

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: P483487

Luminaire Tested: **IFLD-L-SA7C-722-U-T4W-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483487  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7C-722-U-T4W-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W 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: 24093.4 lumens  
Efficiency: N/A  
Efficacy: 65.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

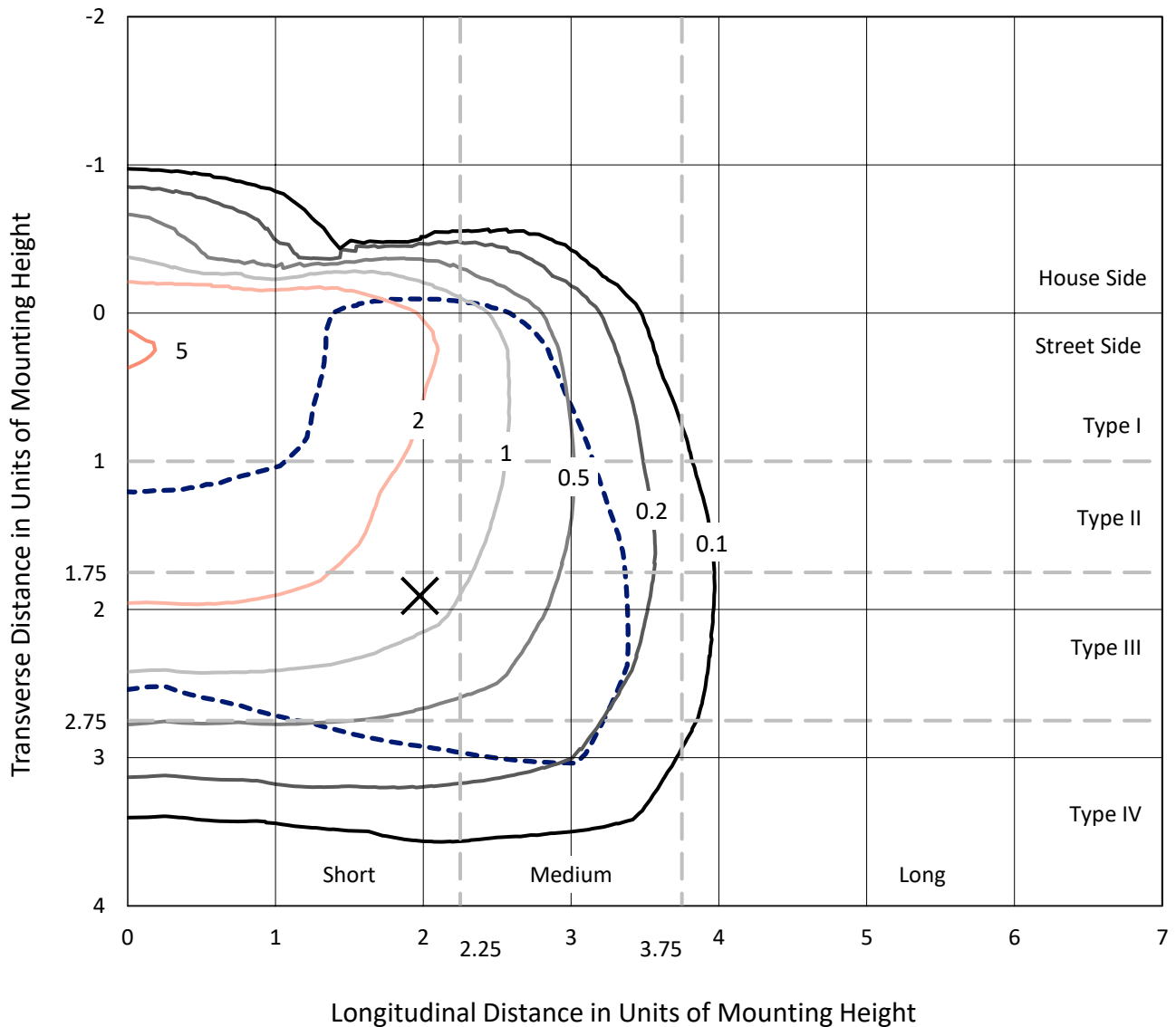
Input Watts (W): 369  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

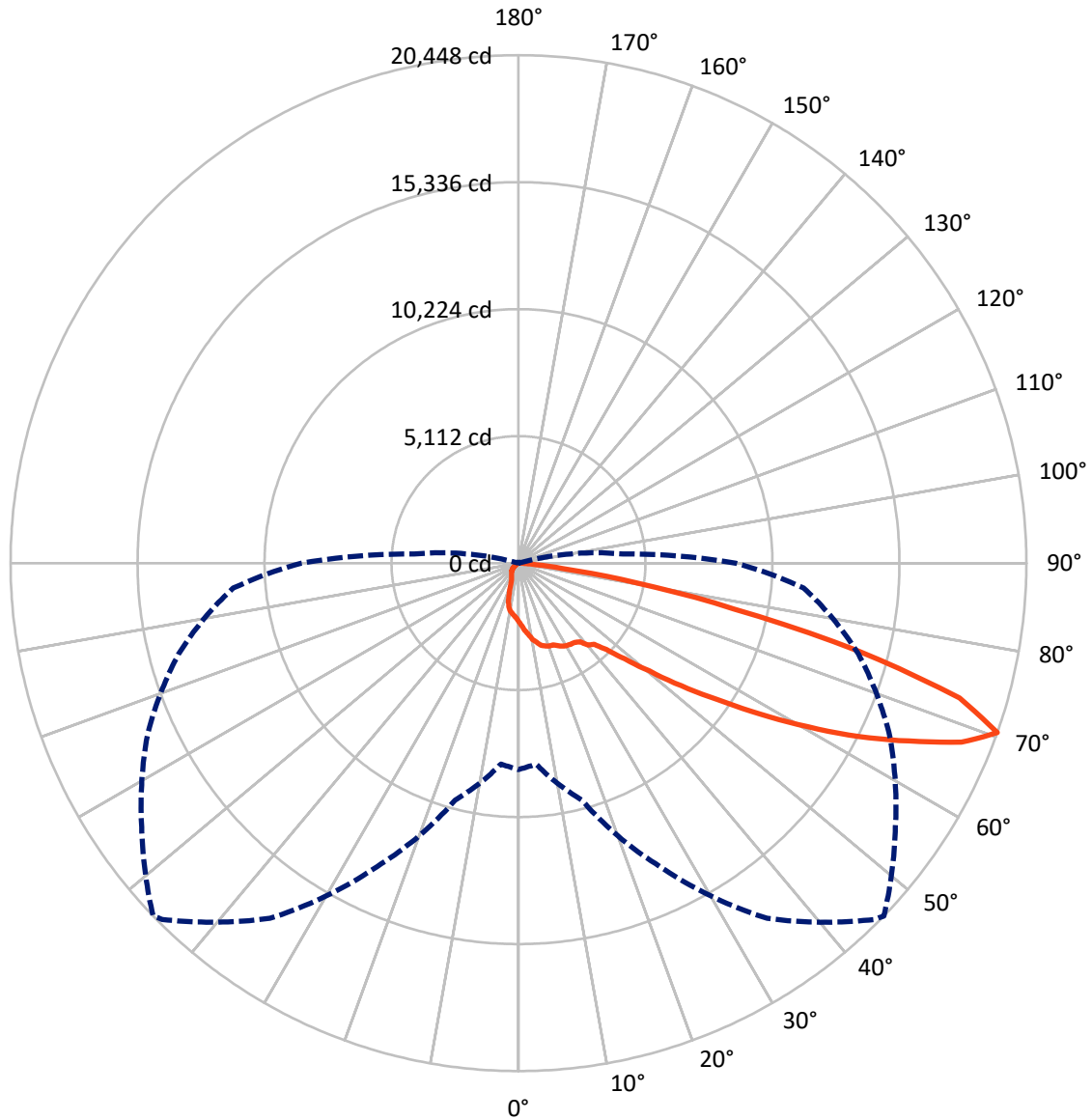
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2397.4	0.0	2397.4
	% Fixture	10.0	0.0	10.0
<b>Street Side</b>	Lumens	21696.0	0.0	21696.0
	% Fixture	90.0	0.0	90.0
<b>Total</b>	Lumens	24093.4	0.0	24093.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	235.8	1.0
10°-20°	712.2	3.0
20°-30°	1140.8	4.7
30°-40°	1628.4	6.8
40°-50°	2811.7	11.7
50°-60°	5383.3	22.3
60°-70°	7971.8	33.1
70°-80°	3948.4	16.4
80°-90°	260.9	1.1
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°	24093.4	100.0
0°-180°	24093.4	100.0

**Coefficient of Utilization**



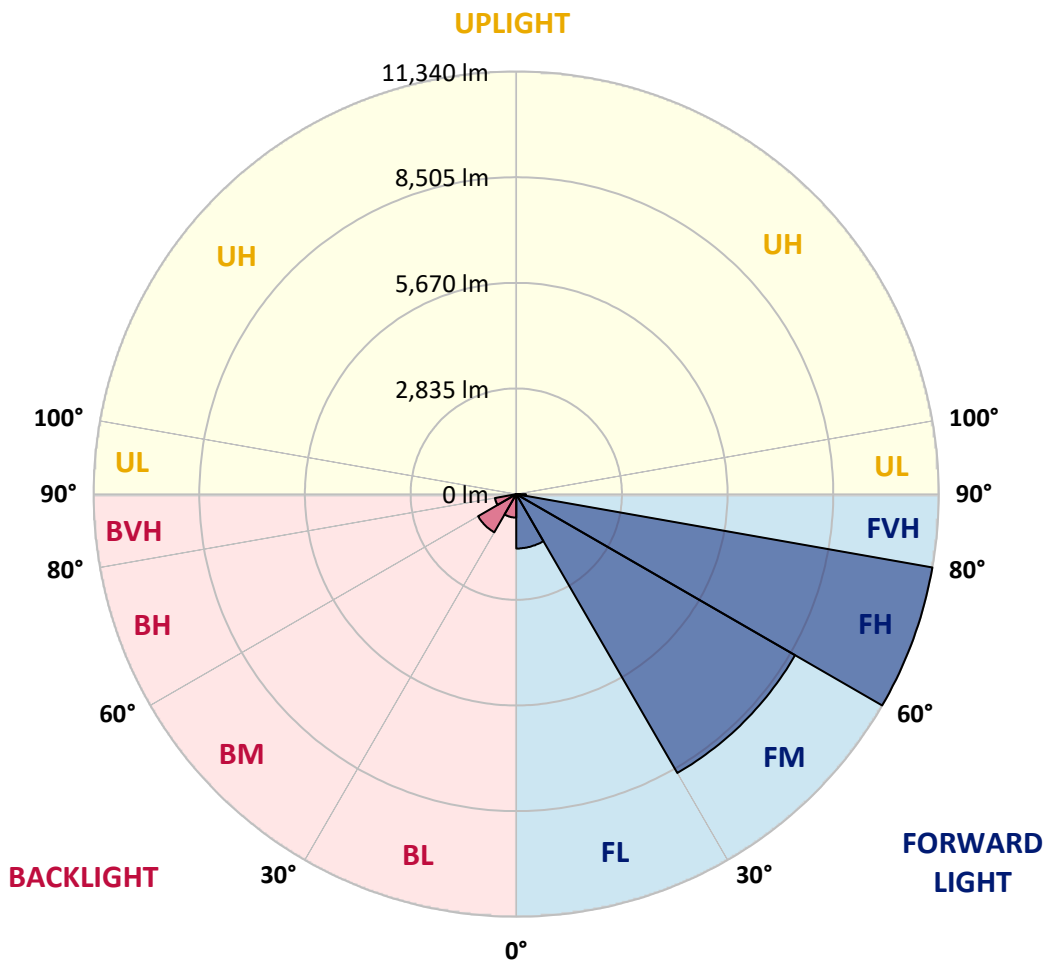
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1459.0	6.1			
FM (30°-60°)	8639.8	35.9			
FH (60°-80°)	11339.6	47.1			G4/12000
FVH (80°-90°)	257.6	1.1			G3/500
BL (0°-30°)	629.8	2.6	B2/1000		
BM (30°-60°)	1183.6	4.9	B2/2500		
BH (60°-80°)	580.6	2.4	B2/1000		G2/1000
BVH (80°-90°)	3.3	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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	2365.2	2365.2	2365.2	2365.2	2365.2	2365.2	2365.2	2365.2	2365.2	2365.2	2365.2
2.5°	2639.2	2621.9	2594.1	2583.7	2556.0	2542.1	2521.3	2510.9	2472.7	2434.6	2410.3
5°	2961.7	2920.1	2934.0	2892.4	2802.2	2729.4	2725.9	2646.1	2559.4	2490.1	2396.4
7.5°	3287.7	3253.0	3201.0	3142.1	3041.5	2934.0	2902.8	2826.5	2705.1	2583.7	2458.9
10°	3534.0	3509.7	3464.6	3381.4	3242.6	3121.3	3124.7	2996.4	2868.1	2729.4	2559.4
12.5°	3686.5	3697.0	3631.1	3547.8	3426.4	3273.9	3270.4	3183.7	3038.0	2892.4	2691.2
15°	3839.1	3877.3	3776.7	3679.6	3523.6	3412.6	3433.4	3329.3	3187.1	3020.7	2798.7
17.5°	3863.4	3873.8	3853.0	3710.8	3596.4	3502.7	3506.2	3436.8	3329.3	3149.0	2958.3
20°	3821.8	3814.9	3790.6	3686.5	3610.3	3554.8	3558.2	3540.9	3481.9	3336.3	3076.2
22.5°	3700.4	3700.4	3669.2	3599.8	3565.2	3617.2	3575.6	3641.5	3579.0	3492.3	3277.3
25°	3603.3	3641.5	3624.1	3579.0	3592.9	3662.3	3683.1	3745.5	3735.1	3627.6	3416.0
27.5°	3707.4	3662.3	3672.7	3620.7	3672.7	3776.7	3787.1	3832.2	3828.7	3742.0	3540.9
30°	3776.7	3818.3	3738.6	3624.1	3679.6	3856.5	3849.5	3908.5	3936.3	3832.2	3658.8
32.5°	3998.7	3964.0	3898.1	3745.5	3752.4	3853.0	3884.2	3960.5	3977.9	3915.4	3773.3
35°	4453.0	4401.0	4113.1	3884.2	3849.5	3898.1	3918.9	4068.0	4099.2	4029.9	3894.6
37.5°	5153.5	5035.6	4688.8	4182.5	4026.4	4016.0	4016.0	4213.7	4331.6	4172.1	4075.0
40°	6155.8	5989.3	5614.8	4733.9	4258.8	4300.4	4342.0	4449.5	4435.7	4331.6	4310.8
42.5°	7432.1	7303.7	6898.0	5659.9	4702.7	4494.6	4459.9	4605.6	4824.1	4782.5	4768.6
45°	8496.8	8503.7	8243.6	6929.2	5469.1	4942.0	4966.3	5077.2	5444.9	5413.6	5410.2
47.5°	9273.6	9176.5	9138.3	8153.4	6585.8	5791.7	5757.0	5833.3	6311.9	6509.6	6599.7
50°	9981.1	9915.2	9825.0	9343.0	7928.0	6856.4	6821.7	6828.6	7560.4	7837.8	8059.8
52.5°	10858.5	10941.7	10643.5	10348.7	9665.5	8240.1	8202.0	8066.7	8975.3	9356.8	9620.4
55°	11940.5	11784.5	11448.1	11600.7	11326.7	9734.8	9665.5	9506.0	10588.0	10747.5	11025.0
57.5°	12179.8	12061.9	12408.7	12949.7	13213.3	11489.7	11461.9	11174.1	11944.0	11798.3	12582.1
60°	12776.3	12807.6	13289.6	14364.7	14822.5	13515.0	13379.8	12873.4	13258.4	13286.1	14121.9
62.5°	13390.2	13317.4	14395.9	15429.4	16133.4	15432.9	15387.8	14382.1	14819.0	14465.3	15571.6
65°	12939.3	13050.3	14593.6	16324.2	17832.8	17309.1	17270.9	15835.2	16074.5	15634.0	16161.2
67.5°	11337.1	11111.7	13272.3	15914.9	18706.7	19275.5	19233.9	17420.1	16782.0	15627.1	14936.9
70°	8309.5	8115.3	9877.0	13476.9	17454.8	20281.2	20447.7	18522.9	16494.1	14170.5	11524.4
72.5°	4071.5	4075.0	5535.0	9138.3	13809.8	18484.8	18568.0	16983.1	14170.5	10445.8	6526.9
75°	1203.4	1217.3	2049.6	4480.7	8926.8	14038.7	14132.4	12890.8	9821.6	5396.3	2226.5
77.5°	440.4	440.4	679.7	1682.0	4453.0	8860.9	8854.0	7914.1	4973.2	1827.7	520.2
80°	228.9	239.3	353.7	686.7	1928.2	4616.0	4789.4	3873.8	1890.1	769.9	152.6
82.5°	93.6	104.0	194.2	353.7	926.0	1619.6	1772.2	1519.0	821.9	537.5	69.4
85°	27.7	31.2	93.6	197.7	364.1	405.8	450.8	509.8	516.7	416.2	31.2
87.5°	3.5	3.5	38.1	65.9	79.8	86.7	100.6	100.6	263.6	291.3	17.3
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°	2365.2	2365.2	2365.2	2365.2	2365.2	2365.2	2365.2	2365.2	2365.2	2365.2	2365.2
2.5°	2382.6	2365.2	2337.5	2275.0	2261.2	2216.1	2212.6	2171.0	2184.9	2157.1	2146.7
5°	2365.2	2327.1	2250.8	2202.2	2153.7	2122.5	2101.6	2084.3	2080.8	2067.0	2060.0
7.5°	2396.4	2344.4	2226.5	2150.2	2067.0	2039.2	1994.1	1990.7	1966.4	1942.1	1942.1
10°	2500.5	2406.8	2278.5	2150.2	2042.7	1952.5	1848.5	1772.2	1744.4	1682.0	1688.9
12.5°	2583.7	2500.5	2313.2	2181.4	2018.4	1813.8	1584.9	1408.0	1324.8	1245.0	1276.2
15°	2701.6	2580.2	2379.1	2188.3	1924.8	1571.0	1196.5	998.8	922.5	905.2	901.7
17.5°	2829.9	2701.6	2462.3	2171.0	1734.0	1213.8	880.9	766.4	780.3	801.1	797.7
20°	2972.1	2816.1	2524.7	2112.0	1432.3	880.9	721.4	717.9	738.7	769.9	776.8
22.5°	3121.3	2986.0	2601.0	1935.2	1068.2	707.5	693.6	693.6	707.5	745.6	738.7
25°	3287.7	3107.4	2639.2	1661.2	766.4	652.0	658.9	672.8	679.7	711.0	714.4
27.5°	3416.0	3242.6	2649.6	1331.7	624.3	603.4	620.8	638.1	648.5	672.8	683.2
30°	3534.0	3412.6	2594.1	991.9	572.2	561.8	568.8	593.0	613.8	634.7	634.7
32.5°	3683.1	3509.7	2465.8	704.0	541.0	523.7	520.2	530.6	554.9	579.2	579.2
35°	3835.7	3672.7	2261.2	565.3	513.3	489.0	475.1	464.7	475.1	492.5	506.3
37.5°	4057.6	3918.9	2004.5	520.2	492.5	457.8	430.0	405.8	388.4	385.0	395.4
40°	4373.2	4196.4	1675.1	489.0	468.2	426.6	385.0	343.3	305.2	280.9	284.4
42.5°	4851.8	4605.6	1317.9	471.7	450.8	391.9	332.9	274.0	225.4	201.1	201.1
45°	5535.0	5146.6	967.6	454.3	430.0	350.3	274.0	204.6	156.1	142.2	145.7
47.5°	6565.0	5798.6	693.6	426.6	402.3	305.2	215.0	145.7	114.4	107.5	111.0
50°	7910.6	6572.0	541.0	395.4	367.6	256.6	159.5	107.5	90.2	86.7	90.2
52.5°	9322.2	7352.3	475.1	367.6	315.6	204.6	117.9	86.7	76.3	72.8	76.3
55°	10529.0	7855.2	412.7	326.0	253.2	152.6	93.6	76.3	65.9	55.5	55.5
57.5°	11749.8	8108.3	326.0	270.5	187.3	114.4	79.8	65.9	55.5	45.1	41.6
60°	12741.7	8288.7	232.4	201.1	131.8	90.2	69.4	59.0	45.1	34.7	31.2
62.5°	13393.7	7771.9	169.9	152.6	97.1	76.3	59.0	48.6	34.7	24.3	24.3
65°	13071.1	7057.5	131.8	107.5	72.8	59.0	48.6	34.7	24.3	13.9	10.4
67.5°	11729.0	5750.0	107.5	79.8	55.5	45.1	38.1	27.7	13.9	3.5	3.5
70°	8749.9	4213.7	86.7	59.0	45.1	34.7	27.7	17.3	6.9	3.5	0.0
72.5°	4785.9	2306.3	69.4	48.6	34.7	27.7	20.8	13.9	6.9	0.0	0.0
75°	1581.4	613.8	52.0	34.7	20.8	17.3	13.9	10.4	3.5	0.0	0.0
77.5°	381.5	159.5	41.6	31.2	17.3	10.4	6.9	3.5	3.5	0.0	0.0
80°	117.9	65.9	31.2	20.8	13.9	10.4	3.5	0.0	0.0	0.0	0.0
82.5°	48.6	31.2	13.9	13.9	10.4	3.5	0.0	0.0	0.0	0.0	0.0
85°	24.3	17.3	10.4	6.9	6.9	3.5	0.0	0.0	0.0	0.0	0.0
87.5°	17.3	6.9	3.5	3.5	0.0	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)