

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: P484268

Luminaire Tested: **IFLD-L-SA7D-722-U-SL3-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P484268  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7D-722-U-SL3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield  
Light Source: (112) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

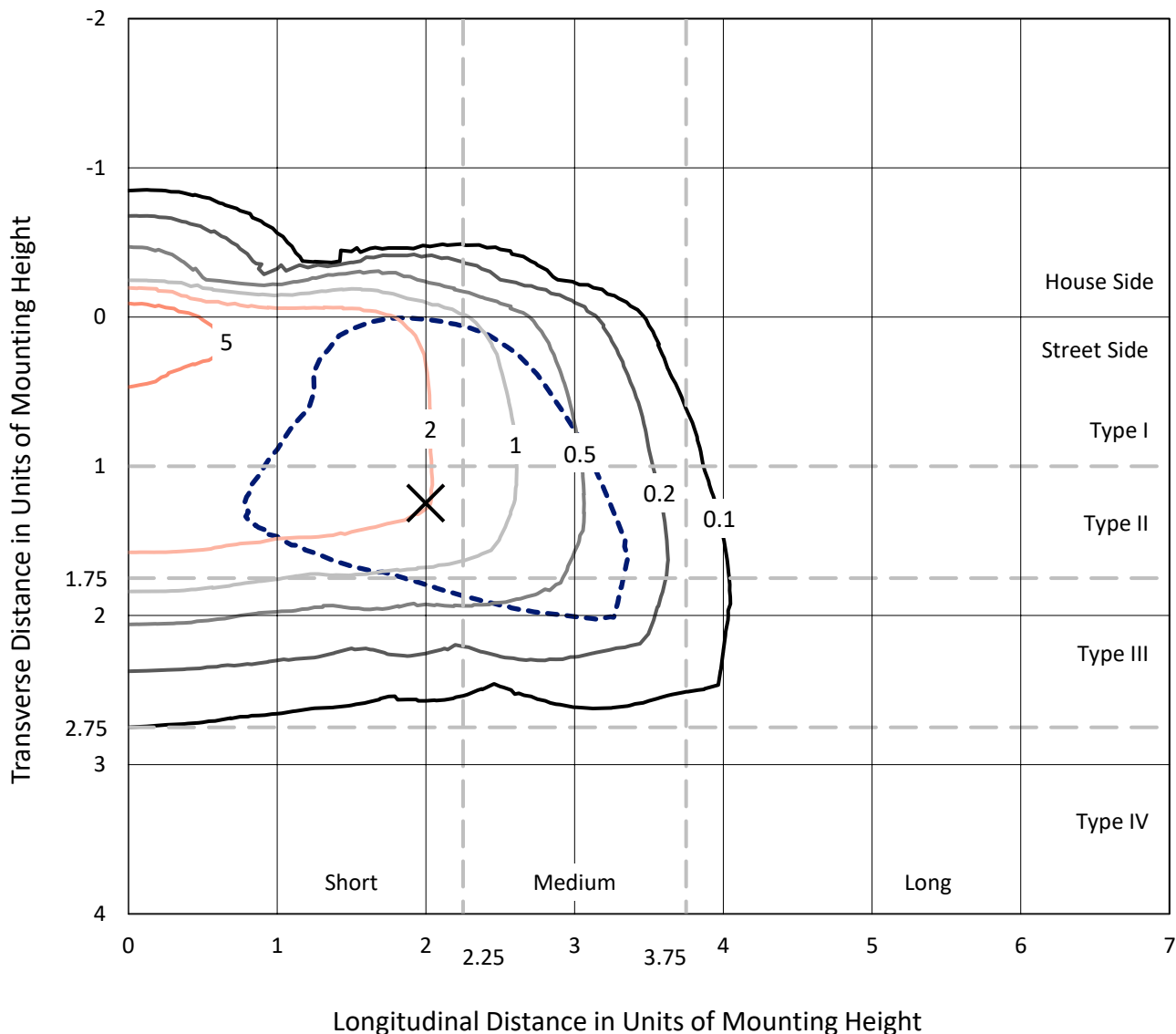
Lumens per Lamp: N/A  
Luminaire Lumens: 30048.6 lumens  
Efficiency: N/A  
Efficacy: 71.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4

Input Watts (W): 422.6  
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: P484268  
 CATALOG NUMBER: IFLD-L-SA7D-722-U-SL3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

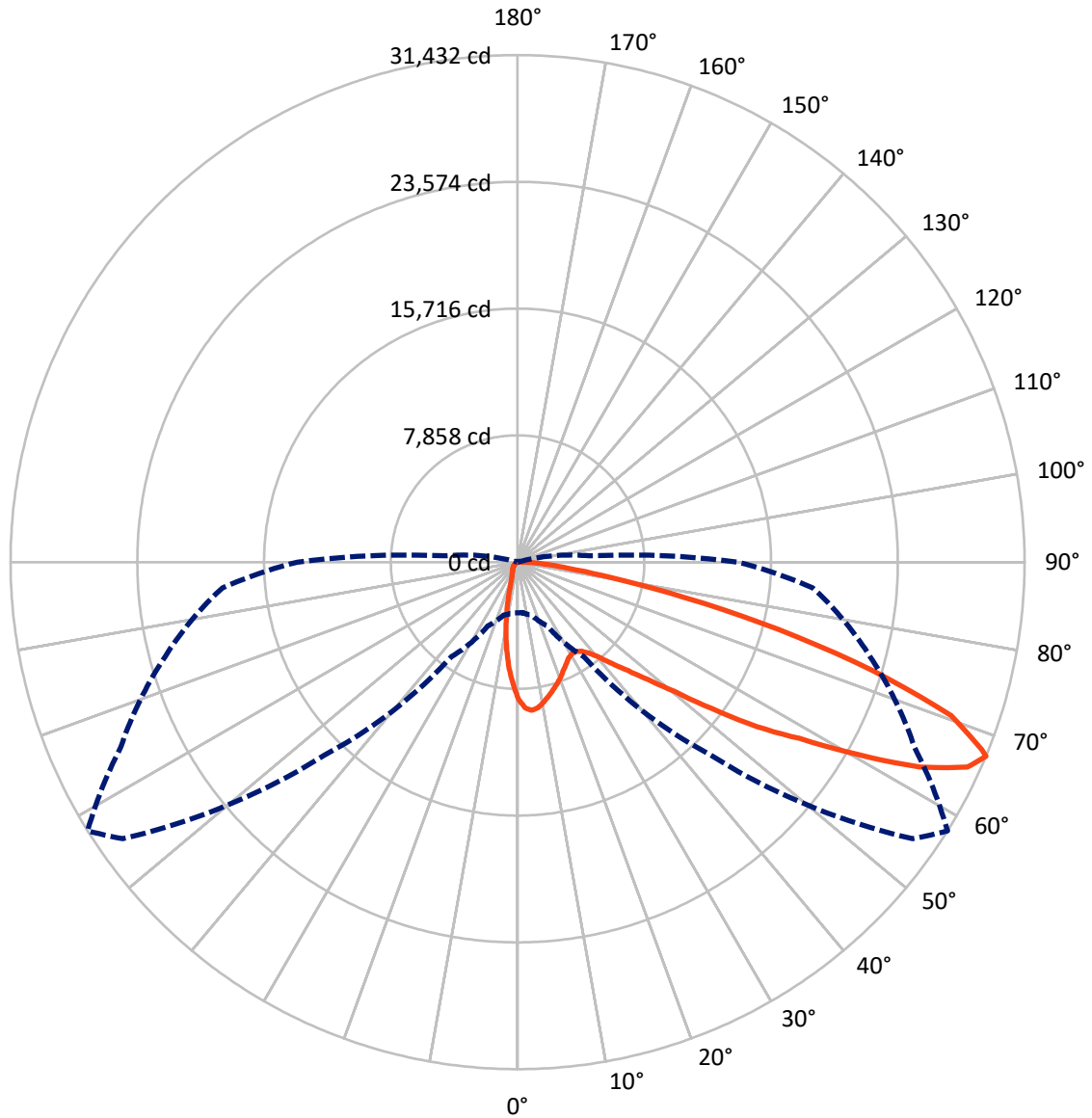
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.5 fc  
 Type III - Short - N/A

REPORT NUMBER: P484268  
CATALOG NUMBER: IFLD-L-SA7D-722-U-SL3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P484268  
 CATALOG NUMBER: IFLD-L-SA7D-722-U-SL3-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2483.7	0.0	2483.7
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	27564.9	0.0	27564.9
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	30048.6	0.0	30048.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	675.5	2.2
10°-20°	1401.1	4.7
20°-30°	1858.9	6.2
30°-40°	2575.9	8.6
40°-50°	4203.1	14.0
50°-60°	7387.7	24.6
60°-70°	8182.4	27.2
70°-80°	3390.8	11.3
80°-90°	373.3	1.2
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°	30048.6	100.0
0°-180°	30048.6	100.0

**Coefficient of Utilization**



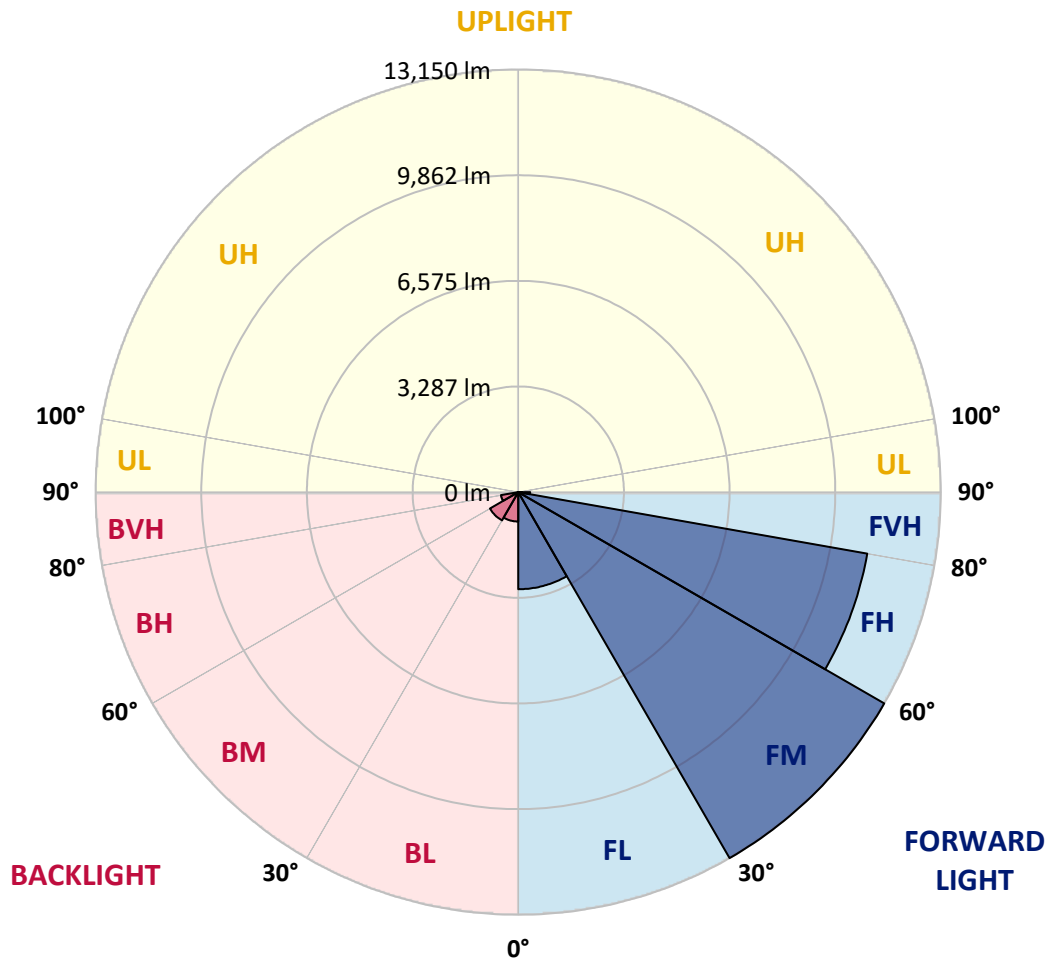
REPORT NUMBER: P484268  
 CATALOG NUMBER: IFLD-L-SA7D-722-U-SL3-HSS

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3020.7	10.1			
FM	(30°-60°)	13149.9	43.8			
FH	(60°-80°)	11027.2	36.7			G4/12000
FVH	(80°-90°)	367.1	1.2			G3/500
BL	(0°-30°)	914.8	3.0	B2/1000		
BM	(30°-60°)	1016.7	3.4	B2/2500		
BH	(60°-80°)	546.1	1.8	B2/1000		G2/1000
BVH	(80°-90°)	6.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**

Type III Short





REPORT NUMBER: P484268

CATALOG NUMBER: IFLD-L-SA7D-722-U-SL3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	8513.2	8513.2	8513.2	8513.2	8513.2	8513.2	8513.2	8513.2	8513.2	8513.2	8513.2
2.5°	9263.2	9295.1	9323.0	9271.2	9315.0	9251.2	9087.7	9051.7	9023.8	8780.5	8640.8
5°	9259.2	9223.3	9251.2	9275.1	9215.3	9263.2	9223.3	9227.3	9119.6	8900.2	8509.2
7.5°	8640.8	8624.9	8640.8	8756.5	8888.2	8991.9	9051.7	9111.6	9039.8	8712.7	8333.7
10°	7807.1	7886.9	7930.8	8138.2	8341.7	8533.1	8720.6	8832.3	8812.4	8680.7	8142.2
12.5°	7224.6	7200.7	7360.3	7495.9	7699.4	8086.3	8413.5	8517.2	8636.9	8453.4	7890.9
15°	6686.1	6622.3	6718.0	6953.4	7300.4	7607.6	8066.4	8222.0	8373.6	8421.4	7755.2
17.5°	6171.5	6203.4	6303.1	6514.5	6841.7	7272.5	7703.4	7926.8	8289.8	8226.0	7551.8
20°	5924.1	5991.9	6027.8	6135.6	6363.0	6793.8	7436.1	7615.6	8002.6	8222.0	7352.3
22.5°	5936.1	5936.1	5852.3	5916.1	6123.6	6458.7	7073.0	7272.5	7886.9	8014.5	7172.8
25°	6063.8	5984.0	5988.0	5912.2	5999.9	6183.4	6745.9	6989.3	7651.5	8034.5	7077.0
27.5°	6159.5	6143.5	6119.6	6099.7	5988.0	6015.9	6530.5	6730.0	7559.7	8010.5	6929.4
30°	6506.6	6434.8	6410.8	6366.9	6219.3	6083.7	6359.0	6610.3	7487.9	8066.4	6845.7
32.5°	6797.8	6809.8	6829.7	6702.0	6574.4	6239.3	6406.8	6606.3	7436.1	8194.0	6929.4
35°	7164.8	7216.7	7224.6	7184.7	7049.1	6718.0	6606.3	6777.8	7523.8	8421.4	6937.4
37.5°	7723.3	7667.5	7819.1	7835.0	7739.3	7300.4	7069.1	7136.9	7783.1	8784.5	7240.6
40°	8086.3	8154.2	8437.4	8612.9	8449.4	8050.4	7739.3	7727.3	8158.1	9354.9	7615.6
42.5°	8489.3	8640.8	8952.0	9331.0	9311.1	8940.0	8624.9	8573.0	8824.4	10180.7	8210.0
45°	9039.8	9175.4	9610.3	10180.7	10491.9	10176.7	9702.0	9598.3	9634.2	11305.7	9223.3
47.5°	9953.3	9917.4	10543.7	11106.2	11616.9	11373.5	11170.1	10866.9	10839.0	12630.2	10623.5
50°	10986.6	10978.6	11537.1	12175.4	12765.8	13240.5	12901.4	12570.3	12578.3	14429.3	12271.1
52.5°	11967.9	12123.5	12725.9	13360.2	14373.5	14884.1	15211.2	15079.6	14445.3	16037.0	14034.4
55°	12486.5	12622.2	13220.6	14313.6	15913.4	17225.8	18111.5	17999.8	16775.1	17848.2	15773.7
57.5°	11995.9	12087.6	12897.4	14329.6	16990.5	19918.6	20768.4	20628.7	19184.6	19232.5	17876.1
60°	9941.4	10085.0	11289.8	12969.3	16571.6	21993.1	24426.6	24215.1	21378.7	20983.8	19228.5
62.5°	6885.6	6981.3	7970.6	10061.0	14584.9	22715.1	27881.3	27997.0	23692.5	22348.1	19631.4
65°	4460.1	4452.1	5018.6	6434.8	10336.3	20529.0	29923.8	30641.9	25926.5	22555.6	19507.7
67°	3151.6	3139.6	3406.9	4364.3	7156.8	16914.7	29887.9	31431.8	27139.3	22615.4	18362.8
67.5°	2908.2	2896.2	3151.6	4013.2	6458.7	15729.9	29441.1	31024.9	27566.1	22531.6	17860.1
70°	2258.0	2226.0	2321.8	2764.6	3761.9	10172.7	25196.5	28499.6	26680.5	20441.2	14261.8
72.5°	1631.6	1667.5	1819.1	2269.9	2952.1	5473.3	19204.5	23046.3	22284.3	15406.7	9063.7
75°	1137.0	1168.9	1412.2	1851.0	2708.7	3319.1	12985.2	16715.2	15522.4	8505.2	3861.7
77.5°	594.4	634.3	901.6	1480.0	2461.4	2569.1	7759.2	10599.6	8226.0	3027.9	1065.1
80°	275.3	295.2	450.8	1049.2	2058.5	2258.0	4523.9	5896.2	3291.2	678.2	367.0
82.5°	119.7	131.6	207.4	602.4	1460.1	1974.7	2800.5	3091.7	1192.8	219.4	227.4
85°	23.9	27.9	79.8	319.1	706.1	1196.8	1966.7	1835.1	598.4	107.7	179.5
87.5°	0.0	0.0	19.9	91.8	191.5	355.0	833.8	833.8	183.5	55.9	67.8
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: P484268

CATALOG NUMBER: IFLD-L-SA7D-722-U-SL3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8513.2	8513.2	8513.2	8513.2	8513.2	8513.2	8513.2	8513.2	8513.2	8513.2	8513.2
2.5°	8517.2	8373.6	8058.4	7767.2	7559.7	7324.4	7013.2	6873.6	6821.7	6749.9	6642.2
5°	8293.8	8118.2	7579.7	7037.1	6442.7	5991.9	5513.2	5234.0	5022.5	4890.9	4847.0
7.5°	7978.6	7619.6	6893.5	6023.9	5253.9	4583.7	3857.7	3367.0	3051.8	2924.2	2804.5
10°	7727.3	7260.5	6155.5	5074.4	4049.2	3067.8	2250.0	1819.1	1492.0	1368.3	1352.4
12.5°	7400.2	6841.7	5465.4	4105.0	2816.5	1827.1	1244.7	1081.1	989.3	973.4	961.4
15°	7128.9	6462.7	4811.1	3179.5	1823.1	1140.9	969.4	929.5	905.6	897.6	901.6
17.5°	6945.4	6055.8	4140.9	2313.8	1200.8	933.5	893.6	869.7	857.7	853.7	841.7
20°	6582.4	5712.7	3478.7	1619.7	937.5	861.7	829.8	809.8	797.9	793.9	789.9
22.5°	6374.9	5277.9	2816.5	1129.0	833.8	781.9	758.0	742.0	722.1	710.1	706.1
25°	6167.5	4958.7	2226.0	877.6	758.0	722.1	686.2	666.2	634.3	618.3	614.4
27.5°	5924.1	4643.6	1715.4	762.0	682.2	646.3	610.4	578.5	538.6	522.6	514.6
30°	5784.5	4336.4	1292.5	682.2	626.3	578.5	534.6	494.7	450.8	422.9	414.9
32.5°	5712.7	4057.1	969.4	622.3	566.5	514.6	458.8	410.9	371.0	347.1	343.1
35°	5624.9	3785.9	762.0	566.5	510.6	454.8	398.9	351.1	311.2	291.2	283.2
37.5°	5716.7	3626.3	634.3	522.6	466.7	402.9	343.1	295.2	263.3	243.3	239.4
40°	5968.0	3494.6	550.5	482.7	422.9	355.0	299.2	251.3	223.4	207.4	199.5
42.5°	6355.0	3494.6	498.7	442.8	383.0	311.2	255.3	219.4	191.5	175.5	171.5
45°	7057.1	3602.3	454.8	402.9	335.1	267.3	219.4	183.5	155.6	139.6	135.6
47.5°	8042.5	3849.7	418.9	367.0	299.2	235.4	191.5	155.6	127.7	111.7	107.7
50°	9366.9	4412.2	383.0	323.1	267.3	203.5	159.6	123.7	99.7	83.8	79.8
52.5°	11018.5	5210.0	347.1	299.2	227.4	171.5	127.7	99.7	75.8	63.8	59.8
55°	12765.8	6187.4	303.2	267.3	195.5	143.6	103.7	75.8	55.9	47.9	43.9
57.5°	14525.1	6941.4	267.3	231.4	159.6	115.7	83.8	59.8	39.9	31.9	27.9
60°	15458.6	7013.2	231.4	191.5	127.7	91.8	63.8	43.9	27.9	19.9	16.0
62.5°	15602.2	6374.9	199.5	155.6	103.7	71.8	43.9	31.9	16.0	8.0	8.0
65°	14864.2	5313.8	171.5	123.7	79.8	51.9	31.9	19.9	8.0	4.0	0.0
67°	13667.4	4452.1	147.6	103.7	63.8	39.9	23.9	12.0	4.0	0.0	0.0
67.5°	13204.6	4212.7	139.6	95.7	59.8	35.9	19.9	12.0	4.0	0.0	0.0
70°	10248.5	3007.9	103.7	67.8	43.9	27.9	16.0	8.0	0.0	0.0	0.0
72.5°	6279.2	1759.3	79.8	47.9	31.9	19.9	12.0	4.0	0.0	0.0	0.0
75°	2632.9	606.4	67.8	35.9	23.9	12.0	8.0	4.0	0.0	0.0	0.0
77.5°	686.2	227.4	47.9	23.9	16.0	12.0	8.0	4.0	0.0	0.0	0.0
80°	279.3	103.7	31.9	16.0	16.0	12.0	8.0	4.0	0.0	0.0	0.0
82.5°	183.5	47.9	19.9	16.0	12.0	8.0	4.0	0.0	0.0	0.0	0.0
85°	139.6	27.9	12.0	12.0	8.0	4.0	0.0	0.0	0.0	0.0	0.0
87.5°	59.8	16.0	12.0	8.0	8.0	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)