

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: P484349

Luminaire Tested: **IFLD-L-SA8B-730-U-SL3-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P484349  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8B-730-U-SL3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield  
Light Source: (128) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

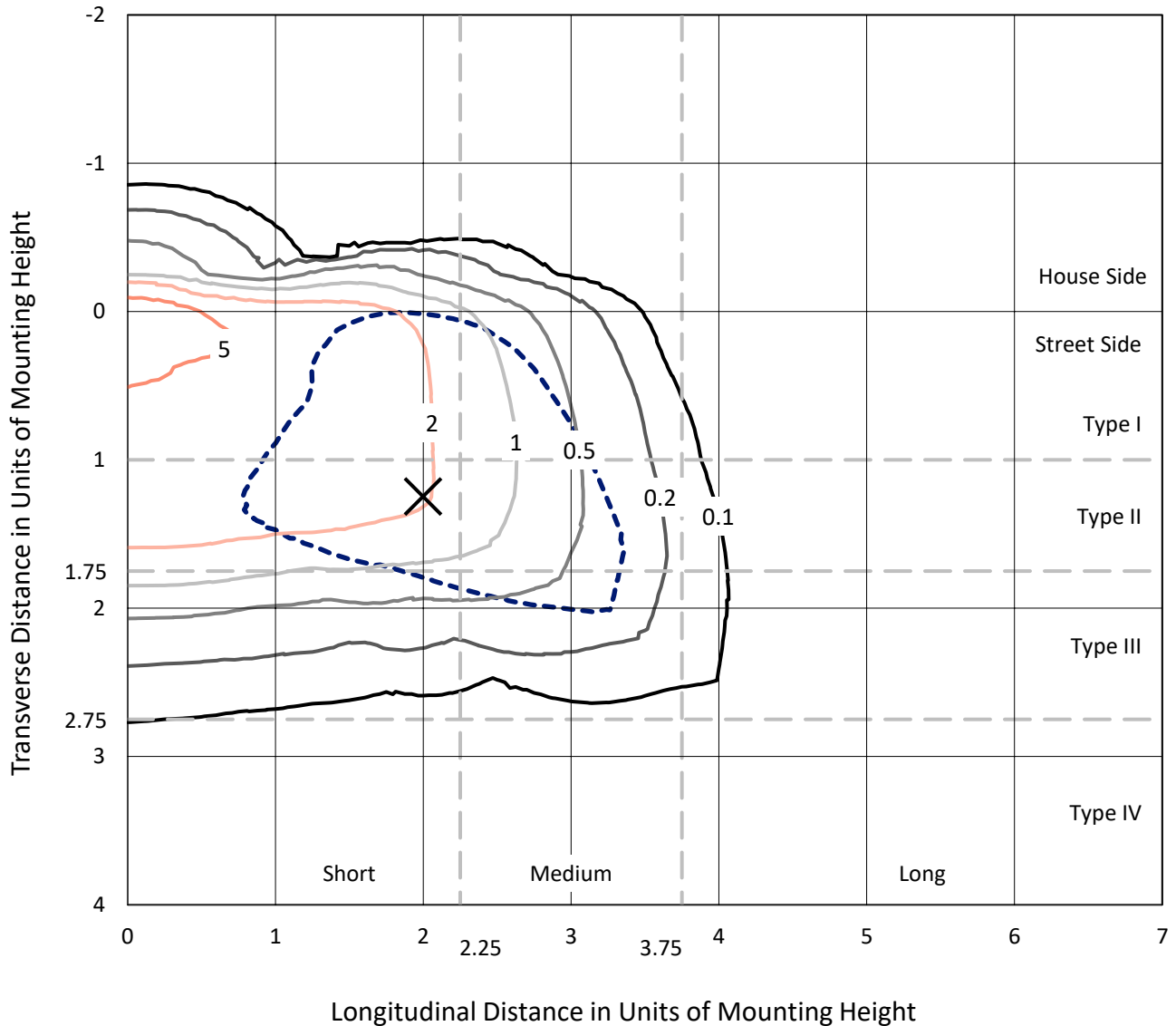
Lumens per Lamp: N/A  
Luminaire Lumens: 30993.3 lumens  
Efficiency: N/A  
Efficacy: 96.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4

Input Watts (W): 320  
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

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### Iso-Footcandle Lines of Horizontal Illumination

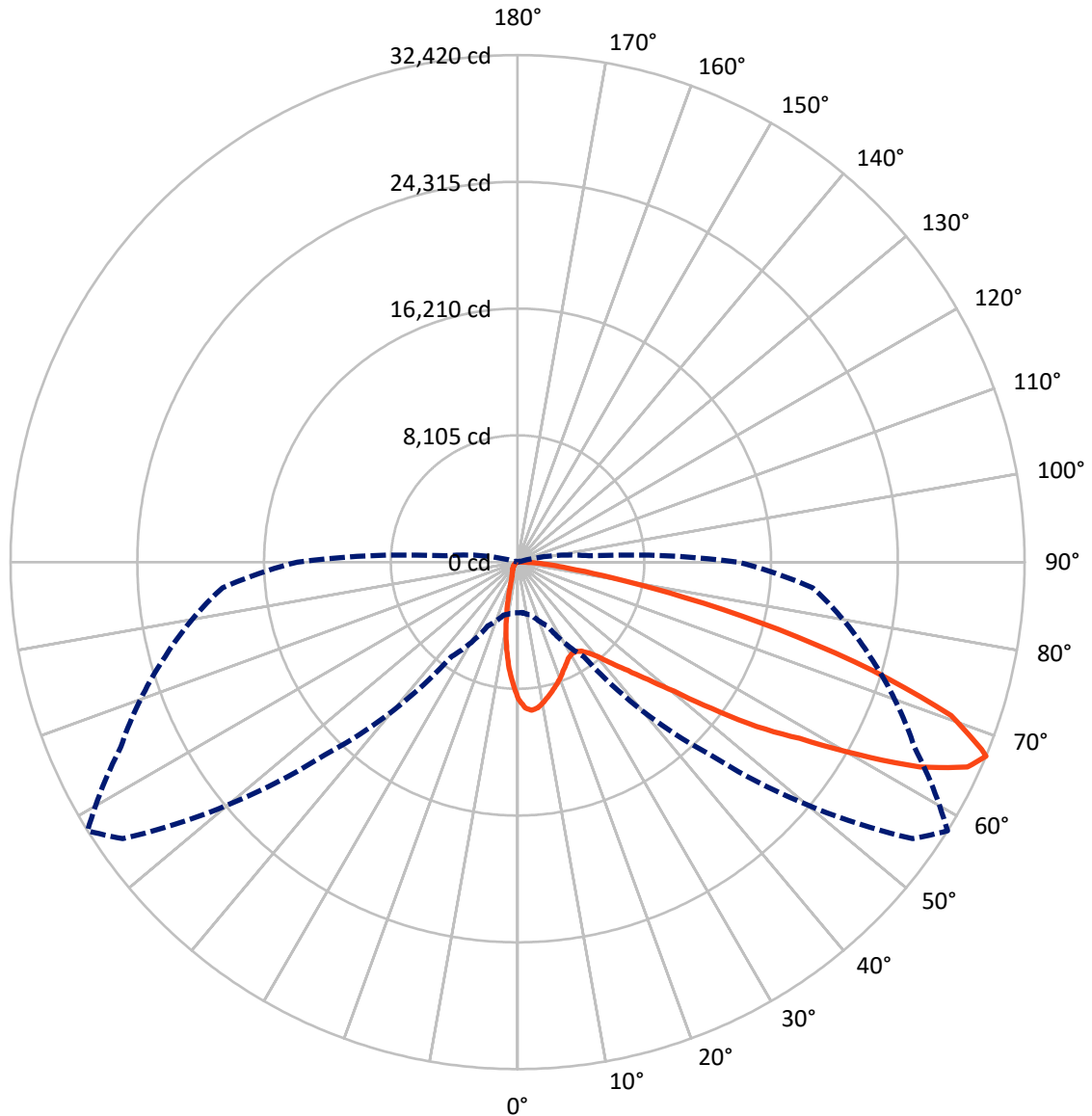
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2561.8	0.0	2561.8
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	28431.5	0.0	28431.5
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	30993.3	0.0	30993.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	696.7	2.2
10°-20°	1445.1	4.7
20°-30°	1917.4	6.2
30°-40°	2656.9	8.6
40°-50°	4335.2	14.0
50°-60°	7619.9	24.6
60°-70°	8439.7	27.2
70°-80°	3497.4	11.3
80°-90°	385.0	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°	30993.3	100.0
0°-180°	30993.3	100.0

**Coefficient of Utilization**



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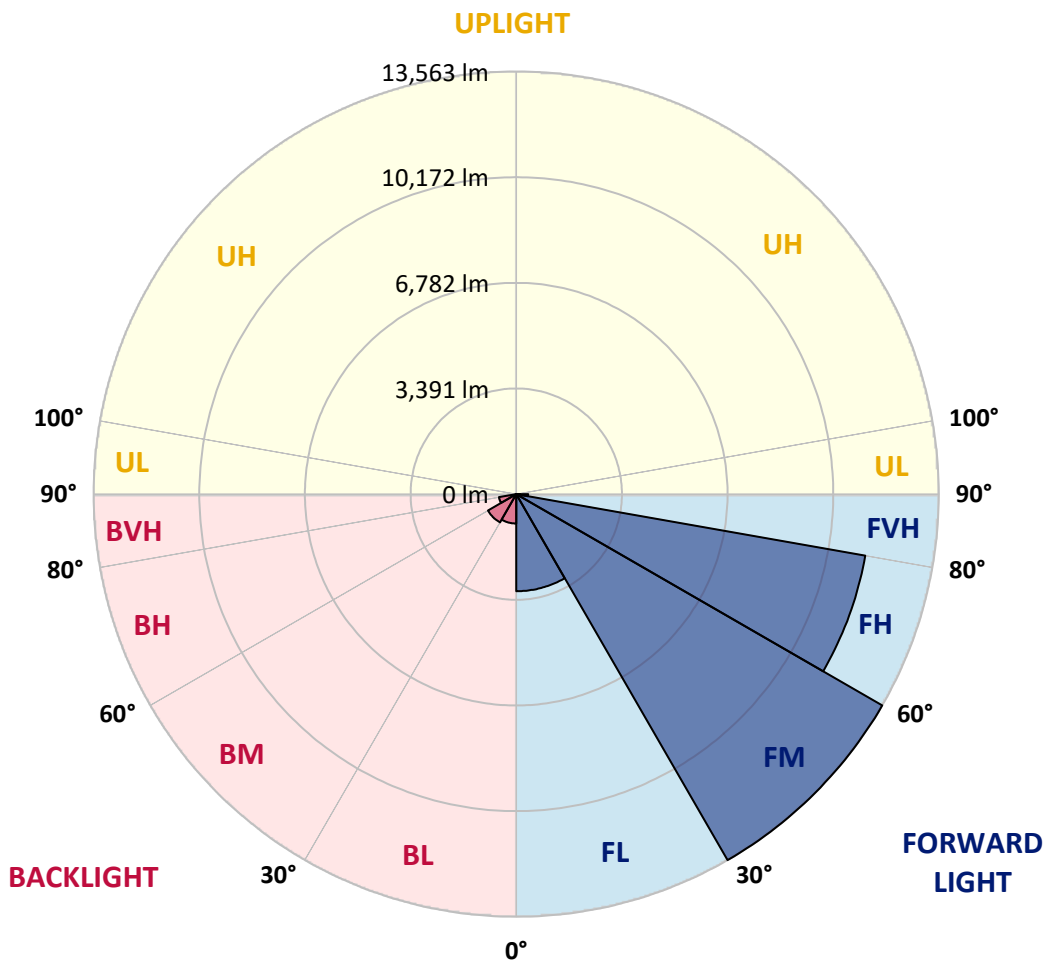
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3115.7	10.1			
FM (30°-60°)	13563.3	43.8			
FH (60°-80°)	11373.8	36.7			G4/12000
FVH (80°-90°)	378.7	1.2			G3/500
BL (0°-30°)	943.5	3.0	B2/1000		
BM (30°-60°)	1048.7	3.4	B2/2500		
BH (60°-80°)	563.2	1.8	B2/1000		G2/1000
BVH (80°-90°)	6.3	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	8780.8	8780.8	8780.8	8780.8	8780.8	8780.8	8780.8	8780.8	8780.8	8780.8	8780.8
2.5°	9554.4	9587.3	9616.1	9562.6	9607.9	9542.0	9373.3	9336.3	9307.5	9056.5	8912.5
5°	9550.3	9513.2	9542.0	9566.7	9505.0	9554.4	9513.2	9517.4	9406.3	9179.9	8776.7
7.5°	8912.5	8896.0	8912.5	9031.8	9167.6	9274.6	9336.3	9398.0	9324.0	8986.6	8595.7
10°	8052.5	8134.8	8180.1	8394.0	8603.9	8801.4	8994.8	9110.0	9089.4	8953.6	8398.2
12.5°	7451.8	7427.1	7591.7	7731.6	7941.4	8340.5	8678.0	8784.9	8908.4	8719.1	8138.9
15°	6896.3	6830.4	6929.2	7172.0	7529.9	7846.8	8320.0	8480.4	8636.8	8686.2	7999.0
17.5°	6365.5	6398.4	6501.3	6719.3	7056.8	7501.1	7945.5	8176.0	8550.4	8484.6	7789.2
20°	6110.4	6180.3	6217.3	6328.4	6563.0	7007.4	7669.8	7855.0	8254.1	8480.4	7583.4
22.5°	6122.7	6122.7	6036.3	6102.1	6316.1	6661.7	7295.4	7501.1	8134.8	8266.5	7398.3
25°	6254.4	6172.1	6176.2	6098.0	6188.5	6377.8	6958.0	7209.0	7892.0	8287.1	7299.5
27.5°	6353.1	6336.7	6312.0	6291.4	6176.2	6205.0	6735.8	6941.5	7797.4	8262.4	7147.3
30°	6711.1	6637.0	6612.4	6567.1	6414.9	6275.0	6558.9	6818.1	7723.3	8320.0	7060.9
32.5°	7011.5	7023.8	7044.4	6912.7	6781.1	6435.4	6608.2	6814.0	7669.8	8451.6	7147.3
35°	7390.0	7443.5	7451.8	7410.6	7270.7	6929.2	6814.0	6990.9	7760.4	8686.2	7155.5
37.5°	7966.1	7908.5	8064.9	8081.3	7982.6	7529.9	7291.3	7361.2	8027.8	9060.6	7468.2
40°	8340.5	8410.5	8702.6	8883.7	8715.0	8303.5	7982.6	7970.2	8414.6	9649.0	7855.0
42.5°	8756.1	8912.5	9233.4	9624.3	9603.8	9221.1	8896.0	8842.5	9101.8	10500.8	8468.1
45°	9324.0	9463.9	9912.4	10500.8	10821.7	10496.7	10007.0	9900.0	9937.1	11661.1	9513.2
47.5°	10266.2	10229.2	10875.2	11455.4	11982.1	11731.1	11521.2	11208.5	11179.7	13027.2	10957.5
50°	11331.9	11323.7	11899.8	12558.1	13167.1	13656.8	13307.0	12965.5	12973.7	14883.0	12656.9
52.5°	12344.2	12504.6	13126.0	13780.2	14825.4	15352.0	15689.4	15553.7	14899.4	16541.2	14475.6
55°	12879.1	13019.0	13636.2	14763.6	16413.6	17767.4	18680.8	18565.6	17302.4	18409.3	16269.6
57.5°	12373.0	12467.6	13302.9	14780.1	17524.6	20544.8	21421.3	21277.2	19787.7	19837.1	18438.1
60°	10253.9	10402.0	11644.7	13377.0	17092.6	22684.5	25194.5	24976.4	22050.8	21643.4	19833.0
62.5°	7102.0	7200.8	8221.2	10377.3	15043.4	23429.2	28757.8	28877.1	24437.3	23050.7	20248.6
65°	4600.3	4592.0	5176.3	6637.0	10661.2	21174.4	30864.5	31605.2	26741.6	23264.6	20121.0
67°	3250.6	3238.3	3514.0	4501.5	7381.8	17446.4	30827.5	32419.9	27992.5	23326.4	18940.1
67.5°	2999.6	2987.3	3250.6	4139.4	6661.7	16224.4	30366.7	32000.2	28432.7	23240.0	18421.6
70°	2328.9	2296.0	2394.8	2851.5	3880.2	10492.5	25988.6	29395.6	27519.3	21083.8	14710.1
72.5°	1682.9	1720.0	1876.3	2341.3	3044.9	5645.4	19808.3	23770.8	22984.8	15891.1	9348.7
75°	1172.7	1205.6	1456.6	1909.2	2793.9	3423.5	13393.4	17240.7	16010.4	8772.6	3983.1
77.5°	613.1	654.2	929.9	1526.6	2538.8	2649.9	8003.1	10932.8	8484.6	3123.1	1098.6
80°	283.9	304.5	465.0	1082.2	2123.2	2328.9	4666.1	6081.6	3394.6	699.5	378.6
82.5°	123.4	135.8	214.0	621.3	1506.0	2036.8	2888.5	3188.9	1230.3	226.3	234.5
85°	24.7	28.8	82.3	329.2	728.3	1234.4	2028.6	1892.8	617.2	111.1	185.2
87.5°	0.0	0.0	20.6	94.6	197.5	366.2	860.0	860.0	189.3	57.6	70.0
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°	8780.8	8780.8	8780.8	8780.8	8780.8	8780.8	8780.8	8780.8	8780.8	8780.8	8780.8
2.5°	8784.9	8636.8	8311.7	8011.4	7797.4	7554.6	7233.7	7089.7	7036.2	6962.1	6851.0
5°	8554.5	8373.5	7818.0	7258.4	6645.3	6180.3	5686.5	5398.5	5180.4	5044.7	4999.4
7.5°	8229.4	7859.1	7110.2	6213.2	5419.1	4727.8	3978.9	3472.8	3147.8	3016.1	2892.7
10°	7970.2	7488.8	6349.0	5233.9	4176.4	3164.2	2320.7	1876.3	1538.9	1411.4	1394.9
12.5°	7632.8	7056.8	5637.2	4234.1	2905.0	1884.5	1283.8	1115.1	1020.5	1004.0	991.6
15°	7353.0	6665.9	4962.4	3279.4	1880.4	1176.8	999.9	958.7	934.0	925.8	929.9
17.5°	7163.7	6246.2	4271.1	2386.5	1238.5	962.8	921.7	897.0	884.7	880.6	868.2
20°	6789.3	5892.3	3588.0	1670.6	967.0	888.8	855.9	835.3	822.9	818.8	814.7
22.5°	6575.3	5443.8	2905.0	1164.5	860.0	806.5	781.8	765.3	744.8	732.4	728.3
25°	6361.4	5114.6	2296.0	905.2	781.8	744.8	707.7	687.2	654.2	637.8	633.7
27.5°	6110.4	4789.5	1769.3	785.9	703.6	666.6	629.6	596.6	555.5	539.0	530.8
30°	5966.3	4472.7	1333.2	703.6	646.0	596.6	551.4	510.2	465.0	436.2	427.9
32.5°	5892.3	4184.7	999.9	641.9	584.3	530.8	473.2	423.8	382.7	358.0	353.9
35°	5801.8	3904.9	785.9	584.3	526.7	469.1	411.5	362.1	320.9	300.4	292.1
37.5°	5896.4	3740.3	654.2	539.0	481.4	415.6	353.9	304.5	271.6	251.0	246.9
40°	6155.6	3604.5	567.8	497.9	436.2	366.2	308.6	259.2	230.4	214.0	205.7
42.5°	6554.8	3604.5	514.3	456.7	395.0	320.9	263.3	226.3	197.5	181.0	176.9
45°	7278.9	3715.6	469.1	415.6	345.6	275.7	226.3	189.3	160.5	144.0	139.9
47.5°	8295.3	3970.7	432.0	378.6	308.6	242.8	197.5	160.5	131.7	115.2	111.1
50°	9661.4	4550.9	395.0	333.3	275.7	209.9	164.6	127.6	102.9	86.4	82.3
52.5°	11364.9	5373.8	358.0	308.6	234.5	176.9	131.7	102.9	78.2	65.8	61.7
55°	13167.1	6381.9	312.7	275.7	201.6	148.1	107.0	78.2	57.6	49.4	45.3
57.5°	14981.7	7159.6	275.7	238.7	164.6	119.3	86.4	61.7	41.1	32.9	28.8
60°	15944.6	7233.7	238.7	197.5	131.7	94.6	65.8	45.3	28.8	20.6	16.5
62.5°	16092.7	6575.3	205.7	160.5	107.0	74.1	45.3	32.9	16.5	8.2	8.2
65°	15331.5	5480.8	176.9	127.6	82.3	53.5	32.9	20.6	8.2	4.1	0.0
67°	14097.0	4592.0	152.2	107.0	65.8	41.1	24.7	12.3	4.1	0.0	0.0
67.5°	13619.7	4345.1	144.0	98.8	61.7	37.0	20.6	12.3	4.1	0.0	0.0
70°	10570.7	3102.5	107.0	70.0	45.3	28.8	16.5	8.2	0.0	0.0	0.0
72.5°	6476.6	1814.6	82.3	49.4	32.9	20.6	12.3	4.1	0.0	0.0	0.0
75°	2715.7	625.4	70.0	37.0	24.7	12.3	8.2	4.1	0.0	0.0	0.0
77.5°	707.7	234.5	49.4	24.7	16.5	12.3	8.2	4.1	0.0	0.0	0.0
80°	288.0	107.0	32.9	16.5	16.5	12.3	8.2	4.1	0.0	0.0	0.0
82.5°	189.3	49.4	20.6	16.5	12.3	8.2	4.1	0.0	0.0	0.0	0.0
85°	144.0	28.8	12.3	12.3	8.2	4.1	0.0	0.0	0.0	0.0	0.0
87.5°	61.7	16.5	12.3	8.2	8.2	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)