

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: P322920

Luminaire Tested: **GAN-SA6B-750-U-T4W-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322920
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-750-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24772 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

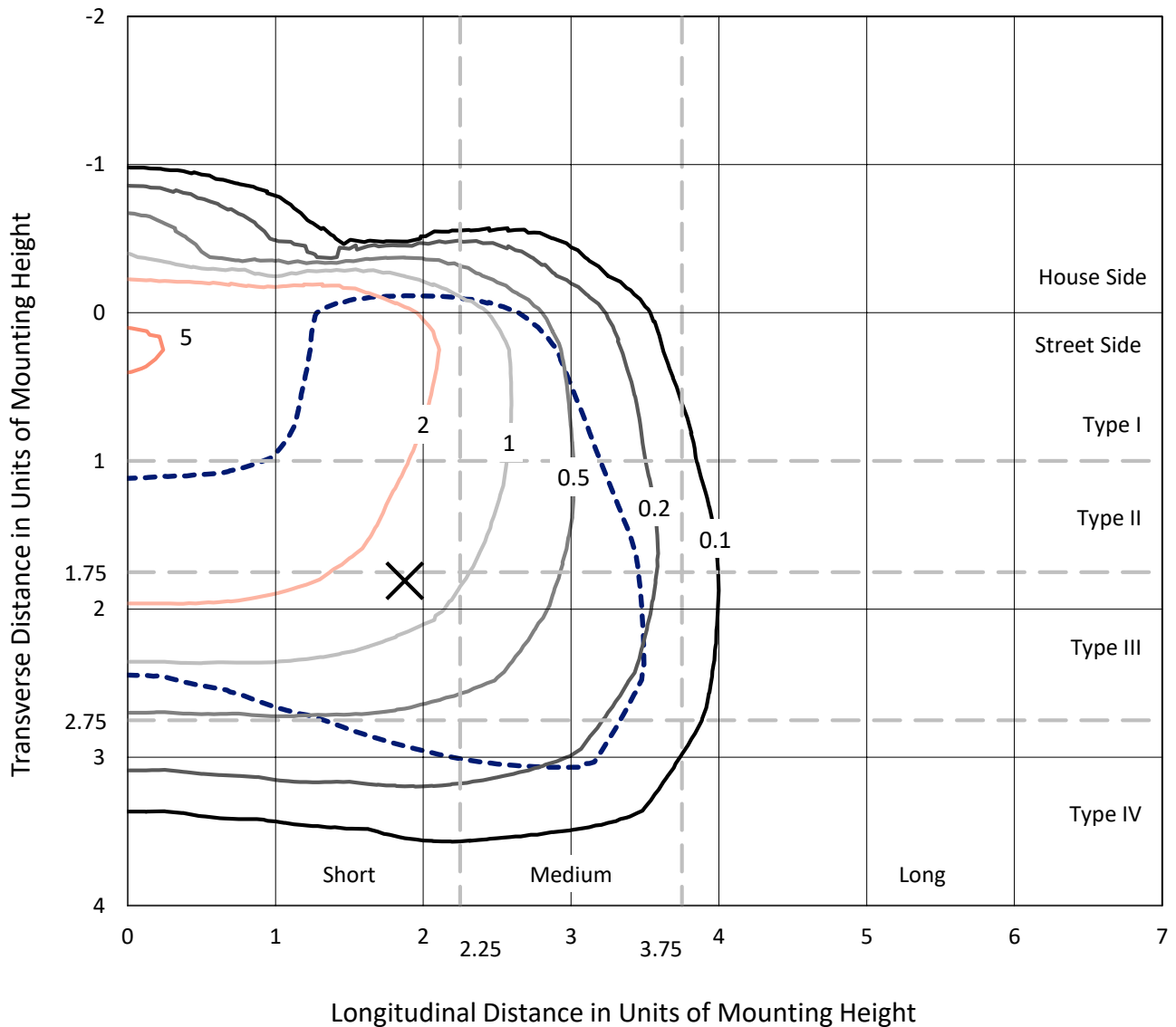
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

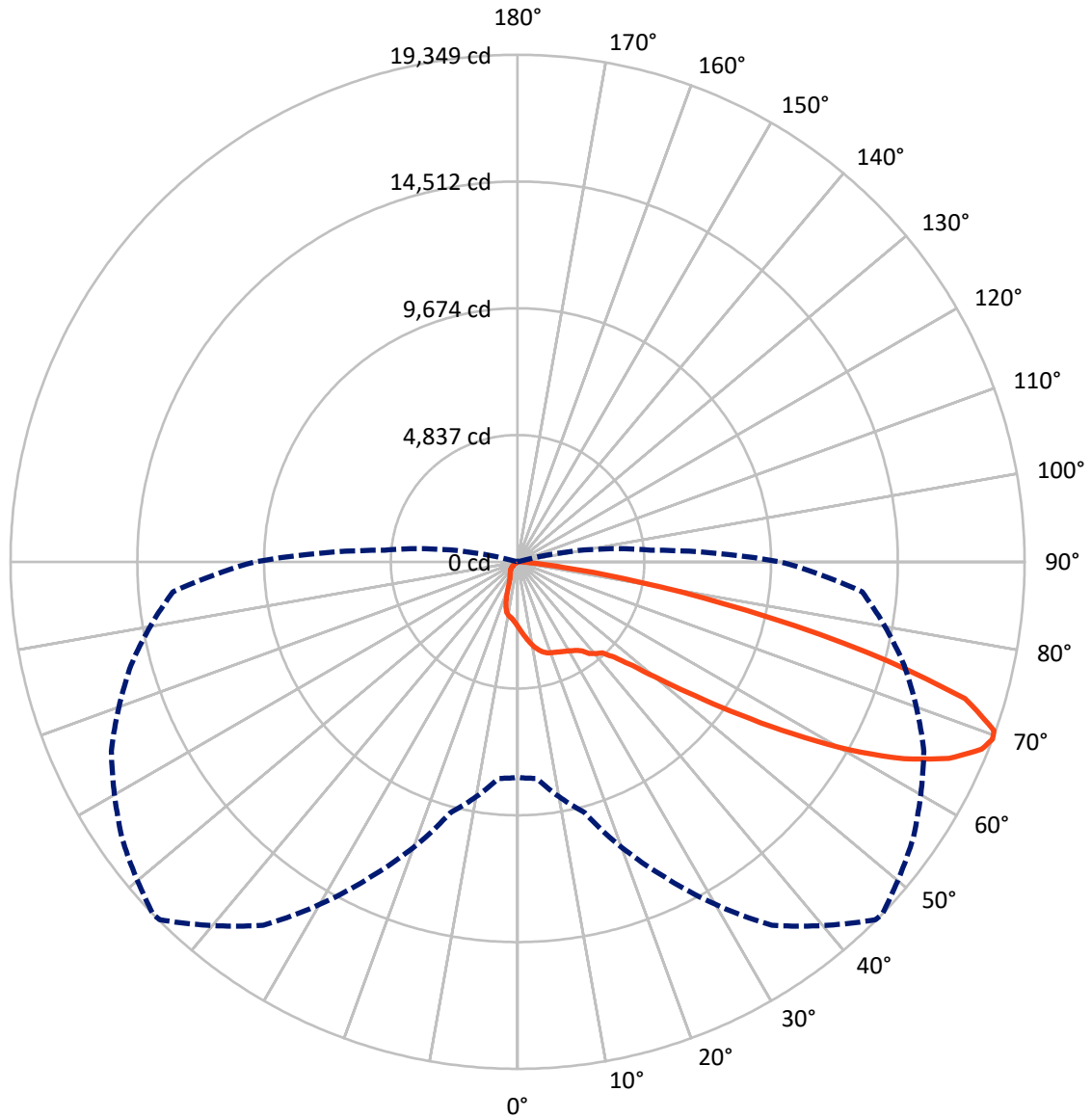
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2542.3	0.0	2542.3
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	22229.7	0.0	22229.7
	% Fixture	89.7	0.0	89.7
Total	Lumens	24772.0	0.0	24772.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.1	1.0
10°-20°	749.5	3.0
20°-30°	1178.7	4.8
30°-40°	1690.3	6.8
40°-50°	2921.4	11.8
50°-60°	5771.5	23.3
60°-70°	8066.2	32.6
70°-80°	3896.9	15.7
80°-90°	250.5	1.0
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°	24772.0	100.0
0°-180°	24772.0	100.0

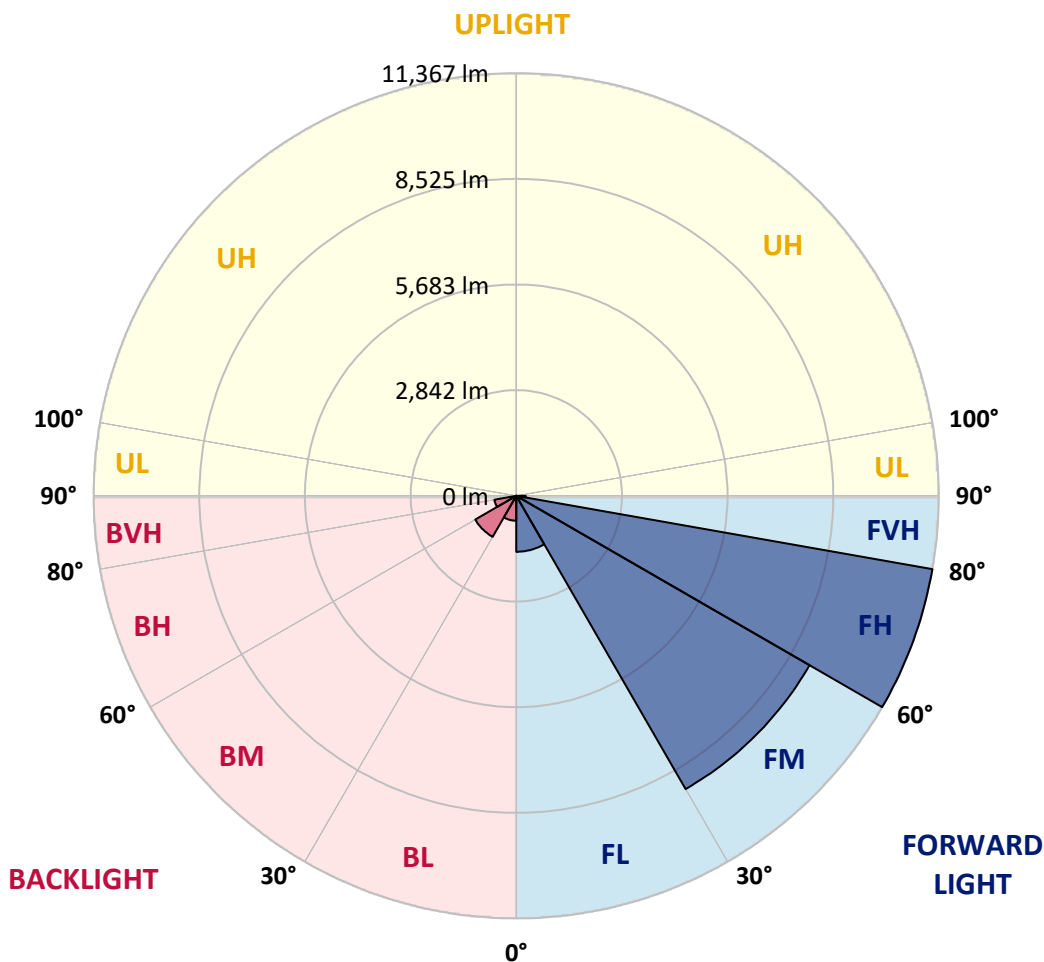


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1505.2	6.1			
FM (30°-60°)	9109.2	36.8			
FH (60°-80°)	11367.0	45.9			G4/12000
FVH (80°-90°)	248.4	1.0			G3/500
BL (0°-30°)	670.1	2.7	B2/1000		
BM (30°-60°)	1274.0	5.1	B2/2500		
BH (60°-80°)	596.1	2.4	B2/1000		G2/1000
BVH (80°-90°)	2.1	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1
2.5°	2757.3	2753.8	2737.6	2730.6	2691.1	2667.9	2658.6	2629.6	2587.8	2545.9	2499.5
5°	3070.9	3069.8	3039.6	3010.5	2936.2	2866.5	2853.7	2786.4	2692.3	2604.0	2515.7
7.5°	3391.5	3376.4	3346.2	3290.4	3182.4	3070.9	3060.5	2965.2	2831.7	2703.9	2577.3
10°	3663.3	3654.0	3614.5	3529.7	3403.1	3276.5	3263.7	3146.4	2995.4	2838.6	2677.2
12.5°	3874.7	3867.7	3815.4	3709.7	3575.0	3443.8	3426.3	3321.8	3160.4	2985.0	2794.5
15°	4003.6	4000.1	3936.2	3823.6	3691.2	3577.3	3562.2	3470.5	3320.6	3137.1	2922.3
17.5°	4033.8	4034.9	3968.7	3854.9	3745.7	3664.4	3652.8	3583.1	3457.7	3275.3	3050.0
20°	3966.4	3980.4	3921.1	3822.4	3755.0	3712.1	3702.8	3661.0	3555.3	3383.4	3152.2
22.5°	3871.2	3878.1	3837.5	3771.3	3743.4	3751.5	3746.9	3723.7	3634.2	3476.3	3253.3
25°	3813.1	3813.1	3788.7	3733.0	3751.5	3801.5	3802.7	3798.0	3727.2	3590.1	3376.4
27.5°	3810.8	3803.8	3775.9	3734.1	3785.2	3861.9	3866.5	3897.9	3853.8	3728.3	3529.7
30°	3903.7	3895.6	3836.3	3781.7	3846.8	3929.3	3940.9	4009.4	3987.3	3878.1	3700.4
32.5°	4120.9	4091.9	3960.6	3871.2	3920.0	4018.7	4033.8	4143.0	4177.8	4062.8	3865.4
35°	4418.2	4326.5	4137.2	4040.8	4045.4	4148.8	4162.7	4323.0	4426.4	4232.4	3993.1
37.5°	4828.2	4782.9	4475.1	4217.3	4238.2	4395.0	4435.7	4609.9	4580.8	4325.3	4138.3
40°	5727.2	5656.4	5328.8	4712.1	4422.9	4594.8	4607.6	4700.5	4702.8	4535.5	4440.3
42.5°	6951.4	6922.4	6577.4	5609.9	4786.4	4728.3	4751.6	4908.4	5083.8	4979.2	4974.6
45°	8306.8	8291.7	7925.9	6801.6	5521.6	5166.2	5195.3	5405.5	5741.1	5764.4	5911.9
47.5°	9397.5	9390.5	9180.3	8131.5	6647.1	5908.4	5917.7	6140.7	6730.7	7022.2	7258.0
50°	10391.7	10425.4	10259.3	9570.5	8180.2	7071.0	7049.0	7197.6	8145.4	8622.8	8915.4
52.5°	11773.8	11821.4	11355.7	10913.2	9788.9	8513.6	8496.2	8651.8	9845.8	10203.5	10255.8
55°	12994.5	12913.2	12545.0	12417.3	11750.6	10295.3	10290.6	10427.7	11490.4	11642.6	11739.0
57.5°	13533.5	13502.1	13679.8	13972.5	13805.2	12401.0	12390.6	12286.0	12962.0	12978.3	13274.4
60°	13873.8	13912.1	14456.8	15359.3	15776.2	14667.0	14599.7	13962.0	14367.4	14331.4	14648.5
62.5°	13618.2	13693.7	14674.0	16178.1	17251.3	16645.0	16549.8	15497.5	15568.3	15444.1	15739.1
65°	12261.6	12378.9	13985.3	16023.6	17983.0	18190.9	18094.5	16852.9	16521.9	16317.5	16153.7
67.5°	9956.1	10025.8	11703.0	14679.8	17653.2	19113.2	19093.4	18041.1	17242.0	16170.0	14899.3
69°	8227.9	8296.4	9910.8	13265.2	16927.3	19310.6	19348.9	18422.1	17105.0	15273.3	13201.3
70°	6968.8	7042.0	8546.1	12052.6	16085.2	19218.8	19287.4	18386.1	16712.4	14235.0	11711.1
72.5°	3655.1	3717.9	5261.5	8303.4	13113.0	17647.4	17855.3	16832.0	14166.5	10338.2	6924.7
75°	1148.7	1184.7	2054.6	4340.4	8978.2	13721.6	13769.2	13203.6	10059.5	5686.6	2883.9
77.5°	437.9	427.4	684.1	1599.3	4539.0	8640.2	8931.7	8251.1	5278.9	2010.5	665.5
80°	235.8	236.9	355.4	662.0	1942.0	4440.3	4686.5	3998.9	1875.8	627.2	153.3
82.5°	102.2	106.9	199.8	350.8	892.0	1637.7	1760.8	1465.8	716.6	421.6	56.9
85°	22.1	24.4	96.4	190.5	363.5	459.9	482.0	475.0	456.5	327.5	22.1
87.5°	0.0	0.0	43.0	68.5	91.8	104.5	91.8	119.6	252.0	220.7	11.6
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°	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1
2.5°	2484.4	2463.5	2427.5	2388.0	2360.1	2331.1	2307.8	2297.4	2285.8	2277.6	2288.1
5°	2479.7	2439.1	2369.4	2302.0	2253.3	2213.8	2181.2	2168.5	2155.7	2146.4	2145.2
7.5°	2520.4	2463.5	2356.6	2257.9	2182.4	2129.0	2084.8	2066.3	2051.2	2044.2	2038.4
10°	2598.2	2525.0	2382.2	2253.3	2155.7	2065.1	1969.9	1896.7	1849.1	1827.0	1818.9
12.5°	2699.3	2607.5	2431.0	2277.6	2135.9	1961.7	1759.6	1585.4	1472.7	1435.6	1413.5
15°	2817.7	2703.9	2494.8	2309.0	2063.9	1745.7	1403.1	1175.4	1070.9	1050.0	1026.7
17.5°	2931.6	2806.1	2571.5	2314.8	1906.0	1394.9	1027.9	873.4	832.8	846.7	850.2
20°	3031.4	2907.2	2647.0	2263.7	1619.1	1046.5	795.6	757.3	772.4	799.1	803.7
22.5°	3132.5	3004.7	2716.7	2129.0	1252.1	794.4	716.6	725.9	741.0	767.7	772.4
25°	3255.6	3123.2	2781.7	1881.6	939.6	676.0	680.6	694.6	709.7	734.0	736.4
27.5°	3397.3	3273.0	2824.7	1559.9	696.9	621.4	636.5	657.4	672.5	695.7	700.4
30°	3585.5	3470.5	2838.6	1226.5	584.2	572.6	579.6	605.1	627.2	648.1	651.6
32.5°	3762.0	3665.6	2792.2	925.7	541.2	527.3	527.3	542.4	568.0	587.7	592.3
35°	3924.6	3861.9	2643.5	677.1	508.7	485.5	473.9	473.9	490.1	506.4	511.0
37.5°	4139.5	4137.2	2403.1	540.1	477.4	450.7	426.3	407.7	401.9	405.4	407.7
40°	4507.7	4511.2	2089.5	484.3	450.7	414.6	377.5	343.8	312.4	302.0	300.8
42.5°	5082.6	5030.3	1760.8	457.6	427.4	377.5	321.7	276.4	227.6	212.5	211.4
45°	5995.5	5685.4	1412.3	433.2	403.0	335.7	266.0	204.4	164.9	153.3	153.3
47.5°	7325.4	6546.0	1094.1	406.5	370.5	288.0	200.9	147.5	120.8	115.0	116.1
50°	8700.6	7389.3	838.6	372.8	331.0	238.1	148.7	106.9	91.8	91.8	92.9
52.5°	9920.1	8007.2	653.9	336.8	282.2	187.0	112.7	83.6	76.7	75.5	76.7
55°	11061.8	8405.6	500.6	295.0	224.2	139.4	85.9	68.5	63.9	61.6	60.4
57.5°	12162.9	8603.0	375.2	238.1	162.6	101.0	68.5	58.1	53.4	49.9	48.8
60°	12895.8	8442.7	257.8	175.4	112.7	73.2	56.9	49.9	44.1	40.7	39.5
62.5°	13309.3	8004.9	166.1	126.6	80.1	54.6	45.3	41.8	33.7	30.2	30.2
65°	13142.0	7282.4	116.1	90.6	58.1	40.7	33.7	33.7	24.4	19.7	18.6
67.5°	11646.1	6152.3	88.3	67.4	41.8	30.2	25.6	29.0	15.1	9.3	9.3
69°	10020.0	5098.9	75.5	55.8	34.8	24.4	22.1	26.7	10.5	7.0	5.8
70°	8708.7	4398.5	68.5	48.8	29.0	20.9	19.7	25.6	10.5	5.8	4.6
72.5°	5210.4	2453.0	52.3	34.8	18.6	16.3	16.3	29.0	10.5	5.8	4.6
75°	2105.7	864.1	38.3	24.4	13.9	13.9	19.7	37.2	9.3	4.6	3.5
77.5°	477.4	189.3	22.1	15.1	9.3	13.9	23.2	29.0	5.8	2.3	0.0
80°	116.1	46.5	13.9	9.3	5.8	10.5	17.4	16.3	1.2	0.0	0.0
82.5°	38.3	16.3	5.8	4.6	1.2	3.5	8.1	4.6	0.0	0.0	0.0
85°	16.3	9.3	2.3	1.2	0.0	0.0	1.2	0.0	0.0	0.0	0.0
87.5°	10.5	3.5	0.0	0.0	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)