

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: P481900

Luminaire Tested: **IFLD-S-SA3A-722-U-T2R-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P481900  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-722-U-T2R-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens with House Side Shield  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

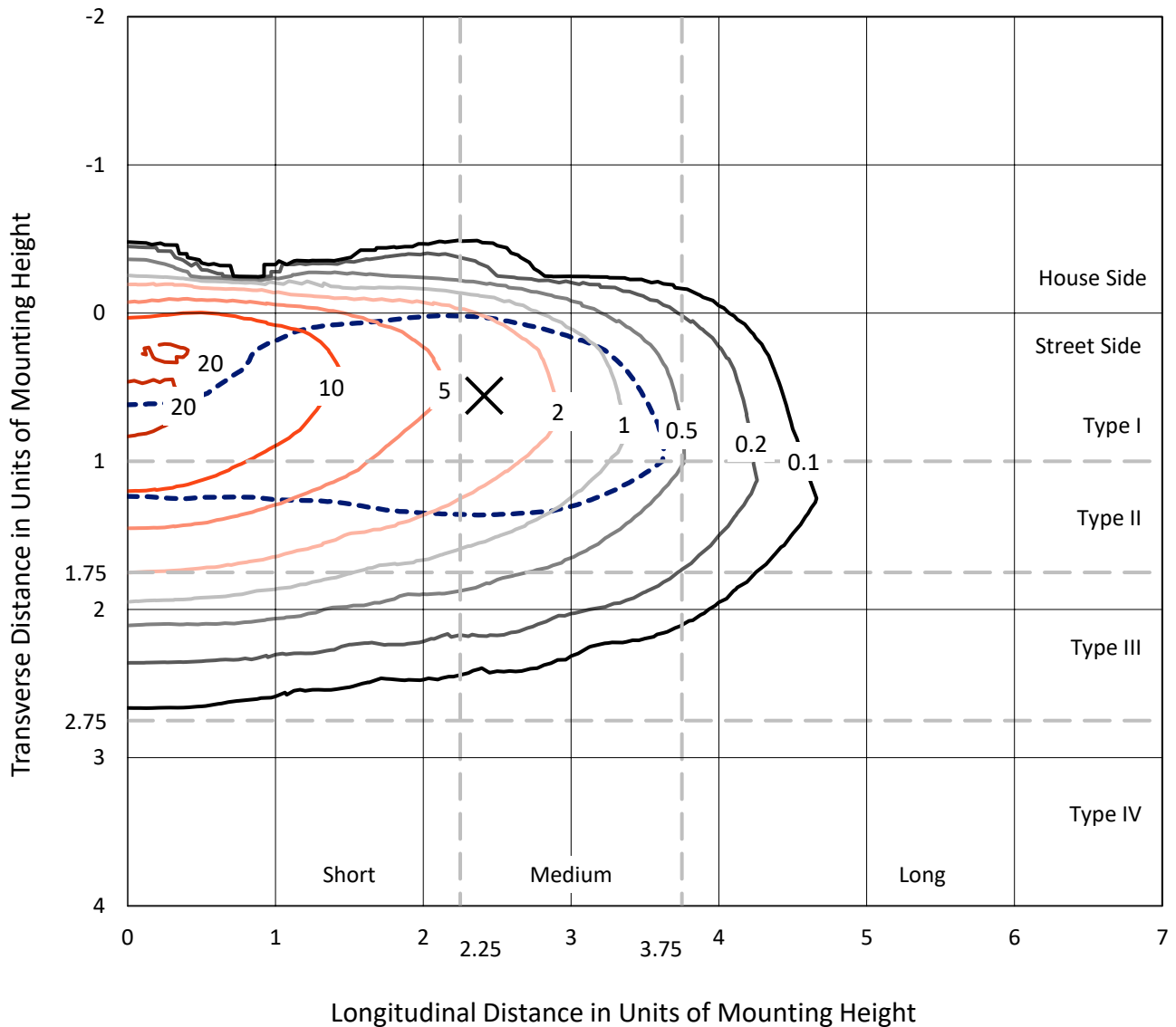
Lumens per Lamp: N/A  
Luminaire Lumens: 7967.9 lumens  
Efficiency: N/A  
Efficacy: 84.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 94.8  
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: P481900  
 CATALOG NUMBER: IFLD-S-SA3A-722-U-T2R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

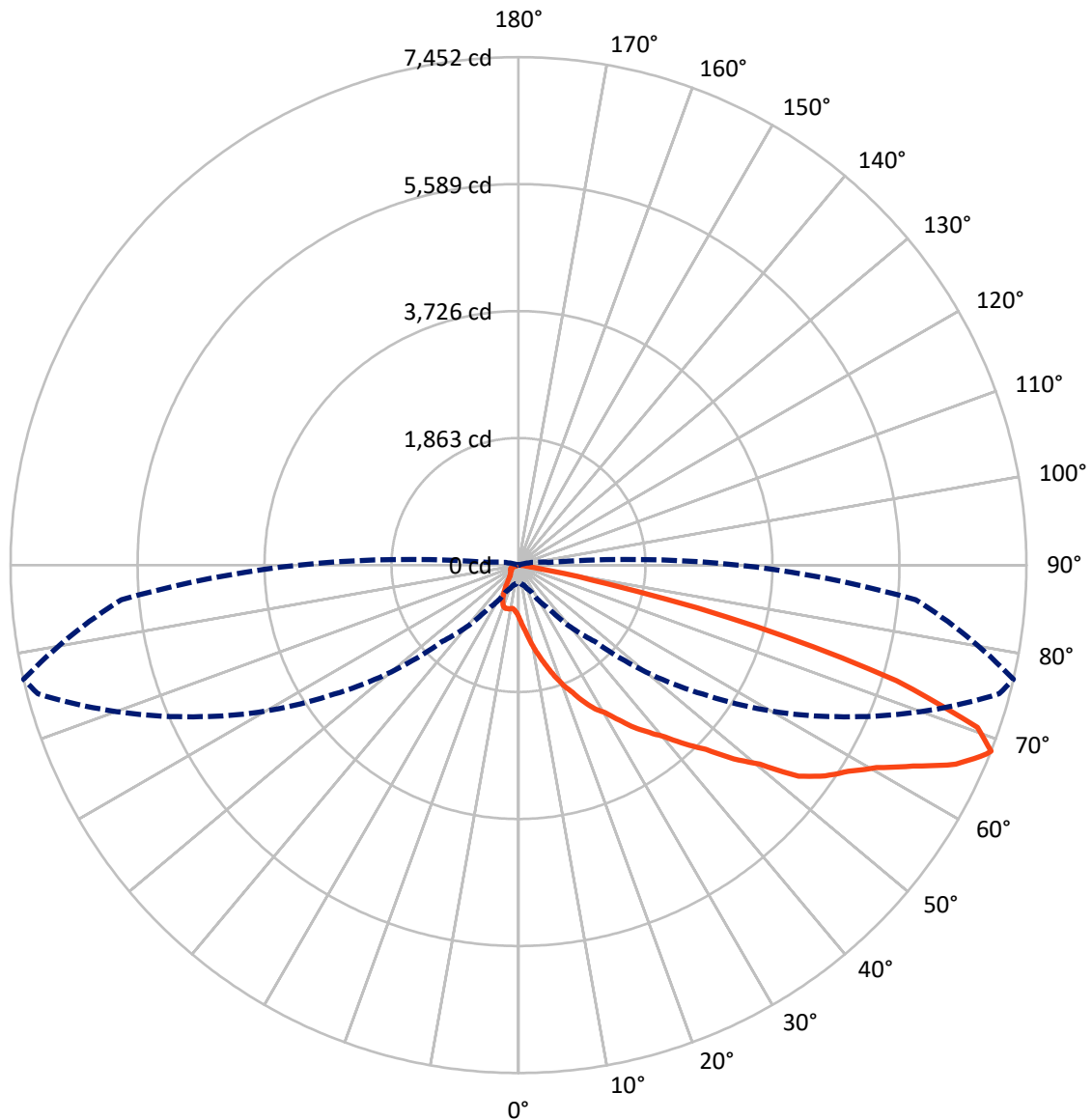
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.6 fc  
 Type II - Medium - N/A

REPORT NUMBER: P481900  
CATALOG NUMBER: IFLD-S-SA3A-722-U-T2R-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

REPORT NUMBER: P481900  
 CATALOG NUMBER: IFLD-S-SA3A-722-U-T2R-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	361.3	0.0	361.3
	% Fixture	4.5	0.0	4.5
<b>Street Side</b>	Lumens	7606.5	0.0	7606.5
	% Fixture	95.5	0.0	95.5
<b>Total</b>	Lumens	7967.9	0.0	7967.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.1	1.1
10°-20°	328.7	4.1
20°-30°	637.1	8.0
30°-40°	1110.6	13.9
40°-50°	1626.6	20.4
50°-60°	1911.0	24.0
60°-70°	1613.7	20.3
70°-80°	625.5	7.9
80°-90°	25.4	0.3
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°	7967.9	100.0
0°-180°	7967.9	100.0

**Coefficient of Utilization**



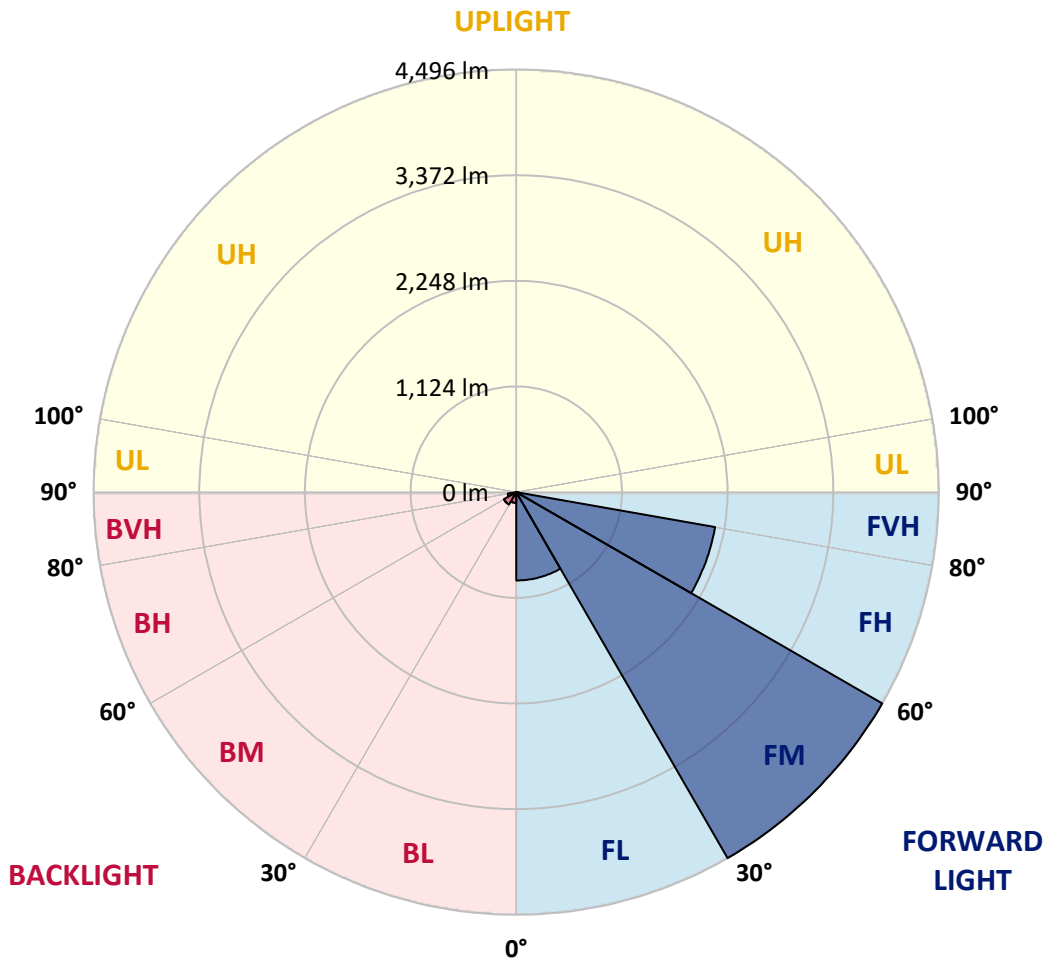
REPORT NUMBER: P481900  
 CATALOG NUMBER: IFLD-S-SA3A-722-U-T2R-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	939.5	11.8			
FM (30°-60°)	4495.6	56.4			
FH (60°-80°)	2148.0	27.0			G2/5000
FVH (80°-90°)	23.5	0.3			G1/100
BL (0°-30°)	115.4	1.4	B1/500		
BM (30°-60°)	152.7	1.9	B0/220		
BH (60°-80°)	91.2	1.1	B0/110		G0/110
BVH (80°-90°)	2.0	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-G2**

Type II Medium





REPORT NUMBER: P481900

CATALOG NUMBER: IFLD-S-SA3A-722-U-T2R-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	762.9	762.9	762.9	762.9	762.9	762.9	762.9	762.9	762.9	762.9	762.9
2.5°	1159.2	1137.3	1114.2	1107.6	1064.8	1016.5	971.5	927.6	854.0	855.1	804.6
5°	1494.0	1466.6	1447.9	1443.5	1376.6	1293.1	1225.1	1101.0	979.2	951.7	859.5
7.5°	1769.6	1760.8	1733.3	1710.3	1660.9	1558.8	1478.7	1300.8	1115.3	1084.6	926.5
10°	1936.4	1949.6	1961.7	1932.0	1893.6	1820.1	1710.3	1518.2	1270.1	1231.7	1013.2
12.5°	2114.3	2092.3	2100.0	2124.1	2073.6	2057.2	1921.1	1742.1	1451.2	1377.7	1123.0
15°	2160.4	2169.1	2187.8	2258.1	2292.1	2244.9	2127.4	1923.2	1638.9	1536.8	1225.1
17.5°	2191.1	2186.7	2209.8	2315.1	2366.7	2411.7	2338.2	2125.2	1802.5	1711.4	1352.4
20°	2229.5	2205.4	2255.9	2322.8	2442.5	2536.9	2533.6	2328.3	1973.7	1877.1	1478.7
22.5°	2372.2	2353.6	2394.2	2400.8	2484.2	2615.9	2647.8	2494.1	2149.4	2030.8	1614.8
25°	2635.7	2669.7	2621.4	2579.7	2604.9	2691.7	2714.7	2641.2	2326.1	2217.4	1750.9
27.5°	3021.0	3016.6	2921.1	2867.3	2806.9	2796.0	2812.4	2778.4	2465.5	2387.6	1862.9
30°	3434.8	3398.6	3310.8	3181.3	3048.4	2966.1	2943.1	2907.9	2629.1	2516.0	1973.7
32.5°	3764.2	3783.9	3686.2	3517.2	3296.5	3185.7	3074.8	3036.4	2809.1	2709.2	2101.1
35°	4067.1	4040.8	3962.9	3820.2	3622.6	3443.6	3270.2	3187.9	3025.4	2926.6	2241.6
37.5°	4291.1	4324.0	4175.8	4039.7	3843.2	3695.0	3524.9	3344.8	3248.2	3116.5	2412.8
40°	4503.0	4451.4	4351.5	4226.3	4044.1	3931.0	3819.1	3538.0	3485.3	3315.2	2606.0
42.5°	4465.6	4468.9	4414.0	4313.0	4181.3	4116.5	4078.1	3773.0	3700.5	3591.8	2794.9
45°	4313.0	4326.2	4344.9	4295.5	4306.5	4241.7	4344.9	4043.0	3971.6	3856.4	3012.2
47.5°	4145.1	4167.0	4162.7	4252.7	4354.8	4376.7	4634.7	4342.7	4311.9	4248.3	3313.0
50°	3866.3	3875.0	3959.6	4123.1	4262.5	4492.0	4852.0	4669.8	4717.0	4591.9	3670.9
52.5°	3389.8	3421.7	3639.0	3872.8	4153.9	4550.2	4999.1	5156.1	5275.8	5147.3	4014.5
55°	2787.2	2831.1	3045.1	3483.1	3894.8	4462.3	5133.1	5413.0	5655.6	5461.3	4223.0
57.5°	2242.7	2247.1	2439.2	2891.5	3527.1	4290.0	5201.1	5538.1	5864.2	5708.3	4477.7
60°	1709.2	1691.6	1864.0	2255.9	2907.9	3866.3	5031.0	5601.8	6124.3	6034.3	4784.0
62.5°	1099.9	1072.5	1260.2	1642.2	2271.2	3160.4	4690.7	5602.9	6530.5	6496.5	5296.6
65°	544.5	525.8	687.2	1006.6	1572.0	2417.2	4205.5	5582.0	7026.7	7048.6	5796.1
67.5°	287.6	294.2	345.8	510.5	906.7	1708.1	3474.4	5337.2	7280.2	7403.2	5916.8
68°	264.6	266.8	307.4	424.8	787.1	1584.0	3300.9	5265.9	7300.0	7451.5	5849.9
70°	215.2	218.5	232.7	266.8	425.9	1030.8	2546.8	4659.9	7002.5	7140.8	5295.5
72.5°	171.2	181.1	189.9	204.2	250.3	541.2	1584.0	3631.3	5785.1	5800.5	4122.0
75°	130.6	138.3	155.9	168.0	195.4	297.5	754.2	2214.2	3796.0	3609.4	2428.2
77.5°	101.0	107.6	115.3	131.7	163.6	200.9	230.5	939.7	1612.6	1327.2	686.1
80°	60.4	64.8	90.0	103.2	142.7	136.1	91.1	261.3	327.1	258.0	125.1
82.5°	35.1	38.4	51.6	79.0	99.9	73.5	53.8	81.2	80.1	70.3	41.7
85°	1.1	2.2	28.5	47.2	35.1	19.8	32.9	34.0	28.5	26.3	18.7
87.5°	0.0	1.1	7.7	6.6	7.7	4.4	6.6	8.8	11.0	9.9	7.7
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: P481900

CATALOG NUMBER: IFLD-S-SA3A-722-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	762.9	762.9	762.9	762.9	762.9	762.9	762.9	762.9	762.9	762.9	762.9
2.5°	770.6	746.5	692.7	652.1	608.2	581.8	555.5	539.0	530.2	524.7	529.1
5°	790.4	739.9	653.2	576.3	525.8	491.8	457.8	440.2	423.7	414.9	420.4
7.5°	834.3	758.5	614.7	531.3	472.0	419.3	376.5	342.5	322.7	305.2	308.5
10°	888.1	769.5	615.8	505.0	419.3	335.9	275.5	232.7	208.6	193.2	192.1
12.5°	943.0	812.3	620.2	478.6	354.6	252.5	181.1	149.3	135.0	127.3	127.3
15°	1026.4	850.8	609.2	430.3	268.9	164.7	124.0	113.1	107.6	101.0	102.1
17.5°	1098.8	912.2	603.8	357.9	184.4	118.6	103.2	91.1	85.6	79.0	79.0
20°	1196.5	950.6	574.1	276.6	127.3	98.8	83.4	72.5	63.7	58.2	59.3
22.5°	1285.5	980.3	521.4	188.8	97.7	77.9	61.5	50.5	42.8	36.2	37.3
25°	1382.1	1009.9	444.6	116.4	69.2	48.3	32.9	24.2	16.5	12.1	12.1
27.5°	1451.2	1018.7	344.7	69.2	41.7	22.0	7.7	1.1	0.0	0.0	0.0
30°	1521.5	1022.0	238.2	37.3	16.5	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	1601.6	1020.9	149.3	19.8	1.1	0.0	0.0	0.0	0.0	0.0	0.0
35°	1663.1	1002.2	71.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	1756.4	974.8	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	1862.9	925.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1958.4	874.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	2067.1	812.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	2258.1	786.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	2507.3	765.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	2660.9	703.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2741.1	640.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	2859.6	609.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	3035.3	611.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	3309.7	642.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	3461.2	611.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	3332.8	489.6	20.9	5.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0
68°	3221.9	450.1	20.9	5.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	2663.1	293.1	19.8	5.5	2.2	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1939.7	162.5	16.5	4.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0
75°	1128.5	81.2	12.1	4.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	294.2	40.6	9.9	5.5	3.3	1.1	0.0	0.0	0.0	0.0	0.0
80°	58.2	26.3	8.8	6.6	4.4	2.2	0.0	0.0	0.0	0.0	0.0
82.5°	27.4	18.7	8.8	6.6	5.5	3.3	1.1	0.0	0.0	0.0	0.0
85°	14.3	8.8	8.8	6.6	6.6	4.4	2.2	0.0	0.0	0.0	0.0
87.5°	6.6	3.3	3.3	3.3	3.3	2.2	1.1	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)