

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: P483476

Luminaire Tested: **IFLD-S-SA6B-722-U-T4W-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483476  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6B-722-U-T4W-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W distribution lens with House Side Shield  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18141.5 lumens  
Efficiency: N/A  
Efficacy: 74.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G4

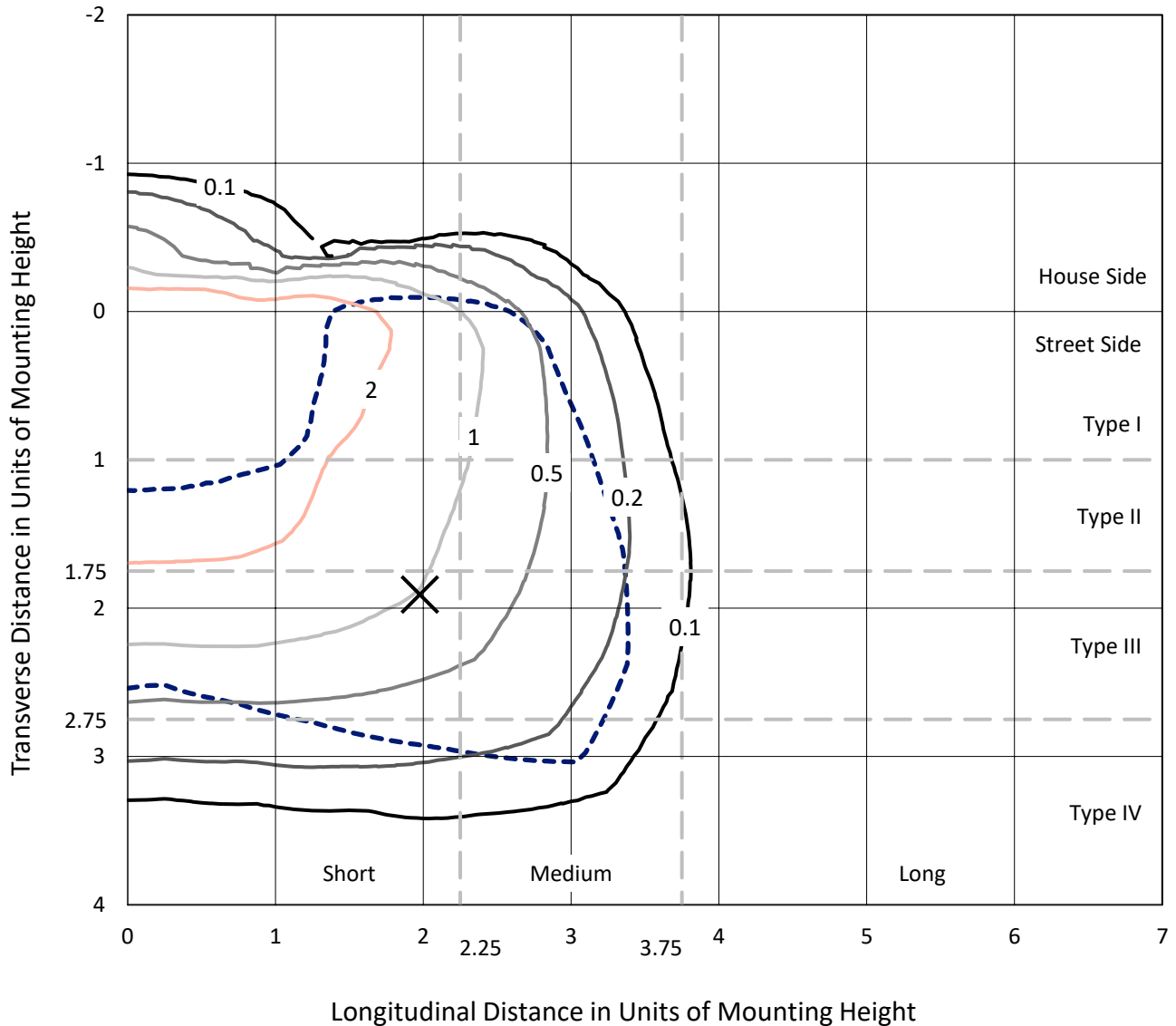
Input Watts (W): 244.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P483476  
 CATALOG NUMBER: IFLD-S-SA6B-722-U-T4W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

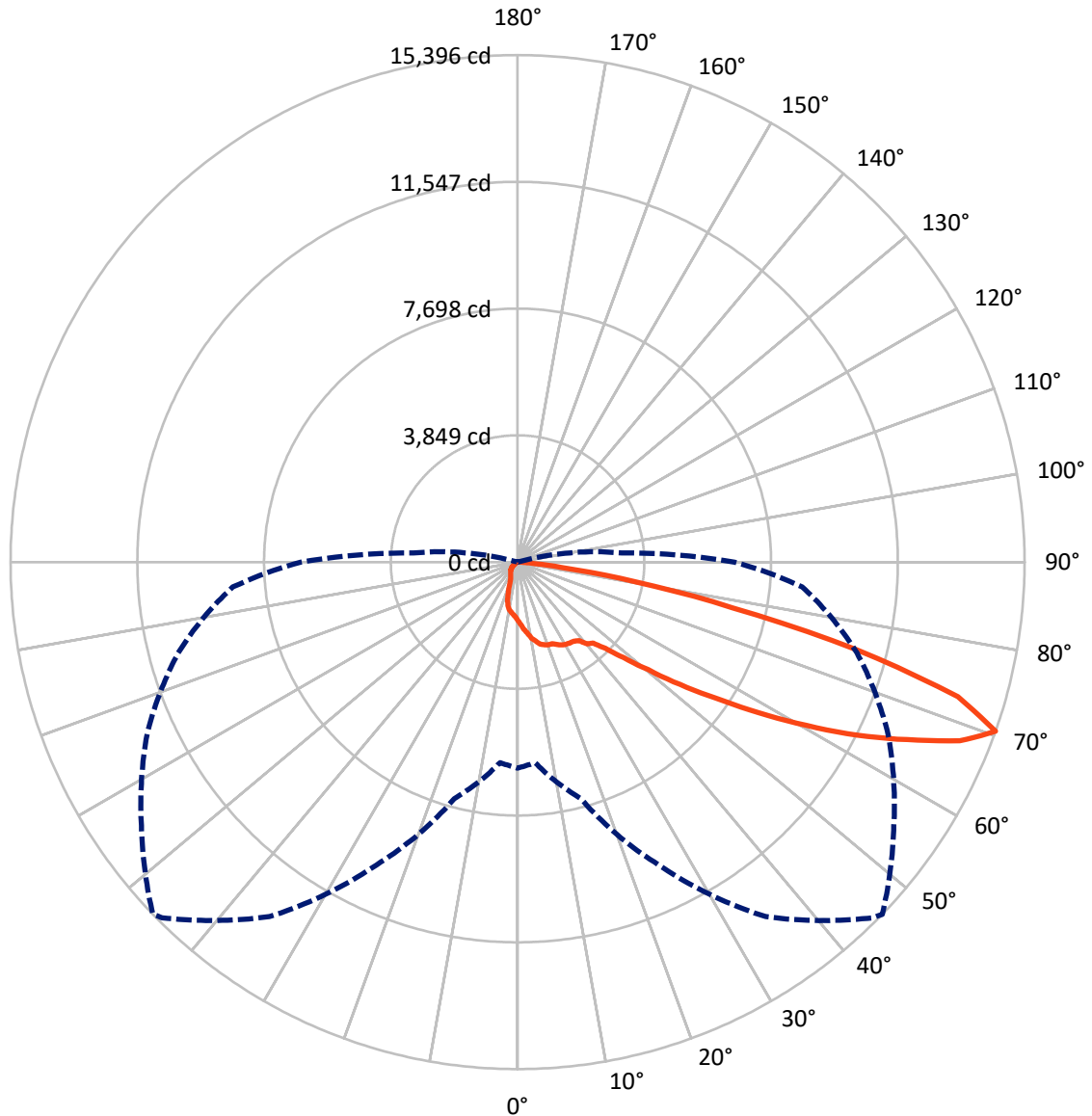
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc  
 Type IV - Short - N/A

REPORT NUMBER: P483476  
CATALOG NUMBER: IFLD-S-SA6B-722-U-T4W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P483476  
 CATALOG NUMBER: IFLD-S-SA6B-722-U-T4W-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1805.1	0.0	1805.1
	% Fixture	10.0	0.0	10.0
<b>Street Side</b>	Lumens	16336.4	0.0	16336.4
	% Fixture	90.0	0.0	90.0
<b>Total</b>	Lumens	18141.5	0.0	18141.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.6	1.0
10°-20°	536.3	3.0
20°-30°	859.0	4.7
30°-40°	1226.1	6.8
40°-50°	2117.2	11.7
50°-60°	4053.5	22.3
60°-70°	6002.5	33.1
70°-80°	2973.0	16.4
80°-90°	196.4	1.1
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°	18141.5	100.0
0°-180°	18141.5	100.0



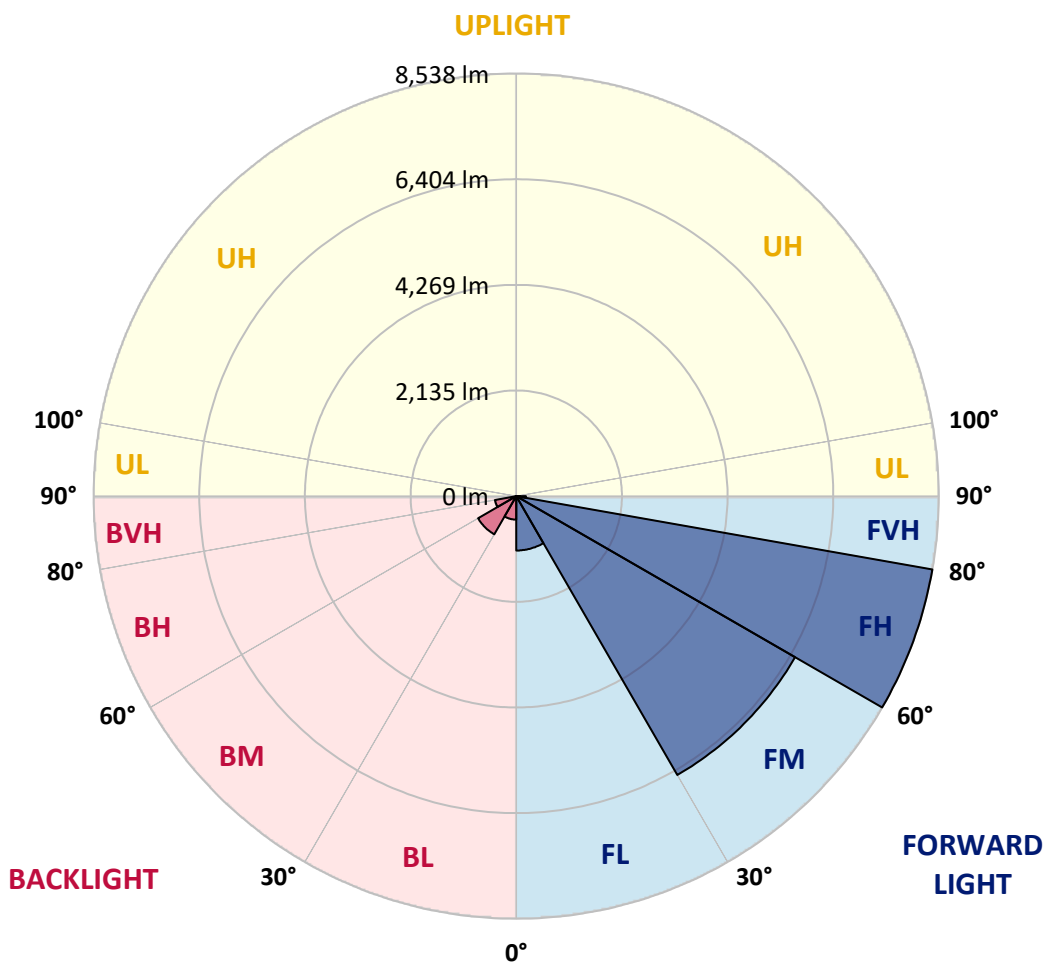
REPORT NUMBER: P483476  
 CATALOG NUMBER: IFLD-S-SA6B-722-U-T4W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1098.6	6.1			
FM (30°-60°)	6505.5	35.9			
FH (60°-80°)	8538.3	47.1			G4/12000
FVH (80°-90°)	194.0	1.1			G2/225
BL (0°-30°)	474.2	2.6	B1/500		
BM (30°-60°)	891.2	4.9	B1/1000		
BH (60°-80°)	437.2	2.4	B1/500		G1/500
BVH (80°-90°)	2.5	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-G4**

Type IV Short





REPORT NUMBER: P483476

CATALOG NUMBER: IFLD-S-SA6B-722-U-T4W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1780.9	1780.9	1780.9	1780.9	1780.9	1780.9	1780.9	1780.9	1780.9	1780.9	1780.9
2.5°	1987.2	1974.2	1953.3	1945.4	1924.6	1914.1	1898.4	1890.6	1861.9	1833.2	1814.9
5°	2230.1	2198.7	2209.2	2177.9	2110.0	2055.1	2052.5	1992.4	1927.2	1874.9	1804.4
7.5°	2475.5	2449.4	2410.3	2365.9	2290.1	2209.2	2185.7	2128.2	2036.8	1945.4	1851.4
10°	2661.0	2642.7	2608.7	2546.1	2441.6	2350.2	2352.8	2256.2	2159.6	2055.1	1927.2
12.5°	2775.9	2783.7	2734.1	2671.4	2580.0	2465.1	2462.5	2397.2	2287.5	2177.9	2026.4
15°	2890.7	2919.5	2843.7	2770.6	2653.1	2569.6	2585.2	2506.9	2399.8	2274.5	2107.3
17.5°	2909.0	2916.9	2901.2	2794.1	2708.0	2637.4	2640.1	2587.8	2506.9	2371.1	2227.5
20°	2877.7	2872.5	2854.2	2775.9	2718.4	2676.6	2679.2	2666.2	2621.8	2512.1	2316.3
22.5°	2786.3	2786.3	2762.8	2710.6	2684.5	2723.6	2692.3	2741.9	2694.9	2629.6	2467.7
25°	2713.2	2741.9	2728.8	2694.9	2705.3	2757.6	2773.2	2820.2	2812.4	2731.5	2572.2
27.5°	2791.5	2757.6	2765.4	2726.2	2765.4	2843.7	2851.6	2885.5	2882.9	2817.6	2666.2
30°	2843.7	2875.1	2815.0	2728.8	2770.6	2903.8	2898.6	2943.0	2963.9	2885.5	2755.0
32.5°	3010.9	2984.8	2935.1	2820.2	2825.5	2901.2	2924.7	2982.1	2995.2	2948.2	2841.1
35°	3353.0	3313.8	3097.0	2924.7	2898.6	2935.1	2950.8	3063.1	3086.6	3034.4	2932.5
37.5°	3880.4	3791.7	3530.5	3149.3	3031.8	3023.9	3023.9	3172.8	3261.6	3141.4	3068.3
40°	4635.1	4509.8	4227.8	3564.5	3206.7	3238.1	3269.4	3350.3	3339.9	3261.6	3245.9
42.5°	5596.1	5499.5	5193.9	4261.7	3541.0	3384.3	3358.2	3467.9	3632.4	3601.0	3590.6
45°	6397.8	6403.0	6207.1	5217.5	4118.1	3721.2	3739.4	3823.0	4099.8	4076.3	4073.7
47.5°	6982.7	6909.6	6880.9	6139.3	4958.9	4360.9	4334.8	4392.3	4752.6	4901.5	4969.4
50°	7515.4	7465.8	7397.9	7034.9	5969.5	5162.6	5136.5	5141.7	5692.7	5901.6	6068.7
52.5°	8176.1	8238.8	8014.2	7792.2	7277.8	6204.5	6175.8	6074.0	6758.1	7045.4	7243.8
55°	8990.8	8873.3	8620.0	8734.9	8528.6	7330.0	7277.8	7157.7	7972.4	8092.5	8301.4
57.5°	9171.0	9082.2	9343.4	9750.7	9949.2	8651.4	8630.5	8413.7	8993.4	8883.8	9473.9
60°	9620.2	9643.7	10006.6	10816.2	11160.9	10176.4	10074.5	9693.3	9983.1	10004.0	10633.4
62.5°	10082.4	10027.5	10839.7	11617.8	12147.9	11620.4	11586.5	10829.2	11158.2	10891.9	11724.9
65°	9742.9	9826.5	10988.5	12291.6	13427.5	13033.2	13004.5	11923.4	12103.5	11771.9	12168.8
67.5°	8536.5	8366.7	9993.6	11983.4	14085.5	14513.8	14482.5	13116.7	12636.3	11766.7	11247.0
70°	6256.8	6110.5	7437.1	10147.7	13142.9	15271.1	15396.4	13947.1	12419.5	10669.9	8677.5
72.5°	3065.7	3068.3	4167.7	6880.9	10398.3	13918.4	13981.1	12787.7	10669.9	7865.3	4914.5
75°	906.1	916.6	1543.3	3373.8	6721.6	10570.7	10641.2	9706.3	7395.3	4063.2	1676.5
77.5°	331.6	331.6	511.8	1266.5	3353.0	6672.0	6666.7	5959.1	3744.7	1376.2	391.7
80°	172.3	180.2	266.4	517.0	1451.9	3475.7	3606.3	2916.9	1423.2	579.7	114.9
82.5°	70.5	78.3	146.2	266.4	697.2	1219.5	1334.4	1143.8	618.9	404.8	52.2
85°	20.9	23.5	70.5	148.8	274.2	305.5	339.5	383.9	389.1	313.4	23.5
87.5°	2.6	2.6	28.7	49.6	60.1	65.3	75.7	75.7	198.5	219.4	13.1
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: P483476

CATALOG NUMBER: IFLD-S-SA6B-722-U-T4W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1780.9	1780.9	1780.9	1780.9	1780.9	1780.9	1780.9	1780.9	1780.9	1780.9	1780.9
2.5°	1794.0	1780.9	1760.0	1713.0	1702.6	1668.6	1666.0	1634.7	1645.1	1624.3	1616.4
5°	1780.9	1752.2	1694.8	1658.2	1621.6	1598.1	1582.5	1569.4	1566.8	1556.4	1551.1
7.5°	1804.4	1765.3	1676.5	1619.0	1556.4	1535.5	1501.5	1498.9	1480.6	1462.3	1462.3
10°	1882.8	1812.3	1715.6	1619.0	1538.1	1470.2	1391.8	1334.4	1313.5	1266.5	1271.7
12.5°	1945.4	1882.8	1741.8	1642.5	1519.8	1365.7	1193.4	1060.2	997.5	937.5	961.0
15°	2034.2	1942.8	1791.4	1647.8	1449.3	1182.9	900.9	752.1	694.6	681.6	678.9
17.5°	2130.9	2034.2	1854.0	1634.7	1305.7	914.0	663.3	577.1	587.6	603.2	600.6
20°	2237.9	2120.4	1901.1	1590.3	1078.5	663.3	543.2	540.5	556.2	579.7	584.9
22.5°	2350.2	2248.4	1958.5	1457.1	804.3	532.7	522.3	522.3	532.7	561.4	556.2
25°	2475.5	2339.8	1987.2	1250.8	577.1	490.9	496.2	506.6	511.8	535.3	537.9
27.5°	2572.2	2441.6	1995.1	1002.8	470.0	454.4	467.4	480.5	488.3	506.6	514.4
30°	2661.0	2569.6	1953.3	746.8	430.9	423.0	428.3	446.5	462.2	477.9	477.9
32.5°	2773.2	2642.7	1856.7	530.1	407.4	394.3	391.7	399.5	417.8	436.1	436.1
35°	2888.1	2765.4	1702.6	425.6	386.5	368.2	357.8	349.9	357.8	370.8	381.3
37.5°	3055.3	2950.8	1509.4	391.7	370.8	344.7	323.8	305.5	292.5	289.9	297.7
40°	3292.9	3159.7	1261.3	368.2	352.5	321.2	289.9	258.5	229.8	211.5	214.1
42.5°	3653.3	3467.9	992.3	355.1	339.5	295.1	250.7	206.3	169.7	151.5	151.5
45°	4167.7	3875.2	728.6	342.1	323.8	263.7	206.3	154.1	117.5	107.1	109.7
47.5°	4943.3	4366.2	522.3	321.2	302.9	229.8	161.9	109.7	86.2	81.0	83.6
50°	5956.5	4948.5	407.4	297.7	276.8	193.2	120.1	81.0	67.9	65.3	67.9
52.5°	7019.3	5536.0	357.8	276.8	237.6	154.1	88.8	65.3	57.4	54.8	57.4
55°	7928.0	5914.7	310.7	245.5	190.6	114.9	70.5	57.4	49.6	41.8	41.8
57.5°	8847.2	6105.3	245.5	203.7	141.0	86.2	60.1	49.6	41.8	33.9	31.3
60°	9594.1	6241.1	175.0	151.5	99.2	67.9	52.2	44.4	33.9	26.1	23.5
62.5°	10085.0	5852.0	128.0	114.9	73.1	57.4	44.4	36.6	26.1	18.3	18.3
65°	9842.1	5314.1	99.2	81.0	54.8	44.4	36.6	26.1	18.3	10.4	7.8
67.5°	8831.5	4329.6	81.0	60.1	41.8	33.9	28.7	20.9	10.4	2.6	2.6
70°	6588.4	3172.8	65.3	44.4	33.9	26.1	20.9	13.1	5.2	2.6	0.0
72.5°	3603.6	1736.5	52.2	36.6	26.1	20.9	15.7	10.4	5.2	0.0	0.0
75°	1190.8	462.2	39.2	26.1	15.7	13.1	10.4	7.8	2.6	0.0	0.0
77.5°	287.2	120.1	31.3	23.5	13.1	7.8	5.2	2.6	2.6	0.0	0.0
80°	88.8	49.6	23.5	15.7	10.4	7.8	2.6	0.0	0.0	0.0	0.0
82.5°	36.6	23.5	10.4	10.4	7.8	2.6	0.0	0.0	0.0	0.0	0.0
85°	18.3	13.1	7.8	5.2	5.2	2.6	0.0	0.0	0.0	0.0	0.0
87.5°	13.1	5.2	2.6	2.6	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)