344.9	2931.7
55°	2577.6	2521.2	2532.1	2754.2	2911.7	3003.6	3128.3	3192.0	3372.2	3521.5	3050.9
57.5°	2742.4	2706.9	2685.0	2908.0	3160.2	3248.5	3363.1	3446.0	3598.9	3678.1	3152.0
60°	2880.7	2871.6	2836.1	3146.5	3423.2	3498.8	3618.9	3669.9	3785.5	3822.8	3153.8
62.5°	2994.5	2963.6	3020.0	3338.6	3690.8	3776.4	3908.3	3912.9	3994.8	3912.9	3061.0
65°	3083.7	3085.5	3175.6	3570.7	4000.3	4126.8	4233.3	4221.4	4168.6	3859.2	2841.6
67.5°	3164.7	3199.3	3331.3	3825.5	4398.0	4517.2	4635.6	4479.0	4216.0	3608.0	2412.9
70°	3228.4	3263.0	3541.5	4135.9	4866.8	5041.5	5067.9	4581.0	3998.4	3056.4	1820.4
72.5°	3221.1	3283.9	3660.8	4383.5	5282.7	5433.8	5220.8	4294.3	3331.3	2130.7	1062.2
73°	3236.6	3267.6	3650.8	4452.6	5409.2	5484.8	5149.8	4204.1	3142.0	1911.4	898.4
75°	2938.1	3042.7	3469.6	4339.8	5273.6	5260.0	4742.1	3503.3	2233.6	1003.9	435.1
77.5°	2173.5	2240.0	2734.2	3568.8	4328.8	4241.5	3577.0	2239.1	1060.4	372.3	234.8
80°	1062.2	1114.1	1449.0	2060.7	2830.7	2838.0	2219.9	1165.0	454.2	210.3	160.2
82.5°	530.6	561.6	696.3	905.6	1392.6	1459.0	1125.9	662.6	281.2	119.2	91.0
85°	346.8	368.6	428.7	443.3	590.7	623.5	524.3	517.0	182.9	64.6	73.7
87.5°	230.3	233.9	263.0	223.9	236.6	227.5	253.0	325.8	53.7	27.3	20.0
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: P480726  
 CATALOG NUMBER: IFLD-S-SA2B-722-U-SL4

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1448.1	1448.1	1448.1	1448.1	1448.1	1448.1	1448.1	1448.1	1448.1	1448.1	1448.1
2.5°	1443.6	1430.8	1417.2	1398.0	1384.4	1363.5	1344.3	1336.2	1334.3	1335.2	1326.1
5°	1406.2	1388.0	1360.7	1321.6	1298.8	1264.2	1235.1	1219.6	1203.3	1206.0	1198.7
7.5°	1354.4	1334.3	1292.5	1247.0	1190.5	1141.4	1114.1	1075.8	1054.0	1037.6	1046.7
10°	1338.0	1303.4	1240.6	1177.8	1090.4	1025.8	963.0	919.3	889.3	860.1	872.9
12.5°	1329.8	1295.2	1207.8	1115.0	1002.1	903.8	815.5	761.8	719.0	693.6	703.6
15°	1322.5	1279.7	1176.9	1045.8	919.3	790.0	690.8	619.8	578.9	554.3	557.0
17.5°	1332.5	1271.5	1131.4	978.4	828.3	689.9	579.8	506.1	464.2	448.7	445.1
20°	1322.5	1262.4	1086.8	911.1	737.3	594.4	488.8	427.8	398.7	385.9	383.2
22.5°	1326.1	1240.6	1040.3	836.5	652.6	514.3	427.8	381.4	358.6	352.2	354.1
25°	1343.4	1227.8	993.9	754.5	568.9	455.1	388.6	353.2	336.8	330.4	332.2
27.5°	1356.2	1238.8	952.1	677.2	497.9	402.3	355.9	332.2	321.3	316.7	315.8
30°	1388.0	1245.1	911.1	608.0	439.6	367.7	333.1	314.0	306.7	304.0	303.1
32.5°	1435.4	1257.0	863.8	544.3	396.8	334.9	314.9	298.5	296.7	294.0	294.9
35°	1512.7	1297.9	811.0	489.7	355.9	313.1	295.8	284.9	284.9	284.9	287.6
37.5°	1623.8	1355.3	763.6	437.8	329.5	294.0	279.4	275.8	274.0	276.7	278.5
40°	1766.7	1424.4	725.4	396.8	306.7	281.2	268.5	266.7	265.8	264.9	266.7
42.5°	1923.2	1512.7	692.7	365.0	290.3	267.6	258.5	256.7	253.0	254.9	257.6
45°	2078.9	1622.0	663.5	339.5	279.4	260.3	247.6	246.7	244.8	243.9	248.5
47.5°	2251.8	1729.4	654.4	324.0	271.2	249.4	240.3	239.4	233.9	233.0	236.6
50°	2386.5	1808.5	664.4	316.7	259.4	241.2	234.8	230.3	225.7	221.2	221.2
52.5°	2479.3	1863.1	671.7	311.3	253.0	230.3	222.1	220.3	215.7	211.2	209.3
55°	2563.1	1895.9	673.5	312.2	246.7	217.5	212.1	211.2	208.4	201.2	199.3
57.5°	2591.3	1882.3	637.1	304.0	243.0	209.3	202.1	203.9	200.2	193.9	193.0
60°	2588.6	1787.6	554.3	293.1	234.8	200.2	191.1	196.6	196.6	189.3	188.4
62.5°	2431.1	1569.2	453.3	272.1	225.7	191.1	181.1	189.3	192.0	187.5	186.6
65°	2104.3	1277.9	378.6	251.2	212.1	181.1	171.1	180.2	184.8	182.9	182.0
67.5°	1741.2	977.5	314.9	223.9	194.8	167.5	159.3	165.7	168.4	169.3	170.2
70°	1230.6	650.8	263.0	193.9	171.1	152.9	143.8	144.7	143.8	146.5	146.5
72.5°	669.0	375.0	213.9	164.7	147.5	132.9	126.5	122.0	122.0	121.1	121.1
73°	572.5	336.8	203.9	160.2	141.1	129.2	122.0	118.3	118.3	117.4	116.5
75°	321.3	246.7	174.8	137.4	122.0	112.9	107.4	101.9	101.0	101.0	101.0
77.5°	211.2	192.0	139.3	110.1	98.3	90.1	88.3	82.8	82.8	82.8	81.9
80°	158.4	151.1	107.4	83.7	75.5	69.2	67.4	63.7	62.8	59.2	60.1
82.5°	105.6	119.2	78.3	59.2	51.0	47.3	47.3	46.4	43.7	39.1	39.1
85°	83.7	97.4	56.4	36.4	30.0	25.5	26.4	25.5	24.6	20.0	19.1
87.5°	15.5	39.1	16.4	10.0	7.3	4.6	4.6	2.7	1.8	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)