

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: P483671

Luminaire Tested: **IFLD-S-SA6B-750-U-T4W-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483671
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-750-U-T4W-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W distribution lens with House Side Shield
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

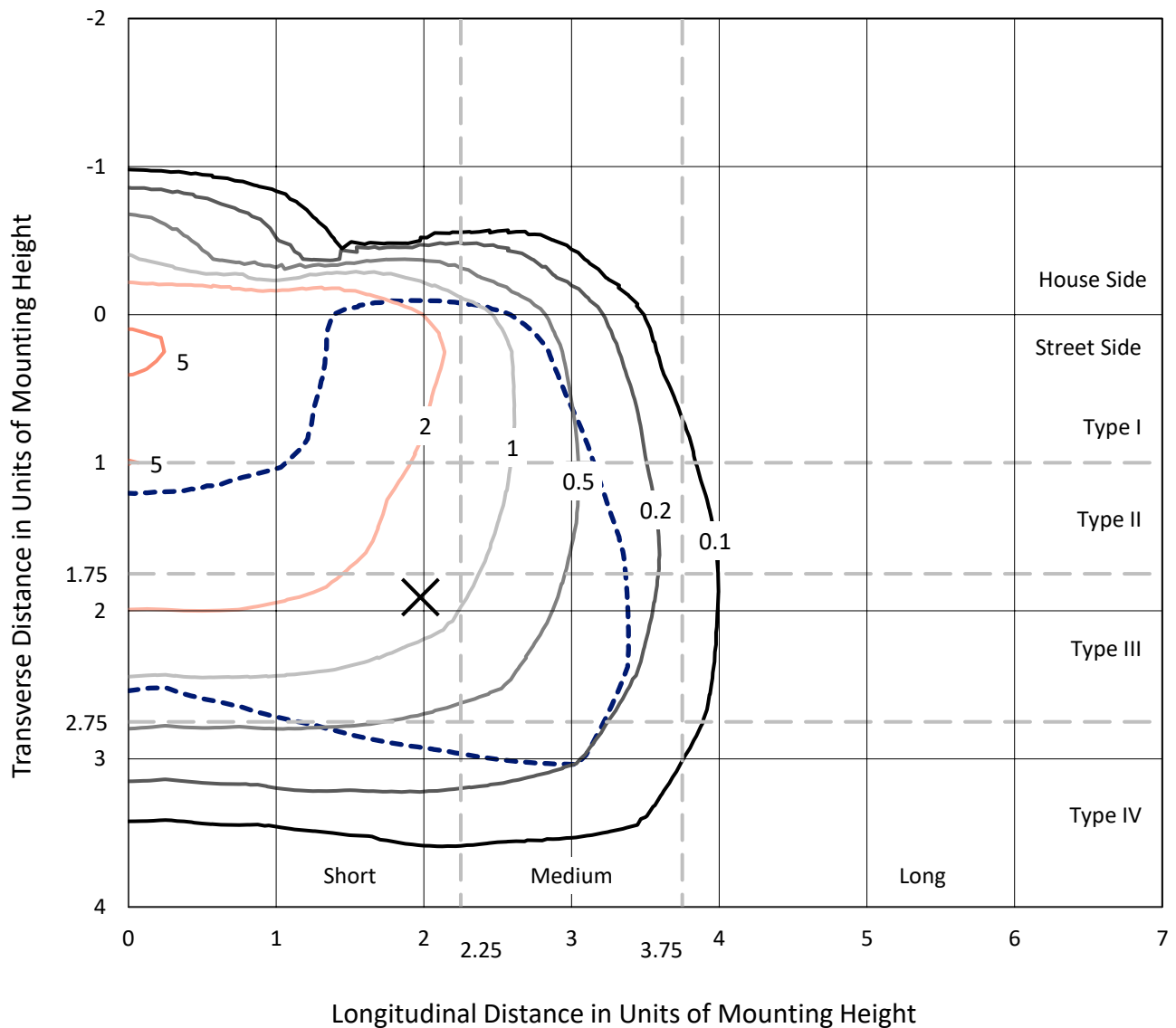
Lumens per Lamp: N/A
Luminaire Lumens: 25192.7 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 244.9
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

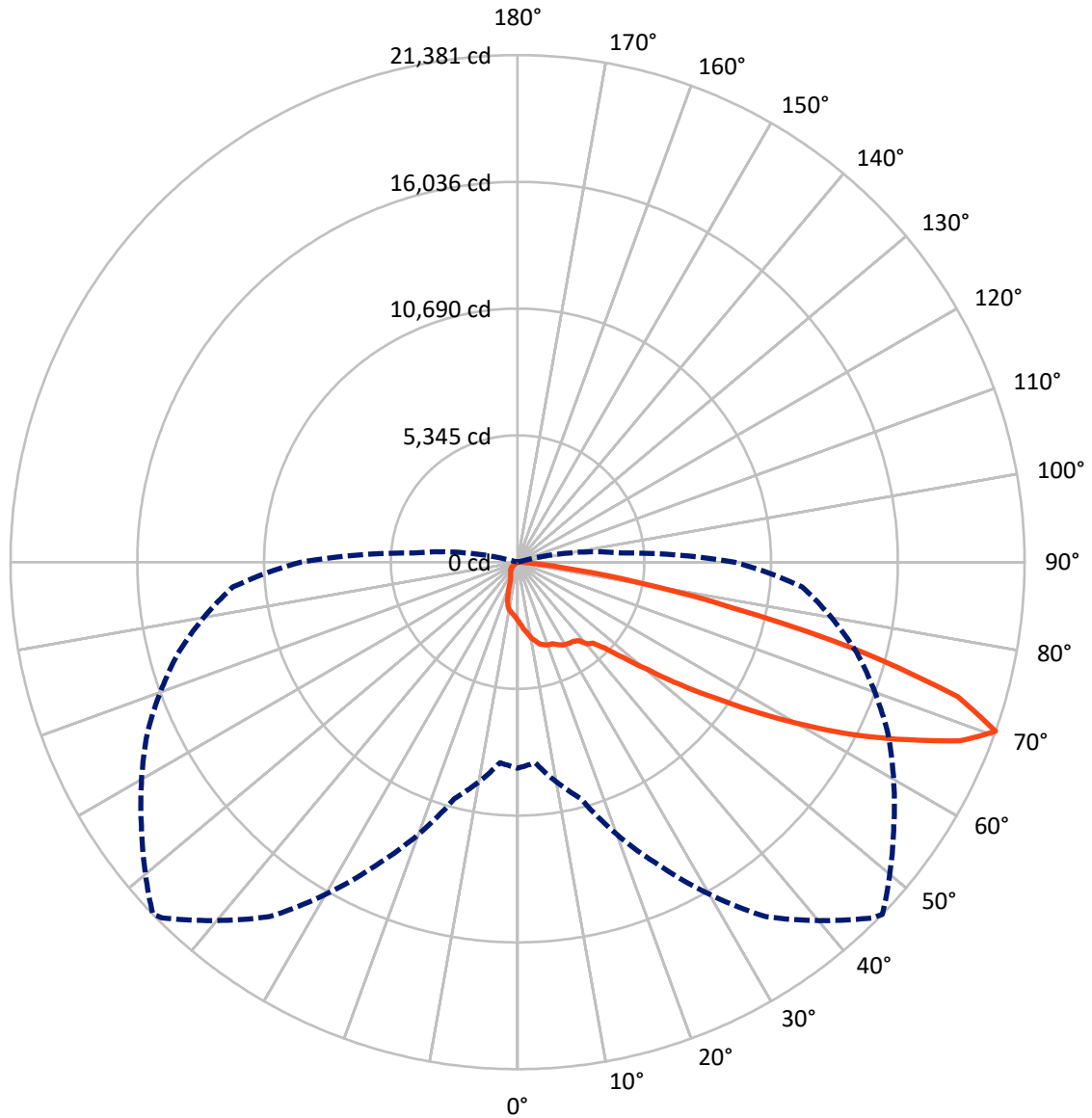
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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
House Side	Lumens	2506.7	0.0	2506.7
	% Fixture	10.0	0.0	10.0
Street Side	Lumens	22686.0	0.0	22686.0
	% Fixture	90.0	0.0	90.0
Total	Lumens	25192.7	0.0	25192.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.6	1.0
10°-20°	744.7	3.0
20°-30°	1192.9	4.7
30°-40°	1702.7	6.8
40°-50°	2940.0	11.7
50°-60°	5628.9	22.3
60°-70°	8335.6	33.1
70°-80°	4128.5	16.4
80°-90°	272.8	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°	25192.7	100.0
0°-180°	25192.7	100.0

Coefficient of Utilization



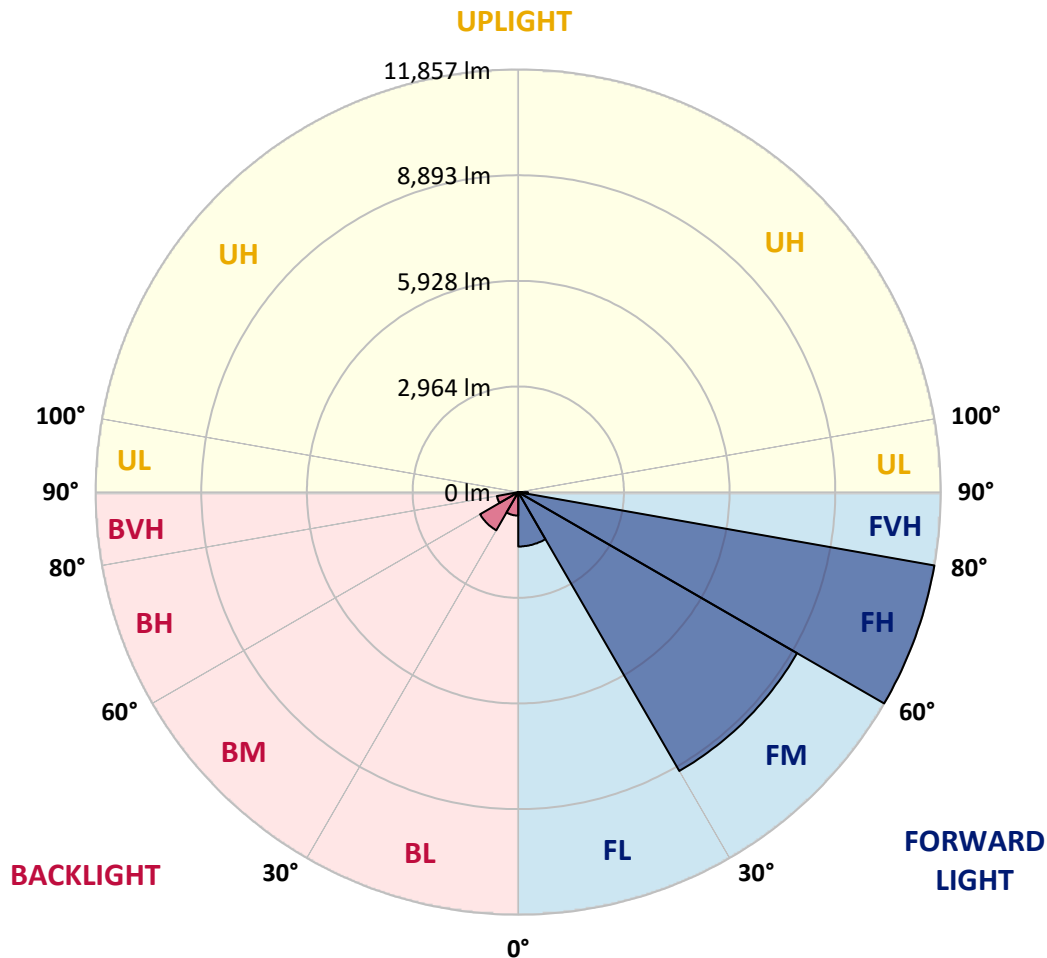
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1525.6	6.1			
FM (30°-60°)	9034.0	35.9			
FH (60°-80°)	11857.0	47.1			G4/12000
FVH (80°-90°)	269.3	1.1			G3/500
BL (0°-30°)	658.6	2.6	B2/1000		
BM (30°-60°)	1237.6	4.9	B2/2500		
BH (60°-80°)	607.1	2.4	B2/1000		G2/1000
BVH (80°-90°)	3.5	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°	2473.1	2473.1	2473.1	2473.1	2473.1	2473.1	2473.1	2473.1	2473.1	2473.1	2473.1
2.5°	2759.6	2741.5	2712.5	2701.6	2672.6	2658.1	2636.3	2625.4	2585.6	2545.7	2520.3
5°	3096.9	3053.3	3067.9	3024.3	2930.1	2853.9	2850.3	2766.9	2676.2	2603.7	2505.8
7.5°	3437.7	3401.5	3347.1	3285.4	3180.3	3067.9	3035.2	2955.4	2828.5	2701.6	2571.1
10°	3695.2	3669.8	3622.7	3535.6	3390.6	3263.7	3267.3	3133.1	2999.0	2853.9	2676.2
12.5°	3854.8	3865.6	3796.7	3709.7	3582.8	3423.2	3419.6	3328.9	3176.6	3024.3	2814.0
15°	4014.3	4054.2	3949.0	3847.5	3684.3	3568.3	3590.0	3481.3	3332.6	3158.5	2926.4
17.5°	4039.7	4050.6	4028.8	3880.1	3760.5	3662.6	3666.2	3593.7	3481.3	3292.7	3093.2
20°	3996.2	3988.9	3963.6	3854.8	3775.0	3717.0	3720.6	3702.5	3640.8	3488.5	3216.5
22.5°	3869.3	3869.3	3836.6	3764.1	3727.8	3782.2	3738.7	3807.6	3742.3	3651.7	3426.9
25°	3767.7	3807.6	3789.5	3742.3	3756.9	3829.4	3851.1	3916.4	3905.5	3793.1	3571.9
27.5°	3876.5	3829.4	3840.3	3785.9	3840.3	3949.0	3959.9	4007.1	4003.4	3912.8	3702.5
30°	3949.0	3992.6	3909.2	3789.5	3847.5	4032.5	4025.2	4086.8	4115.9	4007.1	3825.8
32.5°	4181.1	4144.9	4076.0	3916.4	3923.7	4028.8	4061.5	4141.2	4159.4	4094.1	3945.4
35°	4656.2	4601.8	4300.8	4061.5	4025.2	4076.0	4097.7	4253.7	4286.3	4213.8	4072.3
37.5°	5388.7	5265.4	4902.8	4373.3	4210.1	4199.3	4199.3	4406.0	4529.3	4362.4	4260.9
40°	6436.7	6262.6	5871.0	4949.9	4453.1	4496.6	4540.1	4652.5	4638.0	4529.3	4507.5
42.5°	7771.2	7637.0	7212.7	5918.1	4917.3	4699.7	4663.4	4815.7	5044.2	5000.7	4986.2
45°	8884.4	8891.7	8619.7	7245.4	5718.7	5167.5	5192.9	5308.9	5693.3	5660.7	5657.0
47.5°	9696.7	9595.2	9555.3	8525.4	6886.4	6055.9	6019.7	6099.4	6599.9	6806.6	6900.9
50°	10436.5	10367.6	10273.3	9769.3	8289.7	7169.2	7132.9	7140.2	7905.3	8195.4	8427.5
52.5°	11354.0	11441.0	11129.1	10820.9	10106.5	8616.1	8576.2	8434.8	9384.9	9783.8	10059.4
55°	12485.4	12322.2	11970.4	12130.0	11843.5	10179.0	10106.5	9939.7	11071.1	11237.9	11528.0
57.5°	12735.6	12612.3	12974.9	13540.6	13816.2	12013.9	11984.9	11684.0	12489.0	12336.7	13156.2
60°	13359.3	13391.9	13896.0	15020.2	15498.8	14131.7	13990.3	13460.8	13863.4	13892.4	14766.3
62.5°	14001.2	13925.0	15052.8	16133.4	16869.6	16137.1	16089.9	15038.3	15495.2	15125.3	16282.1
65°	13529.7	13645.8	15259.5	17069.0	18646.5	18098.9	18059.0	16557.7	16807.9	16347.4	16898.6
67.5°	11854.4	11618.7	13877.9	16641.1	19560.3	20155.0	20111.5	18214.9	17547.7	16340.1	15618.5
70°	8688.6	8485.6	10327.7	14091.8	18251.2	21206.6	21380.7	19368.1	17246.7	14817.1	12050.2
72.5°	4257.3	4260.9	5787.6	9555.3	14439.9	19328.2	19415.2	17758.0	14817.1	10922.4	6824.7
75°	1258.3	1272.8	2143.1	4685.2	9334.1	14679.3	14777.2	13479.0	10269.7	5642.5	2328.1
77.5°	460.5	460.5	710.8	1758.8	4656.2	9265.2	9258.0	8275.2	5200.1	1911.1	543.9
80°	239.3	250.2	369.9	718.0	2016.2	4826.6	5007.9	4050.6	1976.3	805.0	159.6
82.5°	97.9	108.8	203.1	369.9	968.2	1693.5	1853.0	1588.3	859.4	562.1	72.5
85°	29.0	32.6	97.9	206.7	380.8	424.3	471.4	533.1	540.3	435.2	32.6
87.5°	3.6	3.6	39.9	68.9	83.4	90.7	105.2	105.2	275.6	304.6	18.1
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°	2473.1	2473.1	2473.1	2473.1	2473.1	2473.1	2473.1	2473.1	2473.1	2473.1	2473.1
2.5°	2491.3	2473.1	2444.1	2378.9	2364.4	2317.2	2313.6	2270.1	2284.6	2255.6	2244.7
5°	2473.1	2433.3	2353.5	2302.7	2251.9	2219.3	2197.5	2179.4	2175.8	2161.3	2154.0
7.5°	2505.8	2451.4	2328.1	2248.3	2161.3	2132.3	2085.1	2081.5	2056.1	2030.7	2030.7
10°	2614.6	2516.7	2382.5	2248.3	2135.9	2041.6	1932.8	1853.0	1824.0	1758.8	1766.0
12.5°	2701.6	2614.6	2418.7	2280.9	2110.5	1896.6	1657.2	1472.3	1385.2	1301.8	1334.5
15°	2824.9	2698.0	2487.6	2288.2	2012.6	1642.7	1251.1	1044.4	964.6	946.5	942.8
17.5°	2959.1	2824.9	2574.7	2270.1	1813.2	1269.2	921.1	801.4	815.9	837.7	834.1
20°	3107.7	2944.6	2639.9	2208.4	1497.7	921.1	754.3	750.6	772.4	805.0	812.3
22.5°	3263.7	3122.2	2719.7	2023.5	1116.9	739.8	725.3	725.3	739.8	779.7	772.4
25°	3437.7	3249.2	2759.6	1737.0	801.4	681.7	689.0	703.5	710.8	743.4	747.0
27.5°	3571.9	3390.6	2770.5	1392.5	652.7	631.0	649.1	667.2	678.1	703.5	714.4
30°	3695.2	3568.3	2712.5	1037.1	598.3	587.5	594.7	620.1	641.9	663.6	663.6
32.5°	3851.1	3669.8	2578.3	736.1	565.7	547.6	543.9	554.8	580.2	605.6	605.6
35°	4010.7	3840.3	2364.4	591.1	536.7	511.3	496.8	485.9	496.8	514.9	529.4
37.5°	4242.8	4097.7	2096.0	543.9	514.9	478.7	449.7	424.3	406.1	402.5	413.4
40°	4572.8	4387.8	1751.5	511.3	489.6	446.0	402.5	359.0	319.1	293.7	297.4
42.5°	5073.2	4815.7	1378.0	493.2	471.4	409.8	348.1	286.5	235.7	210.3	210.3
45°	5787.6	5381.4	1011.7	475.0	449.7	366.3	286.5	214.0	163.2	148.7	152.3
47.5°	6864.6	6063.2	725.3	446.0	420.7	319.1	224.8	152.3	119.7	112.4	116.0
50°	8271.6	6871.8	565.7	413.4	384.4	268.3	166.8	112.4	94.3	90.7	94.3
52.5°	9747.5	7687.8	496.8	384.4	330.0	214.0	123.3	90.7	79.8	76.2	79.8
55°	11009.5	8213.6	431.5	340.9	264.7	159.6	97.9	79.8	68.9	58.0	58.0
57.5°	12285.9	8478.3	340.9	282.9	195.8	119.7	83.4	68.9	58.0	47.1	43.5
60°	13323.0	8666.9	243.0	210.3	137.8	94.3	72.5	61.6	47.1	36.3	32.6
62.5°	14004.8	8126.5	177.7	159.6	101.5	79.8	61.6	50.8	36.3	25.4	25.4
65°	13667.5	7379.5	137.8	112.4	76.2	61.6	50.8	36.3	25.4	14.5	10.9
67.5°	12264.2	6012.4	112.4	83.4	58.0	47.1	39.9	29.0	14.5	3.6	3.6
70°	9149.2	4406.0	90.7	61.6	47.1	36.3	29.0	18.1	7.3	3.6	0.0
72.5°	5004.3	2411.5	72.5	50.8	36.3	29.0	21.8	14.5	7.3	0.0	0.0
75°	1653.6	641.9	54.4	36.3	21.8	18.1	14.5	10.9	3.6	0.0	0.0
77.5°	398.9	166.8	43.5	32.6	18.1	10.9	7.3	3.6	3.6	0.0	0.0
80°	123.3	68.9	32.6	21.8	14.5	10.9	3.6	0.0	0.0	0.0	0.0
82.5°	50.8	32.6	14.5	14.5	10.9	3.6	0.0	0.0	0.0	0.0	0.0
85°	25.4	18.1	10.9	7.3	7.3	3.6	0.0	0.0	0.0	0.0	0.0
87.5°	18.1	7.3	3.6	3.6	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)