

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: P483266

Luminaire Tested: **IFLD-S-SA3B-750-U-T4FT-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483266  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3B-750-U-T4FT-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens with House Side Shield  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

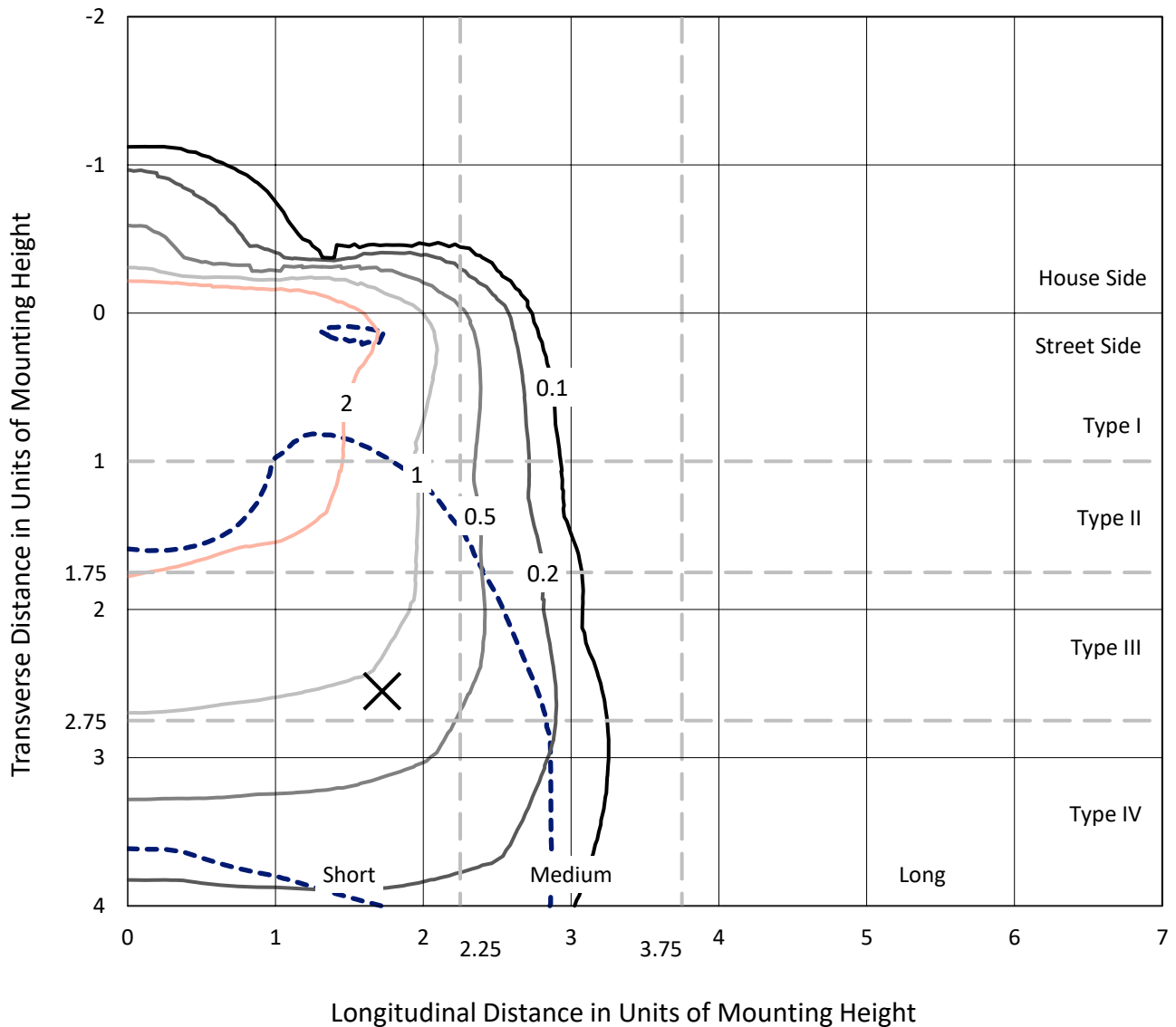
Lumens per Lamp: N/A  
Luminaire Lumens: 12585.7 lumens  
Efficiency: N/A  
Efficacy: 102.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

Input Watts (W): 122.4  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

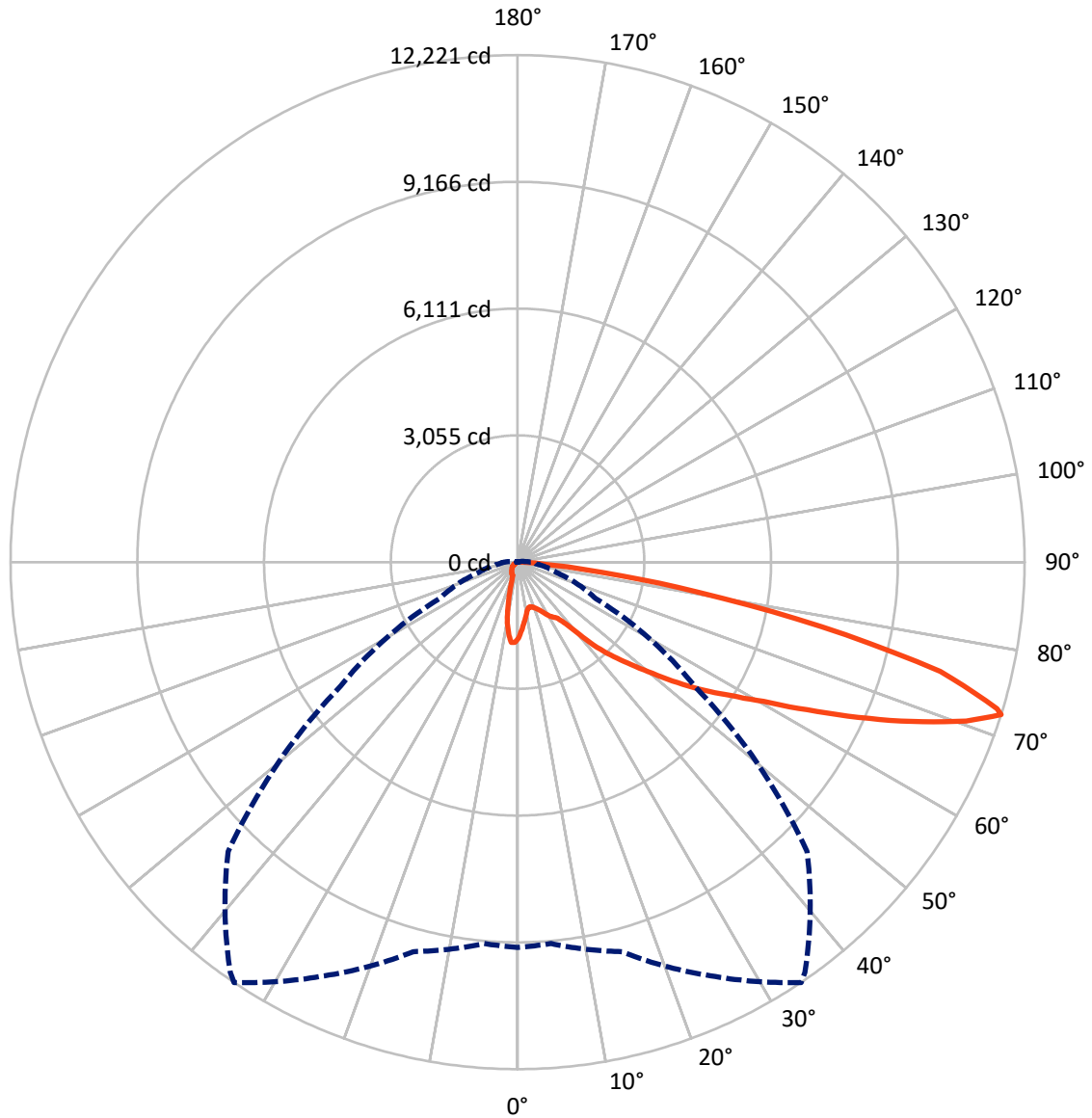
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.6 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
<b>House Side</b>	Lumens	1288.5	0.0	1288.5
	% Fixture	10.2	0.0	10.2
<b>Street Side</b>	Lumens	11297.2	0.0	11297.2
	% Fixture	89.8	0.0	89.8
<b>Total</b>	Lumens	12585.7	0.0	12585.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.8	1.3
10°-20°	361.9	2.9
20°-30°	546.2	4.3
30°-40°	886.4	7.0
40°-50°	1666.8	13.2
50°-60°	2725.3	21.7
60°-70°	3622.9	28.8
70°-80°	2426.2	19.3
80°-90°	190.1	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°	12585.7	100.0
0°-180°	12585.7	100.0



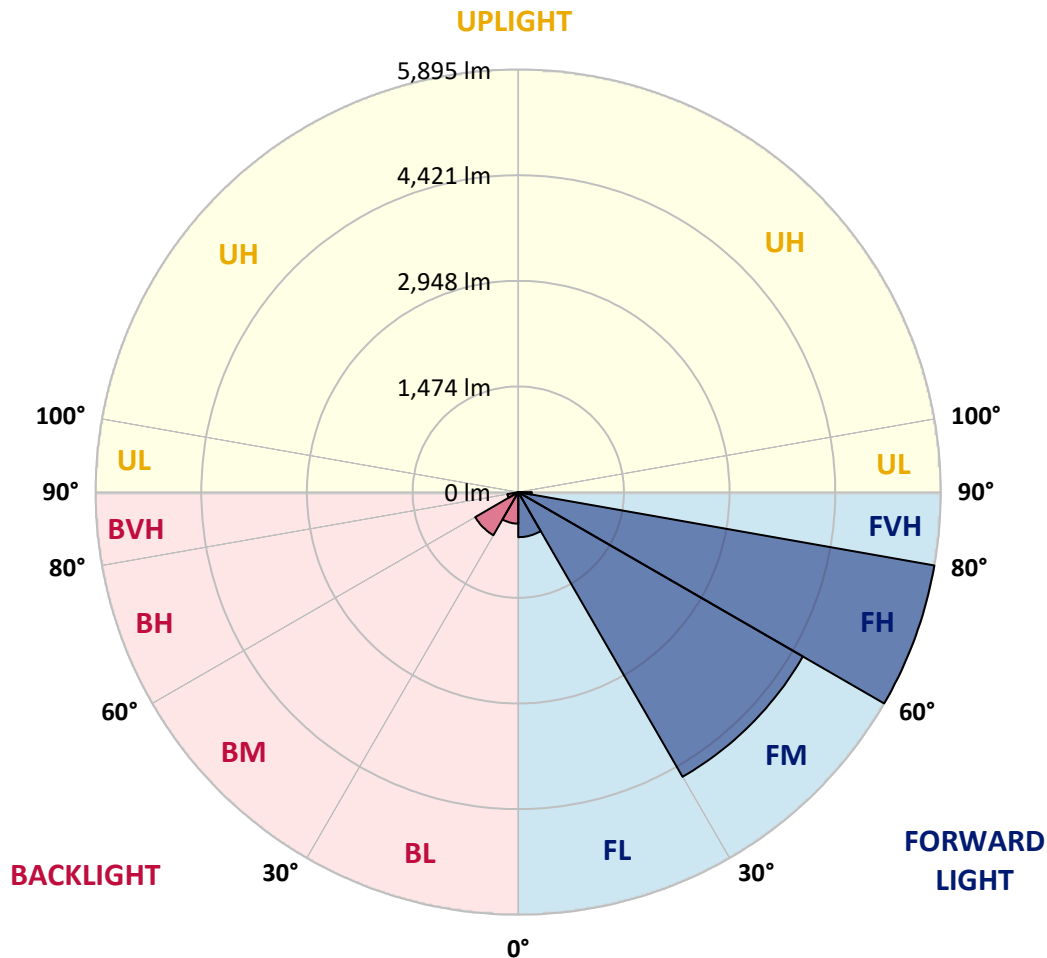
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	628.3	5.0			
FM (30°-60°)	4585.0	36.4			
FH (60°-80°)	5895.0	46.8			G3/7500
FVH (80°-90°)	188.9	1.5			G2/225
BL (0°-30°)	439.6	3.5	B1/500		
BM (30°-60°)	693.6	5.5	B1/1000		
BH (60°-80°)	154.1	1.2	B1/500		G1/500
BVH (80°-90°)	1.2	0.0			G0/10
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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	1841.3	1841.3	1841.3	1841.3	1841.3	1841.3	1841.3	1841.3	1841.3	1841.3	1841.3
2.5°	1628.4	1624.8	1635.7	1653.9	1672.1	1664.8	1699.4	1735.8	1761.2	1795.8	1837.7
5°	1422.8	1431.9	1442.8	1479.2	1502.9	1508.3	1572.0	1619.3	1697.6	1777.6	1852.2
7.5°	1235.4	1246.3	1268.2	1308.2	1357.3	1370.1	1433.7	1528.4	1630.2	1735.8	1857.7
10°	1099.0	1109.9	1133.5	1159.0	1224.5	1224.5	1311.8	1442.8	1575.7	1699.4	1859.5
12.5°	1069.8	1075.3	1073.5	1093.5	1135.3	1144.4	1230.0	1373.7	1528.4	1686.6	1888.6
15°	1104.4	1108.1	1089.9	1078.9	1115.3	1124.4	1204.5	1331.9	1497.4	1693.9	1935.9
17.5°	1173.6	1160.8	1124.4	1108.1	1139.0	1144.4	1219.0	1330.0	1493.8	1713.9	1990.5
20°	1213.6	1228.1	1164.5	1133.5	1177.2	1184.5	1264.5	1359.1	1512.0	1748.5	2066.9
22.5°	1284.5	1291.8	1206.3	1186.3	1228.1	1228.1	1319.1	1417.4	1555.6	1804.9	2157.9
25°	1384.6	1375.5	1275.4	1255.4	1295.5	1311.8	1402.8	1510.2	1623.0	1857.7	2241.6
27.5°	1462.9	1468.3	1386.4	1333.7	1401.0	1411.9	1510.2	1610.2	1673.9	1901.3	2343.5
30°	1579.3	1568.4	1481.0	1421.0	1504.7	1506.5	1601.1	1704.8	1772.2	1979.6	2496.3
32.5°	1717.6	1695.7	1595.7	1510.2	1577.5	1593.9	1690.3	1841.3	1925.0	2127.0	2732.8
35°	2010.5	1957.7	1794.0	1661.2	1666.6	1673.9	1823.1	2039.6	2136.1	2314.4	3049.4
37.5°	2438.1	2416.3	2230.7	1977.8	1881.3	1859.5	2026.9	2301.6	2421.7	2561.8	3460.6
40°	2862.0	2831.1	2658.2	2467.2	2292.5	2248.9	2332.6	2649.1	2758.3	2905.7	3882.7
42.5°	3333.3	3278.7	3074.9	2920.2	2811.1	2763.8	2731.0	3085.8	3209.5	3309.6	4295.8
45°	3810.0	3720.8	3426.1	3307.8	3249.6	3224.1	3220.5	3635.3	3709.9	3729.9	4754.3
47.5°	4228.4	4132.0	3864.5	3731.7	3688.1	3680.8	3884.6	4268.5	4210.2	4157.5	5265.5
50°	4550.5	4488.6	4295.8	4248.5	4215.7	4203.0	4679.7	4919.8	4650.6	4557.8	5714.9
52.5°	5049.0	4910.7	4692.4	4708.8	4823.4	4825.2	5485.7	5538.5	5016.3	4832.5	6138.9
55°	5447.5	5356.5	5178.2	5154.6	5456.6	5489.3	6208.0	6007.9	5220.1	5094.5	6295.4
57.5°	5916.9	5875.1	5745.9	5749.5	6066.1	6135.2	6850.3	6404.5	5389.3	5263.7	6319.0
60°	6595.6	6475.5	6408.2	6439.1	6812.1	6879.4	7472.6	6690.2	5471.1	5374.7	6260.8
62.5°	7345.2	7205.1	7132.3	7290.6	7834.6	7845.5	7945.6	6943.1	5420.2	5403.8	5886.0
65°	8247.6	8109.4	8051.1	8369.5	9015.5	8975.4	8609.7	7050.4	5258.3	5110.9	4901.6
67.5°	9146.5	9062.8	8942.7	9450.3	10254.5	10254.5	9299.3	7010.4	4834.3	4102.9	3205.9
70°	9572.2	9630.4	9821.5	10618.4	11471.7	11384.4	9979.8	6550.1	3598.9	2203.4	1260.9
72°	9288.4	9228.3	9721.4	11000.5	12221.4	12077.6	9865.2	5207.3	2079.7	966.1	438.5
72.5°	8800.8	8857.2	9535.8	10947.7	12081.3	12199.5	9585.0	4803.4	1710.3	769.6	331.1
75°	5396.5	5493.0	7117.8	9295.7	10527.4	10394.6	7414.3	2288.9	656.8	327.5	118.3
77.5°	1970.5	2050.5	3453.3	5849.6	7487.1	7403.4	4290.3	813.3	356.6	243.8	60.0
80°	513.1	554.9	1173.6	2698.3	4403.1	4408.6	1795.8	325.7	242.0	200.1	36.4
82.5°	101.9	112.8	360.3	1049.8	2057.8	2030.5	567.7	174.7	181.9	163.8	25.5
85°	12.7	16.4	76.4	356.6	665.9	596.8	140.1	87.3	134.6	127.4	16.4
87.5°	1.8	1.8	18.2	81.9	140.1	136.5	29.1	27.3	60.0	78.2	9.1
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°	1841.3	1841.3	1841.3	1841.3	1841.3	1841.3	1841.3	1841.3	1841.3	1841.3	1841.3
2.5°	1861.3	1868.6	1894.1	1915.9	1941.4	1948.6	1937.7	1955.9	1930.5	1945.0	1948.6
5°	1865.0	1906.8	1954.1	1985.0	1977.8	1959.6	1945.0	1895.9	1861.3	1848.6	1875.9
7.5°	1890.4	1937.7	1988.7	1988.7	1948.6	1854.0	1763.1	1675.7	1603.0	1566.6	1597.5
10°	1923.2	1972.3	2025.1	1955.9	1806.7	1633.9	1504.7	1340.9	1230.0	1171.7	1177.2
12.5°	1966.8	2036.0	2054.2	1894.1	1646.6	1390.1	1155.4	927.9	822.4	738.7	740.5
15°	2023.2	2090.6	2036.0	1759.4	1442.8	1064.4	782.4	565.9	482.2	438.5	438.5
17.5°	2097.8	2148.8	2030.5	1635.7	1168.1	727.8	480.3	382.1	363.9	356.6	356.6
20°	2185.2	2223.4	1977.8	1442.8	867.9	467.6	353.0	342.1	343.9	340.2	340.2
22.5°	2283.4	2296.2	1917.7	1219.0	587.7	345.7	329.3	331.1	333.0	329.3	331.1
25°	2387.1	2352.6	1830.4	957.0	391.2	314.8	318.4	322.0	323.9	325.7	325.7
27.5°	2503.6	2434.4	1708.5	700.5	305.7	296.6	307.5	318.4	320.2	320.2	318.4
30°	2674.6	2560.0	1590.2	474.9	269.3	276.6	294.8	307.5	316.6	316.6	314.8
32.5°	2891.1	2691.0	1424.6	323.9	249.3	252.9	267.5	292.9	312.9	314.8	309.3
35°	3191.3	2849.3	1251.8	258.4	234.7	236.5	245.6	265.6	300.2	311.1	309.3
37.5°	3507.9	3029.4	1037.1	232.9	223.8	222.0	227.4	243.8	274.7	302.0	303.9
40°	3844.5	3218.6	811.5	220.2	214.7	211.1	212.9	220.2	243.8	278.4	285.7
42.5°	4161.1	3389.7	609.5	207.4	205.6	202.0	202.0	203.8	216.5	240.2	243.8
45°	4503.2	3529.8	464.0	198.3	192.9	194.7	187.4	183.8	192.9	194.7	192.9
47.5°	4823.4	3669.9	371.2	187.4	181.9	181.9	172.8	165.6	165.6	149.2	147.4
50°	5123.6	3746.3	296.6	172.8	171.0	169.2	156.5	143.7	132.8	112.8	109.2
52.5°	5372.9	3742.6	229.3	154.7	160.1	154.7	134.6	116.4	100.1	81.9	78.2
55°	5447.5	3568.0	172.8	127.4	136.5	129.2	107.3	91.0	72.8	58.2	56.4
57.5°	5383.8	3302.3	131.0	98.3	105.5	98.3	81.9	67.3	50.9	40.0	36.4
60°	5170.9	2991.2	101.9	76.4	80.1	74.6	61.9	50.9	36.4	25.5	21.8
62.5°	4767.0	2601.8	78.2	60.0	58.2	58.2	47.3	38.2	25.5	14.6	12.7
65°	3911.9	2028.7	60.0	41.8	41.8	41.8	36.4	27.3	16.4	7.3	3.6
67.5°	2456.3	1180.8	49.1	32.8	30.9	30.9	25.5	18.2	9.1	1.8	0.0
70°	924.3	433.0	38.2	25.5	23.7	23.7	18.2	10.9	5.5	0.0	0.0
72°	318.4	165.6	30.9	18.2	18.2	16.4	12.7	9.1	3.6	0.0	0.0
72.5°	262.0	132.8	29.1	18.2	16.4	16.4	12.7	9.1	3.6	0.0	0.0
75°	94.6	54.6	20.0	12.7	10.9	10.9	9.1	5.5	1.8	0.0	0.0
77.5°	47.3	34.6	16.4	10.9	9.1	5.5	5.5	3.6	1.8	0.0	0.0
80°	29.1	21.8	9.1	7.3	5.5	3.6	1.8	1.8	0.0	0.0	0.0
82.5°	20.0	12.7	5.5	5.5	3.6	1.8	0.0	0.0	0.0	0.0	0.0
85°	12.7	5.5	3.6	3.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.5	3.6	1.8	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)