

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: P484110

Luminaire Tested: **IFLD-L-SA7B-760-U-SL2-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P484110  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7B-760-U-SL2-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens with House Side Shield  
Light Source: (112) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

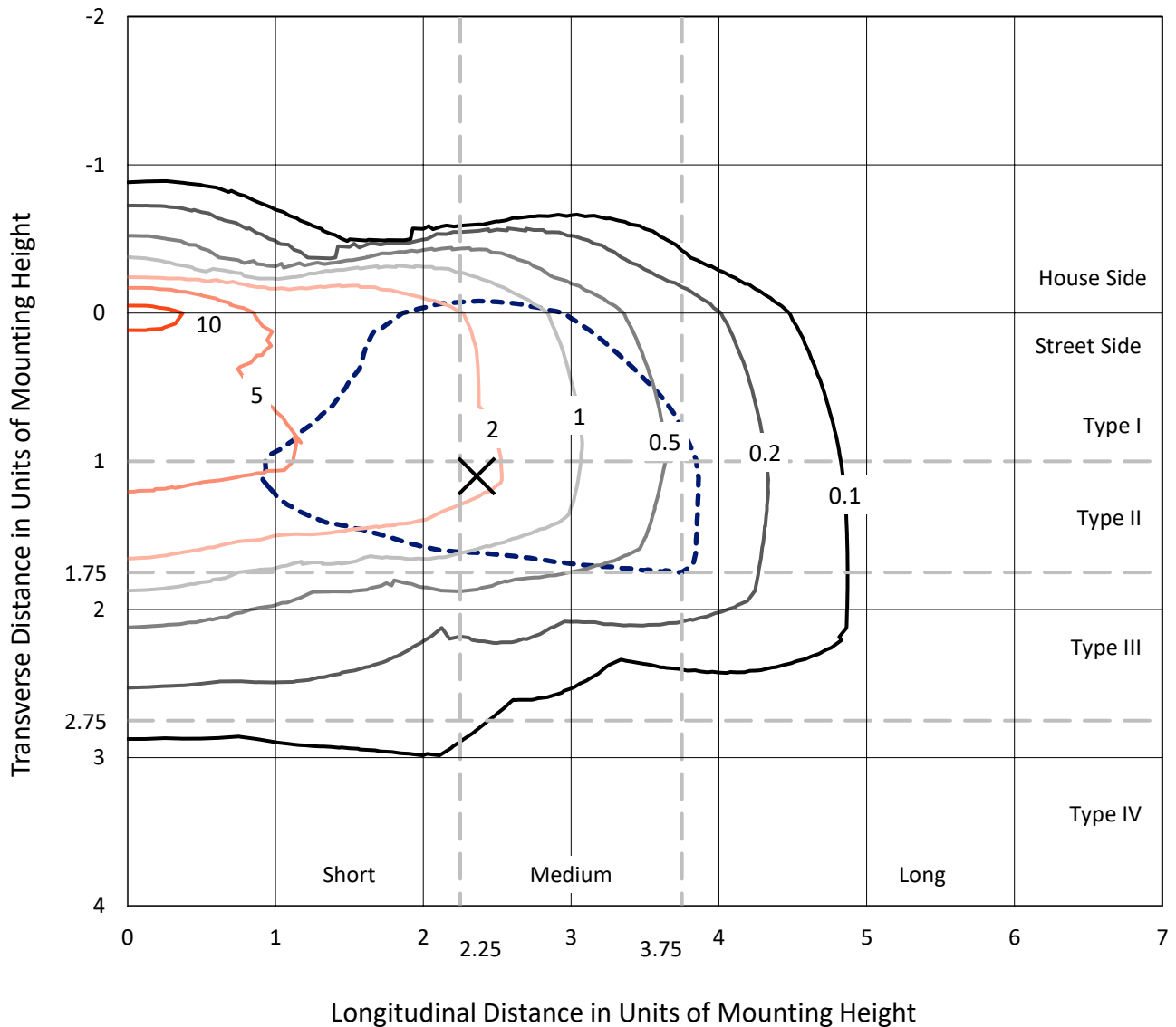
Lumens per Lamp: N/A  
Luminaire Lumens: 29981.8 lumens  
Efficiency: N/A  
Efficacy: 106.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

Input Watts (W): 281  
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

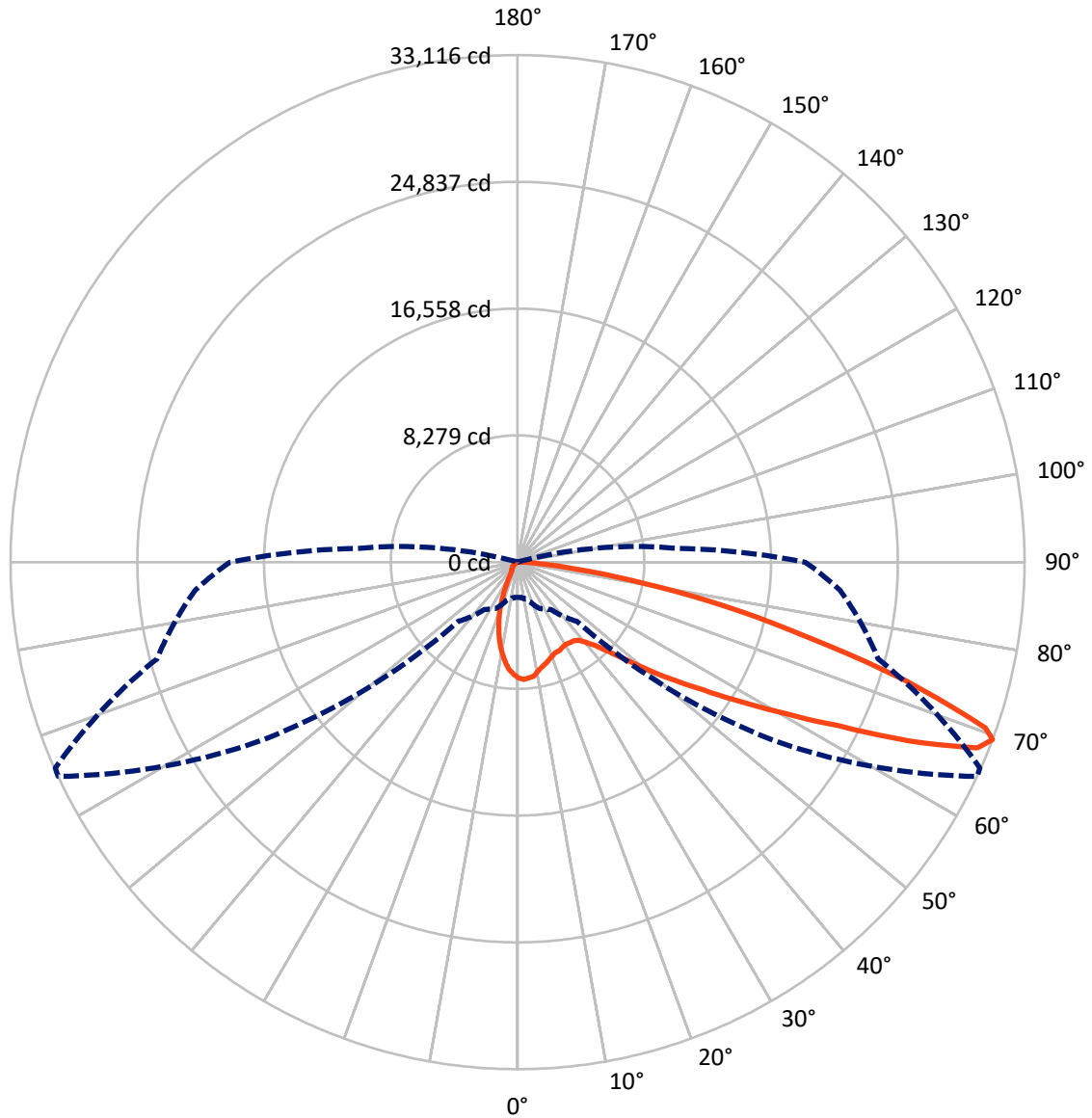
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3637.0	0.0	3637.0
	% Fixture	12.1	0.0	12.1
<b>Street Side</b>	Lumens	26344.8	0.0	26344.8
	% Fixture	87.9	0.0	87.9
<b>Total</b>	Lumens	29981.8	0.0	29981.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	618.6	2.1
10°-20°	1353.4	4.5
20°-30°	1884.3	6.3
30°-40°	2670.2	8.9
40°-50°	4208.2	14.0
50°-60°	6828.5	22.8
60°-70°	7626.0	25.4
70°-80°	4294.3	14.3
80°-90°	498.3	1.7
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°	29981.8	100.0
0°-180°	29981.8	100.0



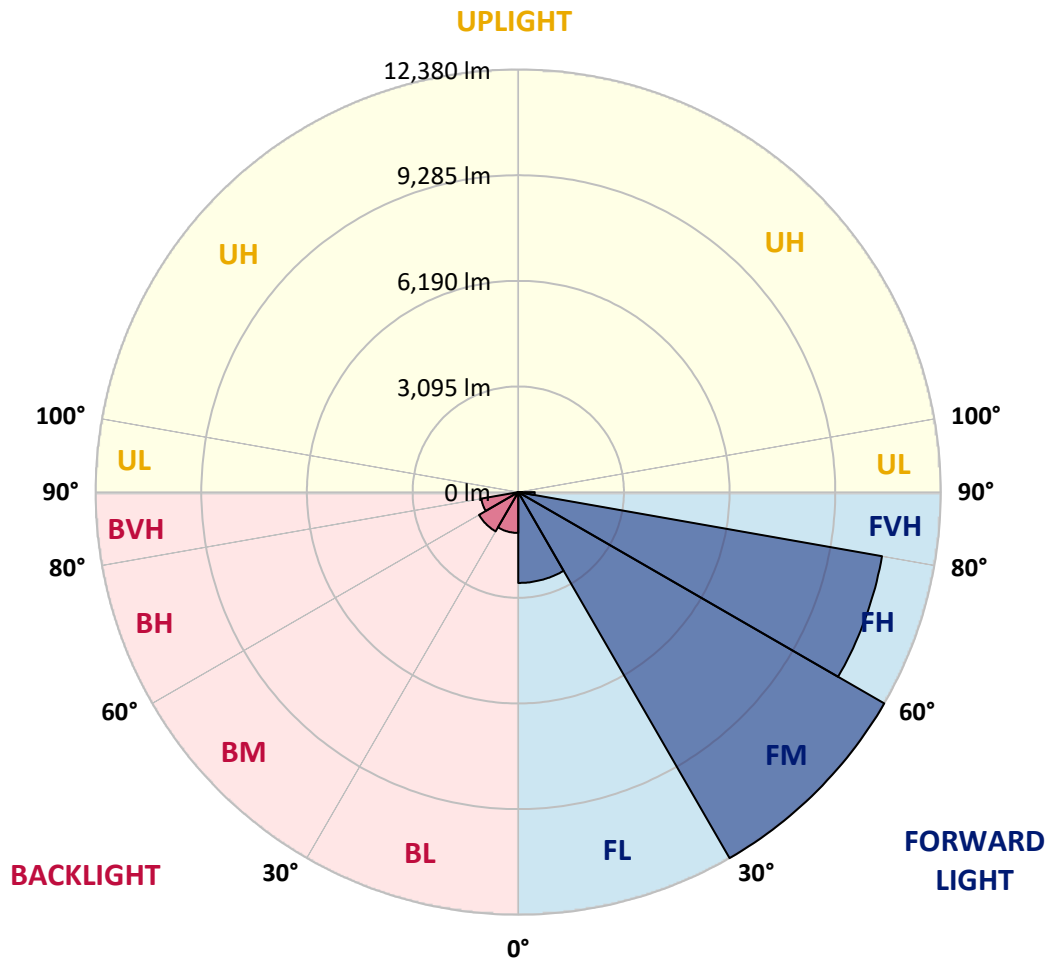
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2660.6	8.9			
FM (30°-60°)	12379.8	41.3			
FH (60°-80°)	10819.9	36.1			G4/12000
FVH (80°-90°)	484.6	1.6			G3/500
BL (0°-30°)	1195.7	4.0	B3/2500		
BM (30°-60°)	1327.1	4.4	B2/2500		
BH (60°-80°)	1100.4	3.7	B3/2500		G3/2500
BVH (80°-90°)	13.7	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	7559.1	7559.1	7559.1	7559.1	7559.1	7559.1	7559.1	7559.1	7559.1	7559.1	7559.1
2.5°	7280.0	7336.7	7352.8	7409.5	7437.8	7559.1	7627.9	7668.3	7648.1	7692.6	7696.6
5°	6762.4	6730.0	6814.9	6875.6	7005.0	7215.3	7429.7	7595.5	7672.4	7745.2	7733.0
7.5°	6208.3	6192.1	6277.0	6414.5	6531.8	6786.6	7130.4	7538.9	7522.7	7700.7	7753.2
10°	5828.1	5844.3	5872.6	6010.1	6184.0	6442.8	6871.6	7251.7	7336.7	7712.8	7818.0
12.5°	5480.3	5508.6	5561.1	5702.7	5904.9	6171.9	6588.4	7033.3	7162.8	7644.0	7854.4
15°	5367.0	5302.3	5407.5	5512.6	5722.9	5961.5	6313.4	6867.5	6924.1	7563.2	7915.0
17.5°	5274.0	5233.5	5282.1	5367.0	5589.5	5783.6	6115.2	6689.6	6794.7	7530.8	7906.9
20°	5302.3	5265.9	5286.1	5350.8	5451.9	5633.9	5941.3	6519.7	6632.9	7381.2	7894.8
22.5°	5383.2	5411.5	5375.1	5391.3	5423.6	5516.7	5848.3	6398.4	6495.4	7352.8	7963.6
25°	5747.2	5698.7	5650.1	5629.9	5439.8	5480.3	5820.0	6390.3	6459.0	7251.7	7906.9
27.5°	6127.4	6086.9	6066.7	5949.4	5690.6	5569.2	5824.0	6277.0	6370.0	7211.3	7838.2
30°	6588.4	6641.0	6560.1	6418.6	6058.6	5759.3	5868.5	6220.4	6349.8	7057.6	7793.7
32.5°	7073.8	7102.1	7142.5	7037.4	6572.3	6046.5	6002.0	6273.0	6281.1	7057.6	7692.6
35°	7623.8	7583.4	7688.5	7696.6	7288.1	6556.1	6256.8	6309.4	6394.3	7025.2	7656.2
37.5°	8097.0	8165.8	8287.1	8481.3	8060.6	7276.0	6653.2	6479.2	6515.6	7174.9	7684.5
40°	8614.7	8683.5	8958.5	9152.6	8914.0	8084.9	7255.8	6875.6	6903.9	7397.3	7830.1
42.5°	9185.0	9318.5	9646.1	9985.8	9921.1	9112.2	8032.3	7458.0	7445.9	7951.4	8129.4
45°	9957.5	10135.4	10491.4	10883.7	10940.3	10289.1	9067.7	8327.6	8368.0	8675.4	8748.2
47.5°	11033.3	11025.2	11373.0	11809.9	12137.5	11510.6	10305.3	9496.4	9492.4	9820.0	9666.3
50°	12072.7	12076.8	12169.8	12675.4	13524.7	13205.2	11838.2	11049.5	11005.0	11166.8	10920.1
52.5°	12554.0	12497.4	12428.7	13039.4	14592.4	15340.7	13779.5	12808.8	12772.4	12675.4	12610.7
55°	12048.5	12068.7	12064.7	12699.6	15154.6	17593.4	16270.9	14746.1	14685.5	14382.1	14471.1
57.5°	10426.6	10361.9	10503.5	11494.4	14511.6	19130.3	19834.1	17189.0	17031.3	16024.2	15822.0
60°	7761.3	7781.6	7898.8	9067.7	12914.0	19453.9	23243.6	20056.5	19377.1	17180.9	16901.8
62.5°	5419.6	5379.1	5423.6	6078.8	9233.5	18159.7	25548.9	23542.9	22887.7	18495.4	18333.6
65°	3878.6	3826.1	4004.0	4404.4	5545.0	13884.7	25876.5	28185.9	27599.5	20594.4	20206.2
67.5°	2790.7	2782.6	2988.9	3716.9	3939.3	7995.9	23449.8	32392.2	32036.2	23085.8	21346.7
69°	2309.4	2313.4	2511.6	3328.6	3761.4	5460.0	20177.9	33116.1	33051.4	24372.0	21132.4
70°	2014.1	2030.3	2260.9	3098.1	3688.6	4489.4	17395.3	32404.3	32339.6	24622.7	20424.6
72.5°	1241.7	1253.8	1557.1	2483.3	3506.6	3664.3	10402.4	26511.5	26733.9	23474.1	17597.5
75°	594.5	598.6	817.0	1795.7	3381.2	3474.2	5573.3	19563.1	20032.3	18952.4	13751.2
77.5°	315.5	315.5	392.3	954.5	2738.1	3267.9	3308.4	13799.7	14188.0	11983.8	7818.0
80°	157.7	161.8	238.6	497.5	1698.7	3203.2	2584.4	8230.5	8440.8	4889.8	2434.8
82.5°	60.7	64.7	113.2	299.3	881.7	2705.7	2268.9	4048.5	3995.9	1144.6	594.5
85°	8.1	8.1	40.4	178.0	376.1	1193.1	1872.6	1690.6	1634.0	250.8	287.2
87.5°	0.0	0.0	8.1	52.6	113.2	347.8	724.0	465.1	517.7	68.8	141.6
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°	7559.1	7559.1	7559.1	7559.1	7559.1	7559.1	7559.1	7559.1	7559.1	7559.1	7559.1
2.5°	7676.4	7591.5	7462.0	7336.7	7203.2	7041.4	6863.5	6798.8	6685.5	6677.4	6742.1
5°	7668.3	7530.8	7304.3	7037.4	6657.2	6370.0	6058.6	5832.1	5658.2	5545.0	5573.3
7.5°	7708.8	7542.9	7150.6	6576.3	6086.9	5516.7	5035.4	4703.7	4400.4	4250.7	4234.6
10°	7644.0	7421.6	6847.3	6042.4	5322.5	4525.8	3822.0	3377.1	2924.2	2758.3	2766.4
12.5°	7680.4	7369.0	6519.7	5492.4	4501.5	3466.1	2624.9	2018.2	1593.5	1456.0	1439.8
15°	7704.7	7255.8	6204.2	4833.1	3591.5	2362.0	1520.7	1144.6	1011.1	986.9	982.8
17.5°	7611.7	7118.3	5759.3	4182.0	2661.3	1435.8	1011.1	934.3	910.0	893.8	885.7
20°	7607.6	7037.4	5375.1	3514.6	1775.5	978.8	873.6	845.3	808.9	796.8	796.8
22.5°	7538.9	6867.5	4914.0	2782.6	1132.5	841.2	784.6	740.1	699.7	683.5	679.5
25°	7518.7	6669.3	4481.3	2091.0	861.5	752.3	695.6	630.9	582.4	558.1	546.0
27.5°	7462.0	6499.5	4044.5	1472.2	752.3	671.4	598.6	529.8	473.2	436.8	432.8
30°	7259.8	6321.5	3559.1	1019.2	683.5	594.5	513.6	432.8	376.1	351.9	343.8
32.5°	7174.9	6155.7	3029.3	784.6	622.8	525.8	432.8	360.0	315.5	291.2	287.2
35°	7073.8	5913.0	2515.7	683.5	566.2	457.0	364.0	303.3	266.9	246.7	246.7
37.5°	7085.9	5718.9	2034.4	618.8	505.6	392.3	311.4	258.8	226.5	206.3	206.3
40°	7049.5	5565.2	1581.4	562.2	448.9	335.7	262.9	218.4	190.1	169.9	165.8
42.5°	7215.3	5524.7	1193.1	513.6	392.3	287.2	226.5	186.0	157.7	133.5	133.5
45°	7494.4	5589.5	930.2	469.2	335.7	246.7	194.1	153.7	125.4	109.2	105.2
47.5°	8238.6	5844.3	728.0	432.8	287.2	214.4	161.8	125.4	101.1	84.9	80.9
50°	9318.5	6414.5	618.8	380.2	242.7	182.0	133.5	97.1	80.9	64.7	60.7
52.5°	10855.4	7373.1	562.2	335.7	202.2	149.6	105.2	76.8	60.7	48.5	44.5
55°	12529.8	8570.2	509.6	283.1	169.9	121.3	84.9	60.7	44.5	32.4	28.3
57.5°	13836.1	9605.6	465.1	234.6	137.5	97.1	64.7	44.5	32.4	20.2	16.2
60°	15263.8	10333.6	408.5	186.0	113.2	72.8	48.5	32.4	24.3	12.1	12.1
62.5°	16736.0	11187.0	335.7	145.6	89.0	56.6	36.4	24.3	16.2	4.0	4.0
65°	18782.5	11854.3	258.8	113.2	68.8	40.4	28.3	20.2	8.1	0.0	0.0
67.5°	19360.9	11526.7	190.1	89.0	48.5	28.3	20.2	12.1	4.0	0.0	0.0
69°	18782.5	10382.2	165.8	76.8	40.4	24.3	16.2	8.1	4.0	0.0	0.0
70°	17726.9	9492.4	145.6	64.7	36.4	24.3	12.1	8.1	4.0	0.0	0.0
72.5°	14827.0	7280.0	113.2	48.5	28.3	20.2	12.1	8.1	0.0	0.0	0.0
75°	10875.6	4497.4	84.9	36.4	24.3	16.2	12.1	8.1	0.0	0.0	0.0
77.5°	5828.1	1642.1	60.7	24.3	16.2	12.1	12.1	8.1	0.0	0.0	0.0
80°	1597.6	485.3	44.5	16.2	12.1	8.1	8.1	4.0	0.0	0.0	0.0
82.5°	436.8	125.4	28.3	16.2	12.1	8.1	4.0	0.0	0.0	0.0	0.0
85°	234.6	48.5	16.2	12.1	8.1	4.0	0.0	0.0	0.0	0.0	0.0
87.5°	121.3	16.2	12.1	8.1	8.1	4.0	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)