

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: P481930

Luminaire Tested: **IFLD-L-SA8A-722-U-T2R-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P481930  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8A-722-U-T2R-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens with House Side Shield  
Light Source: (128) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

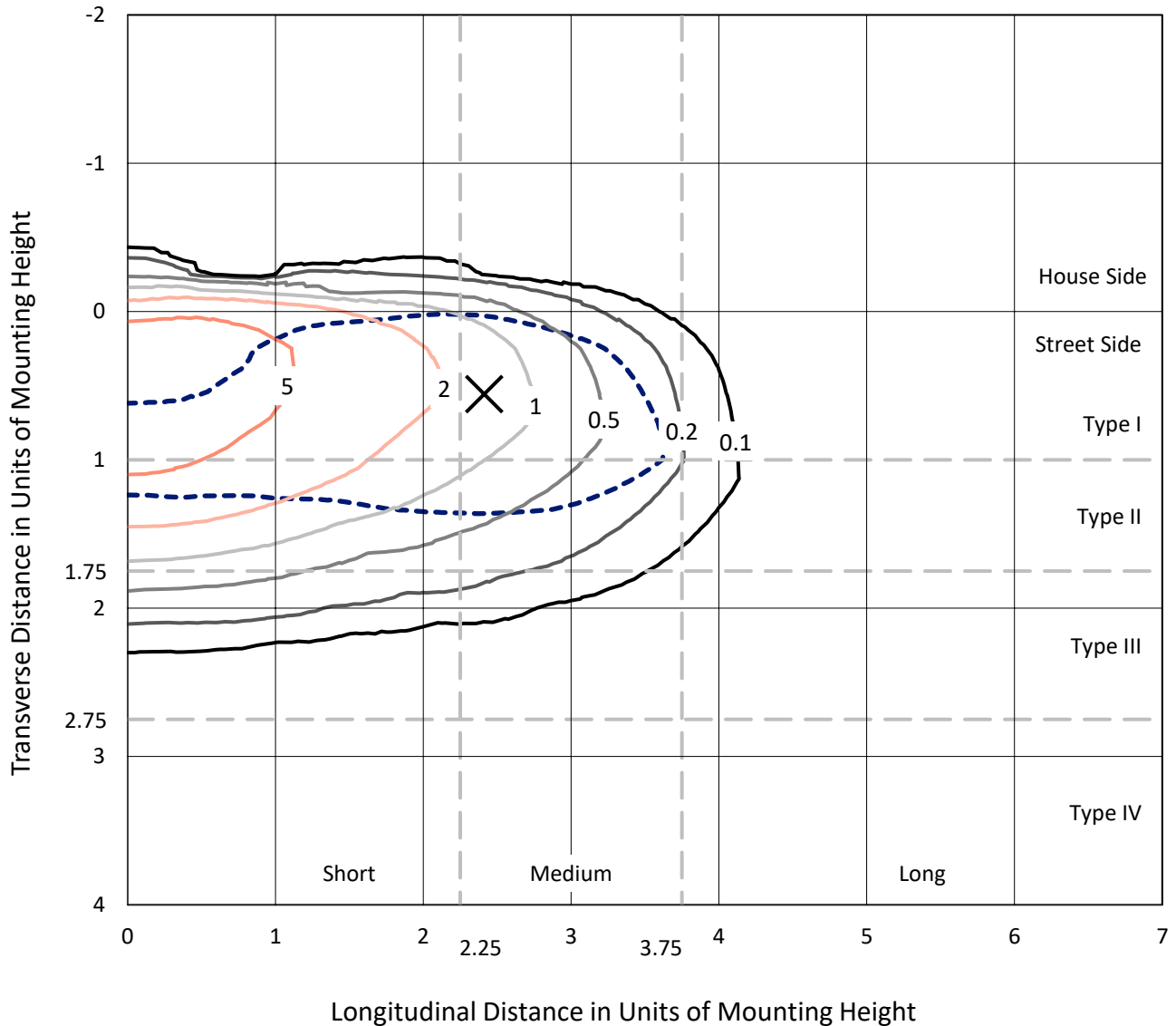
Lumens per Lamp: N/A  
Luminaire Lumens: 19838.5 lumens  
Efficiency: N/A  
Efficacy: 80.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G3

Input Watts (W): 247.8  
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: P481930  
 CATALOG NUMBER: IFLD-L-SA8A-722-U-T2R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

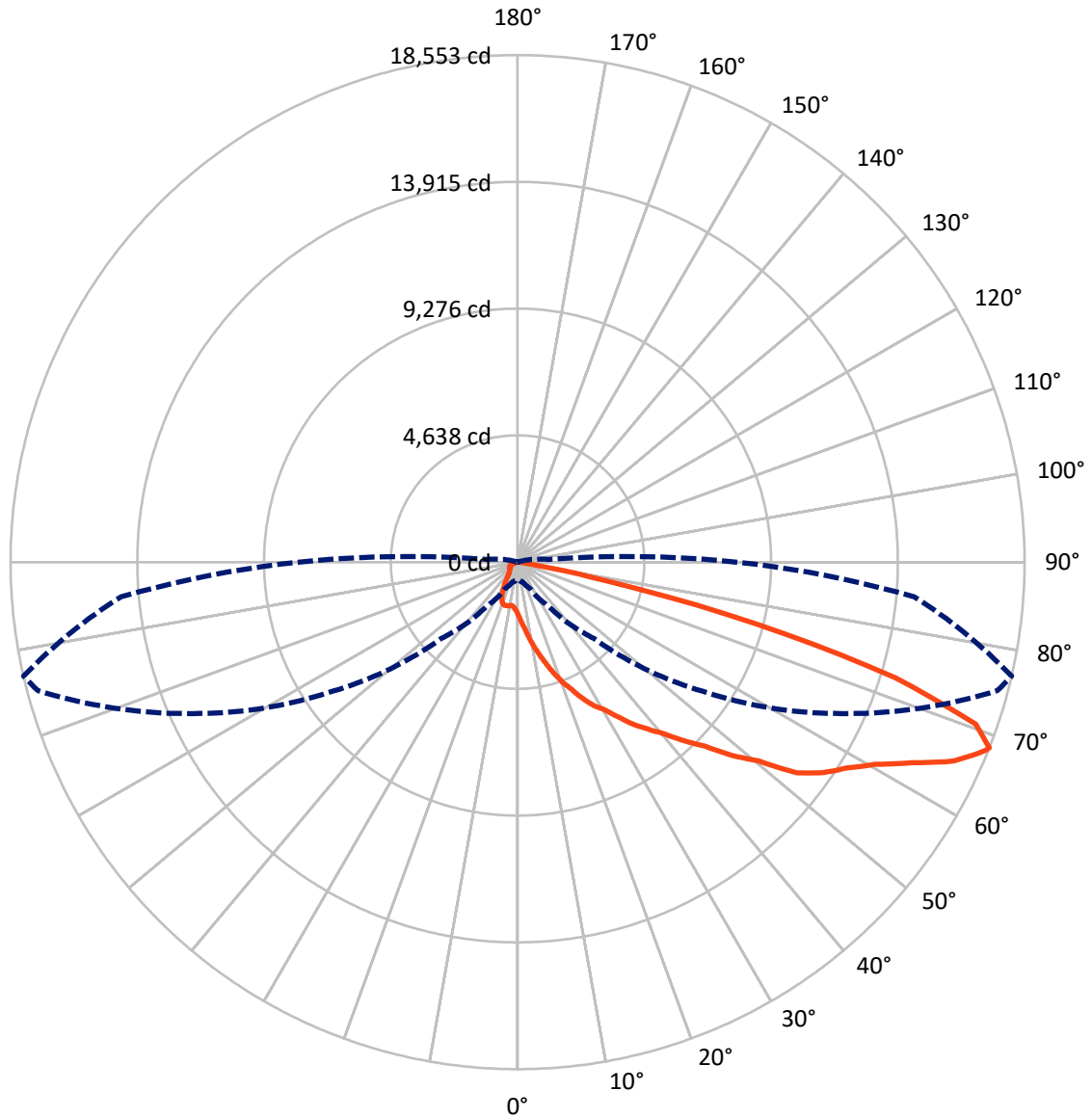
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc  
 Type II - Medium - N/A

REPORT NUMBER: P481930  
CATALOG NUMBER: IFLD-L-SA8A-722-U-T2R-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P481930  
 CATALOG NUMBER: IFLD-L-SA8A-722-U-T2R-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	899.7	0.0	899.7
	% Fixture	4.5	0.0	4.5
<b>Street Side</b>	Lumens	18938.8	0.0	18938.8
	% Fixture	95.5	0.0	95.5
<b>Total</b>	Lumens	19838.5	0.0	19838.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	221.9	1.1
10°-20°	818.5	4.1
20°-30°	1586.2	8.0
30°-40°	2765.3	13.9
40°-50°	4050.0	20.4
50°-60°	4758.1	24.0
60°-70°	4017.8	20.3
70°-80°	1557.4	7.9
80°-90°	63.3	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°	19838.5	100.0
0°-180°	19838.5	100.0

**Coefficient of Utilization**

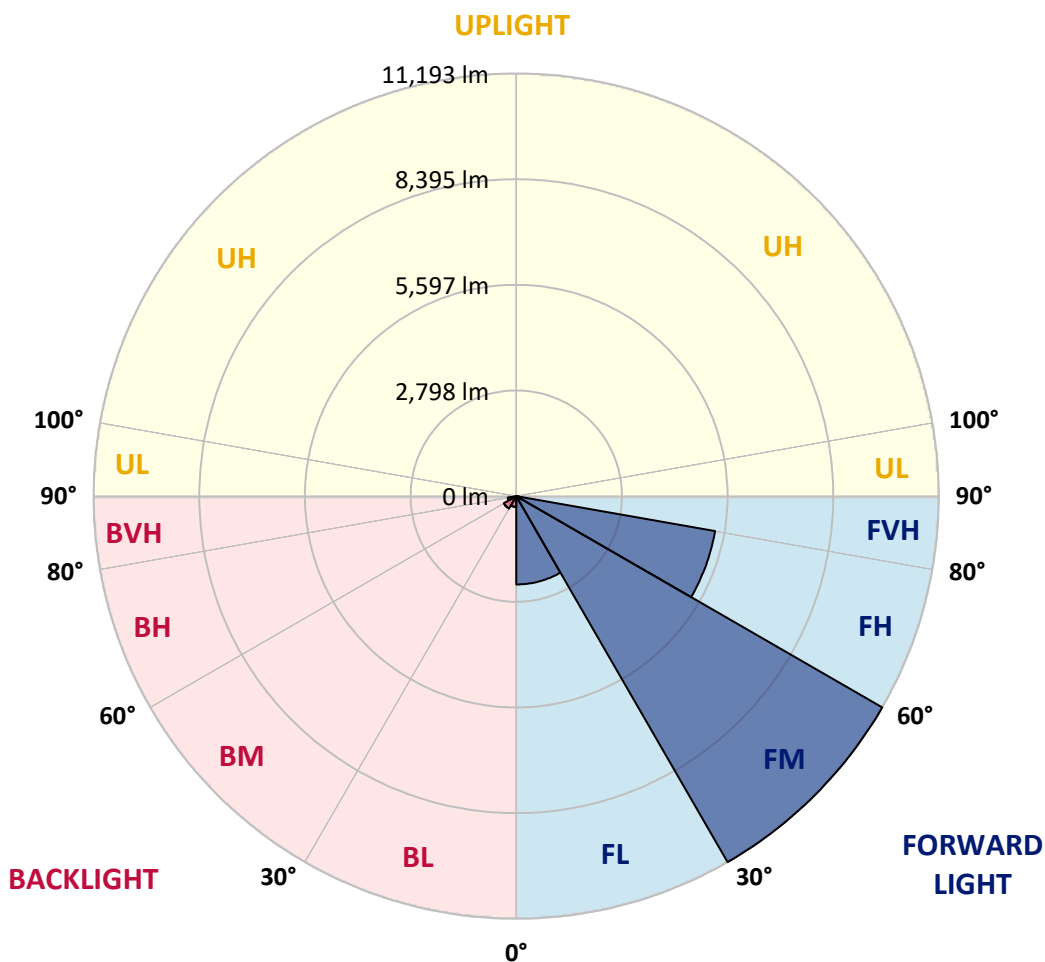


REPORT NUMBER: P481930  
 CATALOG NUMBER: IFLD-L-SA8A-722-U-T2R-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2339.1	11.8			
FM (30°-60°)	11193.2	56.4			
FH (60°-80°)	5348.0	27.0			G3/7500
FVH (80°-90°)	58.4	0.3			G1/100
BL (0°-30°)	287.4	1.4	B1/500		
BM (30°-60°)	380.2	1.9	B1/1000		
BH (60°-80°)	227.2	1.1	B1/500		G1/500
BVH (80°-90°)	4.9	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 II Medium





REPORT NUMBER: P481930

CATALOG NUMBER: IFLD-L-SA8A-722-U-T2R-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1899.6	1899.6	1899.6	1899.6	1899.6	1899.6	1899.6	1899.6	1899.6	1899.6	1899.6
2.5°	2886.2	2831.6	2774.2	2757.8	2651.2	2530.9	2418.9	2309.5	2126.4	2129.2	2003.4
5°	3719.9	3651.5	3605.1	3594.1	3427.4	3219.7	3050.2	2741.4	2438.0	2369.7	2140.1
7.5°	4405.9	4384.0	4315.7	4258.3	4135.3	3881.1	3681.6	3238.8	2776.9	2700.4	2306.8
10°	4821.3	4854.1	4884.2	4810.4	4714.7	4531.6	4258.3	3780.0	3162.3	3066.6	2522.7
12.5°	5264.1	5209.5	5228.6	5288.7	5163.0	5122.0	4783.1	4337.6	3613.3	3430.2	2796.1
15°	5378.9	5400.8	5447.2	5622.2	5706.9	5589.4	5296.9	4788.5	4080.6	3826.5	3050.2
17.5°	5455.4	5444.5	5501.9	5764.3	5892.8	6004.8	5821.7	5291.5	4487.9	4261.0	3367.3
20°	5551.1	5491.0	5616.7	5783.4	6081.3	6316.4	6308.2	5797.1	4914.3	4673.8	3681.6
22.5°	5906.4	5860.0	5961.1	5977.5	6185.2	6513.2	6592.4	6209.8	5351.6	5056.4	4020.5
25°	6562.4	6647.1	6526.9	6423.0	6485.9	6701.8	6759.2	6576.0	5791.6	5521.0	4359.4
27.5°	7521.7	7510.8	7273.0	7139.1	6988.8	6961.4	7002.4	6917.7	6138.7	5944.7	4638.2
30°	8552.1	8461.9	8243.3	7920.8	7590.1	7385.1	7327.7	7240.2	6546.0	6264.5	4914.3
32.5°	9372.1	9421.3	9178.0	8757.1	8207.8	7931.7	7655.7	7560.0	6994.2	6745.5	5231.3
35°	10126.5	10060.9	9866.8	9511.5	9019.5	8574.0	8142.2	7937.2	7532.7	7286.7	5581.2
37.5°	10684.0	10766.0	10397.0	10058.1	9568.9	9199.9	8776.3	8328.0	8087.5	7759.5	6007.5
40°	11211.5	11083.1	10834.4	10522.8	10069.1	9787.5	9508.8	8809.1	8677.9	8254.2	6488.6
42.5°	11118.6	11126.8	10990.1	10738.7	10410.7	10249.5	10153.8	9394.0	9213.6	8943.0	6958.7
45°	10738.7	10771.5	10818.0	10695.0	10722.3	10561.0	10818.0	10066.3	9888.7	9601.7	7499.9
47.5°	10320.5	10375.2	10364.2	10588.4	10842.6	10897.2	11539.5	10812.5	10736.0	10577.4	8248.8
50°	9626.3	9648.2	9858.6	10265.9	10613.0	11184.2	12080.7	11627.0	11744.5	11432.9	9139.8
52.5°	8440.1	8519.3	9060.5	9642.7	10342.4	11329.1	12446.9	12837.8	13135.7	12815.9	9995.3
55°	6939.6	7048.9	7581.9	8672.4	9697.3	11110.4	12780.4	13477.3	14081.4	13597.6	10514.6
57.5°	5583.9	5594.8	6073.1	7199.2	8781.7	10681.3	12949.8	13788.9	14600.7	14212.6	11148.7
60°	4255.6	4211.8	4641.0	5616.7	7240.2	9626.3	12526.2	13947.5	15248.5	15024.3	11911.2
62.5°	2738.7	2670.3	3137.7	4088.8	5655.0	7868.8	11678.9	13950.2	16259.7	16175.0	13187.6
65°	1355.7	1309.2	1711.0	2506.3	3913.9	6018.5	10470.8	13898.3	17495.1	17549.8	14431.2
67.5°	716.1	732.5	861.0	1270.9	2257.6	4252.8	8650.5	13288.8	18126.5	18432.6	14731.9
68°	658.7	664.2	765.3	1057.7	1959.7	3944.0	8218.7	13111.1	18175.7	18552.9	14565.2
70°	535.7	543.9	579.4	664.2	1060.5	2566.5	6341.0	11602.4	17435.0	17779.4	13184.9
72.5°	426.4	451.0	472.8	508.4	623.2	1347.5	3944.0	9041.4	14403.9	14442.2	10263.1
75°	325.2	344.4	388.1	418.2	486.5	740.7	1877.7	5512.8	9451.4	8986.7	6045.8
77.5°	251.5	267.9	287.0	328.0	407.2	500.2	574.0	2339.6	4015.1	3304.4	1708.2
80°	150.3	161.3	224.1	256.9	355.3	338.9	226.9	650.5	814.5	642.3	311.6
82.5°	87.5	95.7	128.5	196.8	248.7	183.1	133.9	202.3	199.5	174.9	103.9
85°	2.7	5.5	71.1	117.5	87.5	49.2	82.0	84.7	71.1	65.6	46.5
87.5°	0.0	2.7	19.1	16.4	19.1	10.9	16.4	21.9	27.3	24.6	19.1
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: P481930

CATALOG NUMBER: IFLD-L-SA8A-722-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1899.6	1899.6	1899.6	1899.6	1899.6	1899.6	1899.6	1899.6	1899.6	1899.6	1899.6
2.5°	1918.7	1858.6	1724.6	1623.5	1514.2	1448.6	1383.0	1342.0	1320.1	1306.5	1317.4
5°	1967.9	1842.2	1626.2	1434.9	1309.2	1224.5	1139.7	1096.0	1055.0	1033.1	1046.8
7.5°	2077.2	1888.6	1530.6	1322.9	1175.3	1044.1	937.5	852.8	803.6	759.8	768.0
10°	2211.1	1916.0	1533.3	1257.3	1044.1	836.4	686.0	579.4	519.3	481.0	478.3
12.5°	2347.8	2022.6	1544.3	1191.7	882.8	628.6	451.0	371.7	336.2	317.0	317.0
15°	2555.5	2118.2	1516.9	1071.4	669.6	410.0	308.9	281.5	267.9	251.5	254.2
17.5°	2735.9	2271.3	1503.3	891.0	459.2	295.2	256.9	226.9	213.2	196.8	196.8
20°	2979.2	2366.9	1429.5	688.8	317.0	246.0	207.7	180.4	158.5	144.9	147.6
22.5°	3200.6	2440.7	1298.3	470.1	243.3	194.1	153.1	125.7	106.6	90.2	92.9
25°	3441.1	2514.5	1106.9	289.7	172.2	120.3	82.0	60.1	41.0	30.1	30.1
27.5°	3613.3	2536.4	858.2	172.2	103.9	54.7	19.1	2.7	0.0	0.0	0.0
30°	3788.2	2544.6	593.1	92.9	41.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	3987.7	2541.9	371.7	49.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0
35°	4140.8	2495.4	177.7	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	4373.1	2427.1	54.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	4638.2	2304.1	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	4876.0	2178.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	5146.6	2022.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	5622.2	1957.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	6242.6	1905.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	6625.2	1752.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	6824.8	1593.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	7120.0	1516.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	7557.3	1522.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	8240.6	1598.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	8617.7	1522.4	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	8298.0	1219.0	51.9	13.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
68°	8021.9	1120.6	51.9	13.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
70°	6630.7	729.8	49.2	13.7	5.5	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	4829.5	404.5	41.0	10.9	5.5	0.0	0.0	0.0	0.0	0.0	0.0
75°	2809.7	202.3	30.1	10.9	5.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	732.5	101.1	24.6	13.7	8.2	2.7	0.0	0.0	0.0	0.0	0.0
80°	144.9	65.6	21.9	16.4	10.9	5.5	0.0	0.0	0.0	0.0	0.0
82.5°	68.3	46.5	21.9	16.4	13.7	8.2	2.7	0.0	0.0	0.0	0.0
85°	35.5	21.9	21.9	16.4	16.4	10.9	5.5	0.0	0.0	0.0	0.0
87.5°	16.4	8.2	8.2	8.2	8.2	5.5	2.7	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)