

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: P322880

Luminaire Tested: **GAN-SA6B-740-U-T4W-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322880
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-740-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 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: 24771 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

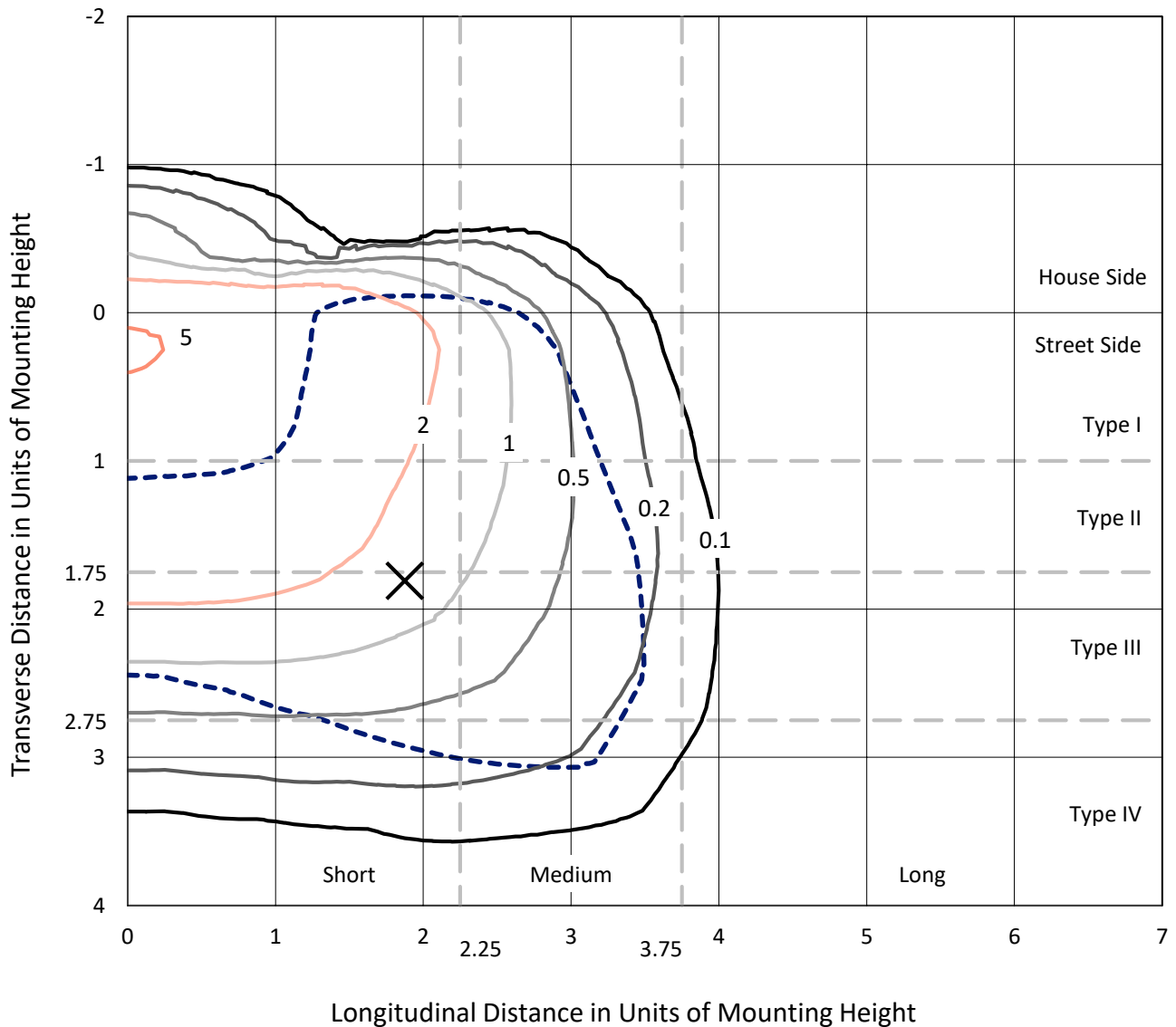
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

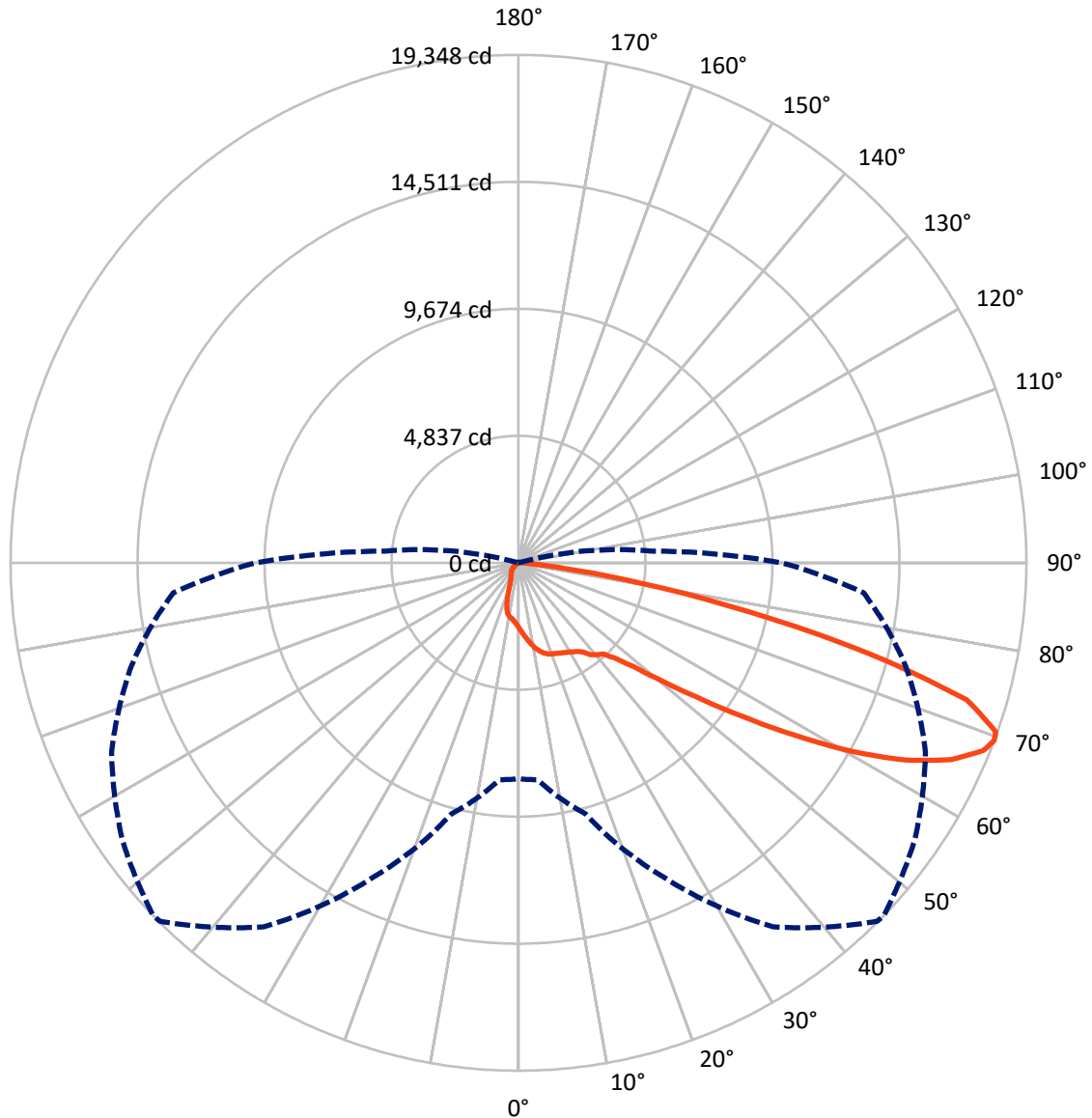
✕ Max cd
 - - - 1/2 Max cd



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	2542.2	0.0	2542.2
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	22228.8	0.0	22228.8
	% Fixture	89.7	0.0	89.7
Total	Lumens	24771.0	0.0	24771.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.0	1.0
10°-20°	749.5	3.0
20°-30°	1178.7	4.8
30°-40°	1690.2	6.8
40°-50°	2921.3	11.8
50°-60°	5771.3	23.3
60°-70°	8065.9	32.6
70°-80°	3896.7	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°	24771.0	100.0
0°-180°	24771.0	100.0

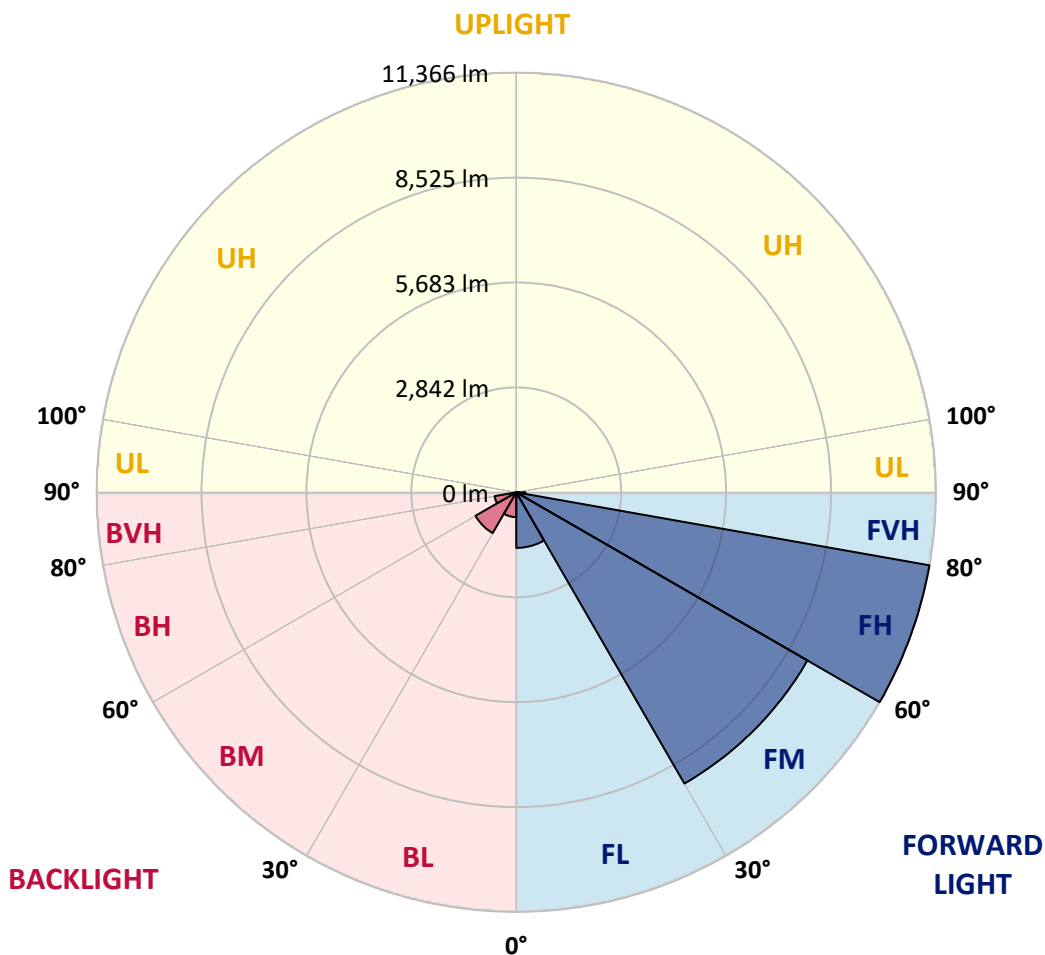


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1505.1	6.1			
FM (30°-60°)	9108.8	36.8			
FH (60°-80°)	11366.5	45.9			G4/12000
FVH (80°-90°)	248.4	1.0			G3/500
BL (0°-30°)	670.0	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°	2482.0	2482.0	2482.0	2482.0	2482.0	2482.0	2482.0	2482.0	2482.0	2482.0	2482.0
2.5°	2757.2	2753.7	2737.5	2730.5	2691.0	2667.8	2658.5	2629.5	2587.7	2545.8	2499.4
5°	3070.8	3069.6	3039.4	3010.4	2936.1	2866.4	2853.6	2786.3	2692.2	2603.9	2515.6
7.5°	3391.4	3376.3	3346.1	3290.3	3182.3	3070.8	3060.4	2965.1	2831.6	2703.8	2577.2
10°	3663.1	3653.8	3614.3	3529.6	3403.0	3276.4	3263.6	3146.3	2995.3	2838.5	2677.1
12.5°	3874.5	3867.5	3815.3	3709.6	3574.9	3443.6	3426.2	3321.7	3160.2	2984.9	2794.4
15°	4003.4	3999.9	3936.1	3823.4	3691.0	3577.2	3562.1	3470.3	3320.5	3137.0	2922.1
17.5°	4033.6	4034.8	3968.6	3854.8	3745.6	3664.3	3652.7	3583.0	3457.6	3275.2	3049.9
20°	3966.3	3980.2	3921.0	3822.2	3754.9	3711.9	3702.6	3660.8	3555.1	3383.2	3152.1
22.5°	3871.0	3878.0	3837.3	3771.1	3743.3	3751.4	3746.8	3723.5	3634.1	3476.1	3253.1
25°	3813.0	3813.0	3788.6	3732.8	3751.4	3801.3	3802.5	3797.9	3727.0	3590.0	3376.3
27.5°	3810.6	3803.7	3775.8	3734.0	3785.1	3861.7	3866.4	3897.7	3853.6	3728.2	3529.6
30°	3903.5	3895.4	3836.2	3781.6	3846.6	3929.1	3940.7	4009.2	3987.2	3878.0	3700.3
32.5°	4120.7	4091.7	3960.5	3871.0	3919.8	4018.5	4033.6	4142.8	4177.6	4062.7	3865.2
35°	4418.1	4326.3	4137.0	4040.6	4045.2	4148.6	4162.5	4322.8	4426.2	4232.2	3993.0
37.5°	4828.0	4782.7	4475.0	4217.1	4238.0	4394.8	4435.5	4609.7	4580.7	4325.1	4138.2
40°	5727.0	5656.1	5328.6	4711.9	4422.7	4594.6	4607.4	4700.3	4702.6	4535.4	4440.1
42.5°	6951.1	6922.1	6577.1	5609.7	4786.2	4728.2	4751.4	4908.2	5083.5	4979.0	4974.4
45°	8306.5	8291.4	7925.6	6801.3	5521.4	5166.0	5195.0	5405.3	5740.9	5764.1	5911.6
47.5°	9397.1	9390.1	9179.9	8131.1	6646.8	5908.2	5917.5	6140.4	6730.4	7022.0	7257.7
50°	10391.3	10424.9	10258.9	9570.1	8179.9	7070.7	7048.7	7197.3	8145.1	8622.4	8915.1
52.5°	11773.3	11821.0	11355.2	10912.7	9788.5	8513.2	8495.8	8651.4	9845.4	10203.1	10255.4
55°	12994.0	12912.7	12544.5	12416.8	11750.1	10294.9	10290.2	10427.3	11490.0	11642.1	11738.5
57.5°	13532.9	13501.5	13679.2	13971.9	13804.7	12400.5	12390.1	12285.5	12961.5	12977.7	13273.9
60°	13873.2	13911.5	14456.2	15358.7	15775.6	14666.5	14599.1	13961.5	14366.8	14330.8	14647.9
62.5°	13617.7	13693.2	14673.4	16177.5	17250.6	16644.4	16549.1	15496.9	15567.7	15443.4	15738.4
65°	12261.1	12378.4	13984.7	16023.0	17982.3	18190.2	18093.8	16852.3	16521.2	16316.8	16153.1
67.5°	9955.7	10025.4	11702.5	14679.2	17652.5	19112.4	19092.6	18040.4	17241.3	16169.3	14898.7
69°	8227.5	8296.0	9910.4	13264.6	16926.6	19309.8	19348.2	18421.3	17104.3	15272.7	13200.7
70°	6968.5	7041.7	8545.8	12052.1	16084.6	19218.1	19286.6	18385.3	16711.7	14234.4	11710.6
72.5°	3655.0	3717.7	5261.2	8303.0	13112.5	17646.7	17854.6	16831.3	14165.9	10337.8	6924.4
75°	1148.6	1184.7	2054.6	4340.2	8977.8	13721.1	13768.7	13203.1	10059.1	5686.3	2883.8
77.5°	437.9	427.4	684.1	1599.3	4538.8	8639.8	8931.3	8250.8	5278.7	2010.4	665.5
80°	235.8	236.9	355.4	662.0	1941.9	4440.1	4686.3	3998.8	1875.7	627.2	153.3
82.5°	102.2	106.9	199.8	350.7	892.0	1637.6	1760.7	1465.7	716.6	421.6	56.9
85°	22.1	24.4	96.4	190.5	363.5	459.9	482.0	475.0	456.4	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°	2482.0	2482.0	2482.0	2482.0	2482.0	2482.0	2482.0	2482.0	2482.0	2482.0	2482.0
2.5°	2484.3	2463.4	2427.4	2387.9	2360.0	2331.0	2307.7	2297.3	2285.7	2277.6	2288.0
5°	2479.6	2439.0	2369.3	2301.9	2253.2	2213.7	2181.2	2168.4	2155.6	2146.3	2145.1
7.5°	2520.3	2463.4	2356.5	2257.8	2182.3	2128.9	2084.8	2066.2	2051.1	2044.1	2038.3
10°	2598.1	2524.9	2382.1	2253.2	2155.6	2065.0	1969.8	1896.6	1849.0	1826.9	1818.8
12.5°	2699.1	2607.4	2430.9	2277.6	2135.9	1961.6	1759.6	1585.3	1472.7	1435.5	1413.5
15°	2817.6	2703.8	2494.7	2308.9	2063.8	1745.6	1403.0	1175.4	1070.8	1049.9	1026.7
17.5°	2931.4	2806.0	2571.4	2314.7	1905.9	1394.9	1027.9	873.4	832.7	846.7	850.2
20°	3031.3	2907.0	2646.9	2263.6	1619.0	1046.4	795.6	757.2	772.3	799.1	803.7
22.5°	3132.4	3004.6	2716.6	2128.9	1252.0	794.4	716.6	725.9	741.0	767.7	772.3
25°	3255.5	3123.1	2781.6	1881.5	939.6	675.9	680.6	694.5	709.6	734.0	736.3
27.5°	3397.2	3272.9	2824.6	1559.8	696.9	621.4	636.5	657.4	672.5	695.7	700.3
30°	3585.3	3470.3	2838.5	1226.5	584.2	572.6	579.6	605.1	627.2	648.1	651.6
32.5°	3761.9	3665.5	2792.1	925.7	541.2	527.3	527.3	542.4	567.9	587.7	592.3
35°	3924.4	3861.7	2643.4	677.1	508.7	485.5	473.9	473.9	490.1	506.4	511.0
37.5°	4139.3	4137.0	2403.0	540.1	477.3	450.6	426.2	407.7	401.9	405.3	407.7
40°	4507.5	4511.0	2089.4	484.3	450.6	414.6	377.5	343.8	312.4	302.0	300.8
42.5°	5082.4	5030.1	1760.7	457.6	427.4	377.5	321.7	276.4	227.6	212.5	211.4
45°	5995.3	5685.2	1412.3	433.2	403.0	335.7	266.0	204.4	164.9	153.3	153.3
47.5°	7325.1	6545.8	1094.1	406.5	370.5	288.0	200.9	147.5	120.8	115.0	116.1
50°	8700.2	7389.0	838.5	372.8	331.0	238.1	148.7	106.9	91.8	91.8	92.9
52.5°	9919.7	8006.9	653.9	336.8	282.2	187.0	112.7	83.6	76.7	75.5	76.7
55°	11061.4	8405.2	500.6	295.0	224.2	139.4	85.9	68.5	63.9	61.6	60.4
57.5°	12162.4	8602.7	375.1	238.1	162.6	101.0	68.5	58.1	53.4	49.9	48.8
60°	12895.3	8442.4	257.8	175.4	112.7	73.2	56.9	49.9	44.1	40.6	39.5
62.5°	13308.7	8004.5	166.1	126.6	80.1	54.6	45.3	41.8	33.7	30.2	30.2
65°	13141.5	7282.1	116.1	90.6	58.1	40.6	33.7	33.7	24.4	19.7	18.6
67.5°	11645.6	6152.1	88.3	67.4	41.8	30.2	25.6	29.0	15.1	9.3	9.3
69°	10019.6	5098.6	75.5	55.7	34.8	24.4	22.1	26.7	10.5	7.0	5.8
70°	8708.4	4398.3	68.5	48.8	29.0	20.9	19.7	25.6	10.5	5.8	4.6
72.5°	5210.1	2452.9	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°	477.3	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)