

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: P482501

Luminaire Tested: **IFLD-S-SA6B-750-U-T3-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P482501
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-T3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3 distribution lens with House Side Shield
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

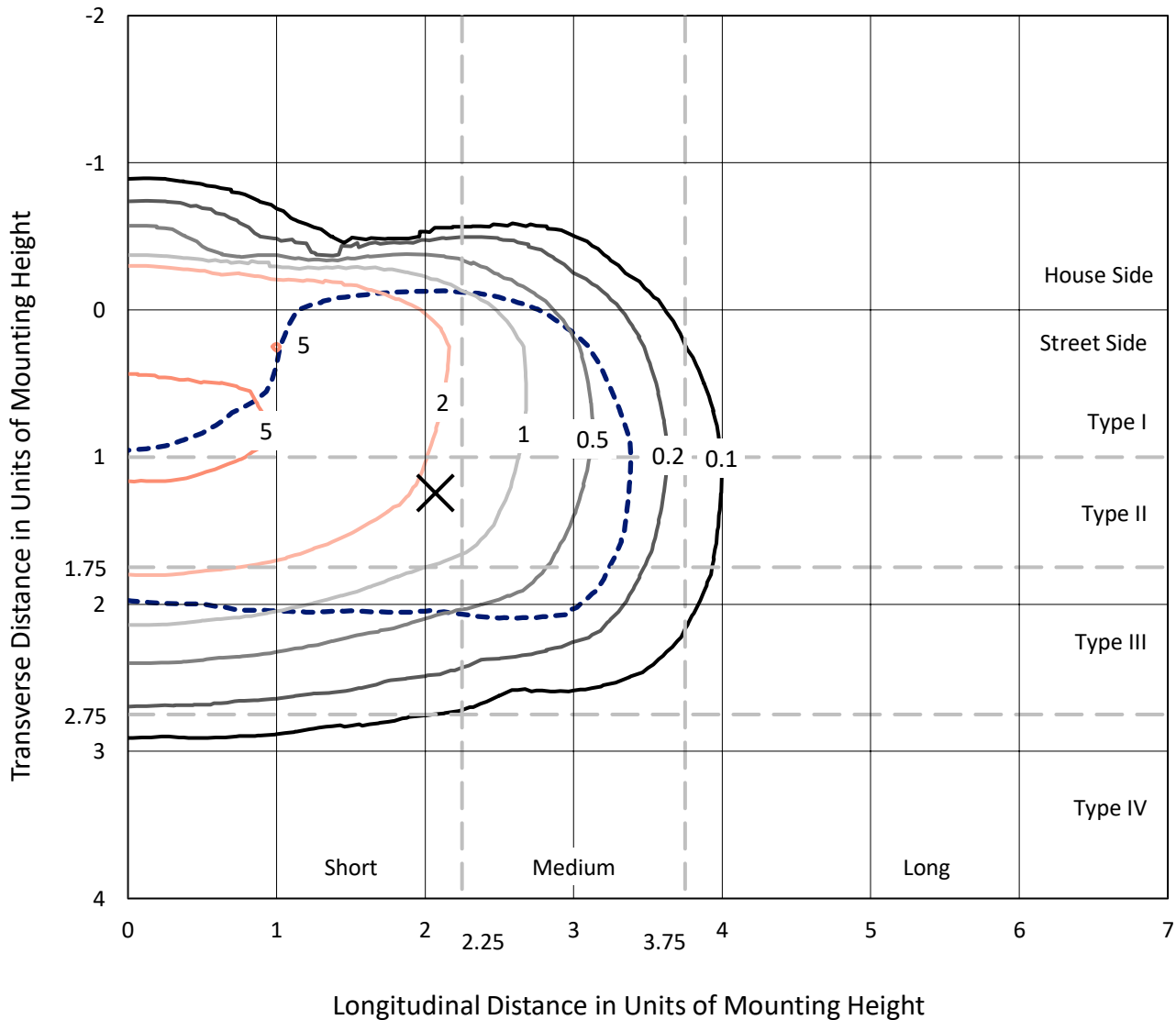
Lumens per Lamp: N/A
Luminaire Lumens: 25335.8 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

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

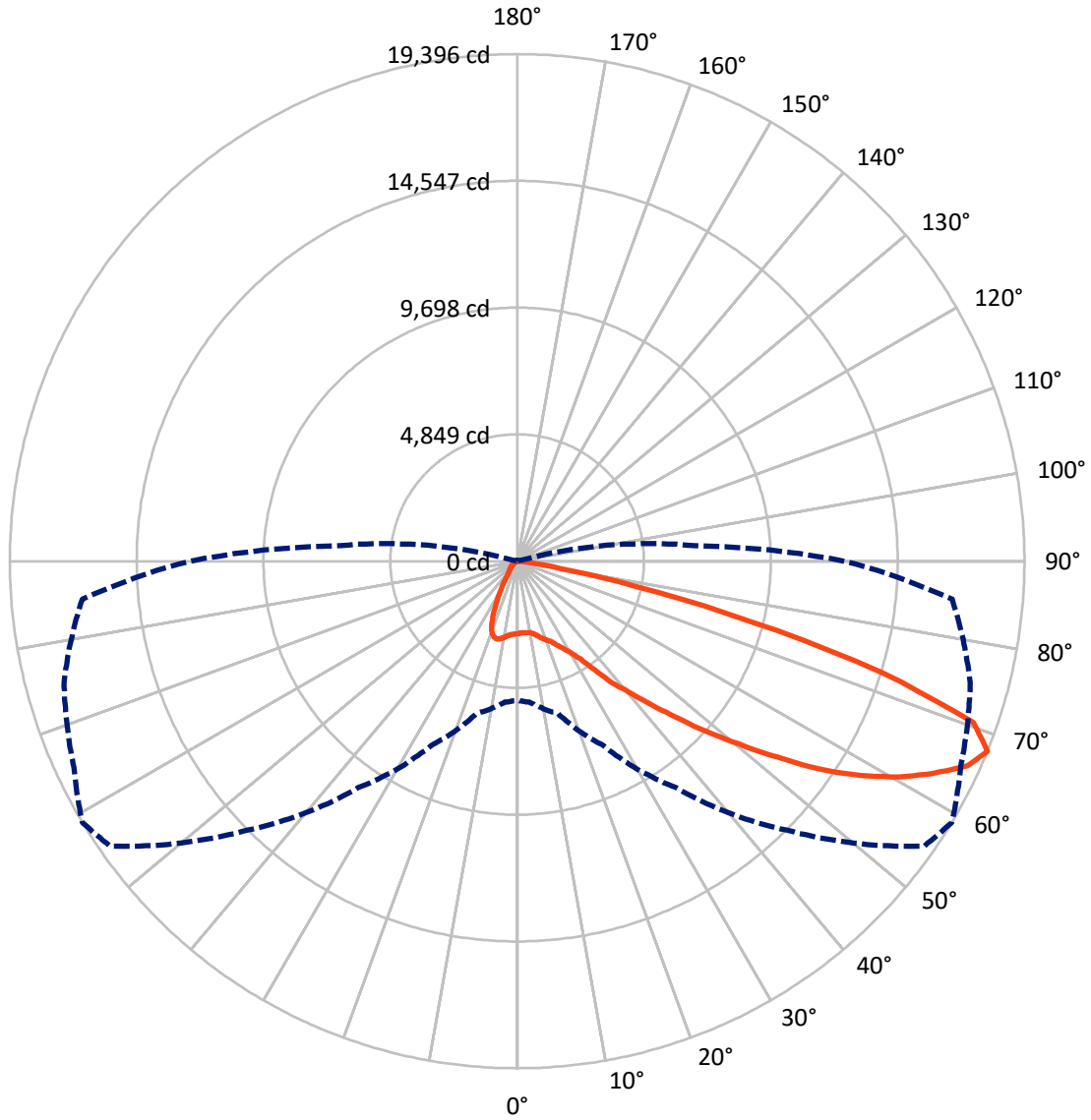
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2976.1	0.0	2976.1
	% Fixture	11.7	0.0	11.7
Street Side	Lumens	22359.6	0.0	22359.6
	% Fixture	88.3	0.0	88.3
Total	Lumens	25335.8	0.0	25335.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.0	1.0
10°-20°	762.5	3.0
20°-30°	1332.6	5.3
30°-40°	2346.3	9.3
40°-50°	4147.4	16.4
50°-60°	6566.9	25.9
60°-70°	7284.5	28.8
70°-80°	2527.5	10.0
80°-90°	104.1	0.4
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°	25335.8	100.0
0°-180°	25335.8	100.0

Coefficient of Utilization

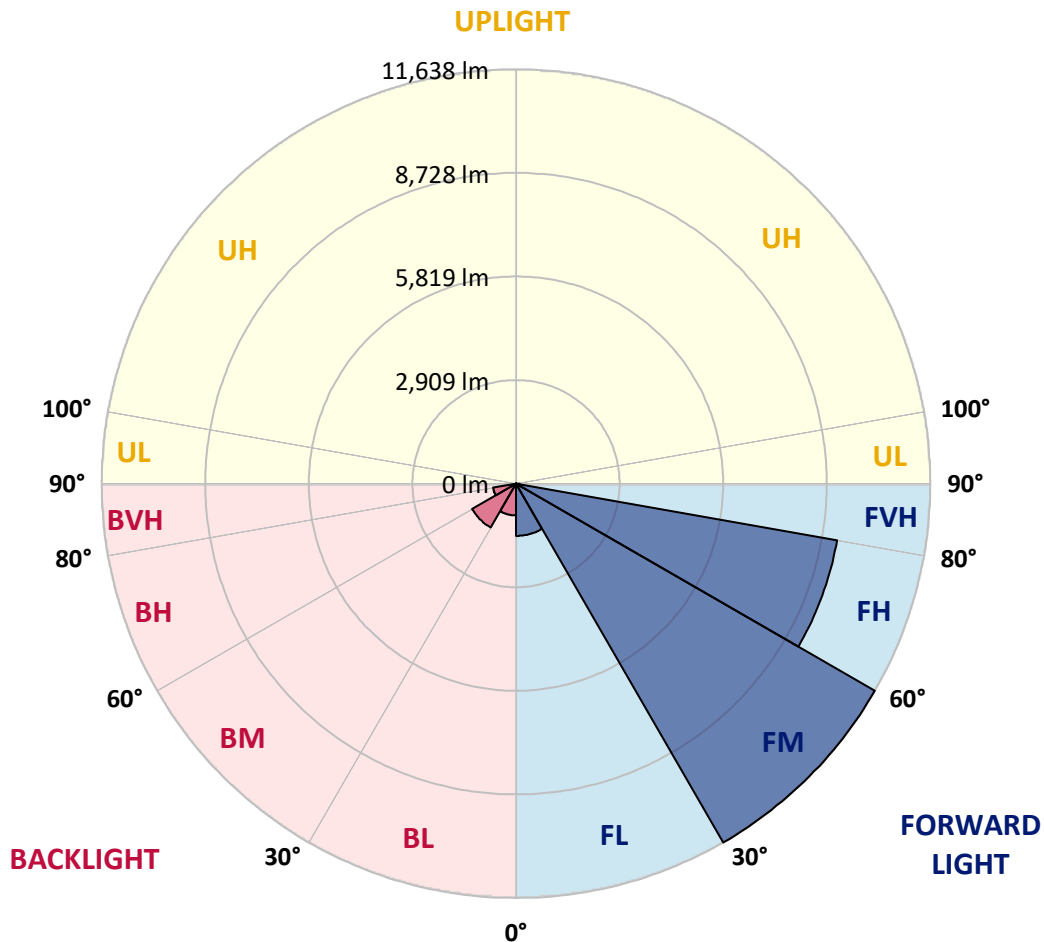


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1467.1	5.8			
FM (30°-60°)	11637.6	45.9			
FH (60°-80°)	9157.5	36.1			G4/12000
FVH (80°-90°)	97.4	0.4			G1/100
BL (0°-30°)	892.0	3.5	B2/1000		
BM (30°-60°)	1422.9	5.6	B2/2500		
BH (60°-80°)	654.5	2.6	B2/1000		G2/1000
BVH (80°-90°)	6.7	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2778.9	2778.9	2778.9	2778.9	2778.9	2778.9	2778.9	2778.9	2778.9	2778.9	2778.9
2.5°	2698.4	2659.9	2694.9	2698.4	2701.9	2733.4	2768.4	2743.9	2740.4	2768.4	2792.9
5°	2589.9	2572.4	2614.4	2635.4	2670.4	2698.4	2754.4	2757.9	2761.4	2792.9	2834.9
7.5°	2544.4	2502.4	2551.4	2575.9	2600.4	2666.9	2733.4	2768.4	2817.4	2855.9	2897.9
10°	2453.4	2484.9	2498.9	2540.9	2610.9	2687.9	2768.4	2785.9	2894.4	2925.9	3027.4
12.5°	2484.9	2505.9	2533.9	2544.4	2621.4	2736.9	2845.4	2852.4	2964.4	3100.9	3153.4
15°	2565.4	2551.4	2561.9	2575.9	2666.9	2761.4	2936.4	2967.9	3072.9	3226.9	3356.3
17.5°	2736.9	2712.4	2694.9	2691.4	2712.4	2799.9	3006.4	3100.9	3198.9	3408.8	3475.3
20°	3167.4	3146.4	3076.4	2894.4	2831.4	2866.4	3090.4	3223.4	3359.8	3594.3	3702.8
22.5°	3821.8	3842.8	3678.3	3422.8	3160.4	3023.9	3223.4	3338.8	3555.8	3853.3	3951.3
25°	4595.3	4553.3	4353.8	4056.3	3643.3	3321.3	3436.8	3566.3	3832.3	4077.3	4115.8
27.5°	5200.8	5151.8	4997.8	4637.3	4280.3	3758.8	3716.8	3797.3	4112.3	4332.8	4290.8
30°	5799.2	5816.7	5711.7	5284.8	4843.8	4294.3	4028.3	4063.3	4304.8	4588.3	4493.8
32.5°	6562.2	6520.2	6460.7	6086.2	5564.7	4976.8	4521.8	4465.8	4570.8	4945.3	4833.3
35°	7272.7	7248.2	7167.7	6789.7	6334.7	5694.2	5249.8	5123.8	5099.3	5515.8	5319.8
37.5°	7892.1	7850.1	7727.7	7486.2	7045.2	6506.2	6019.7	5907.7	5904.2	6191.2	5813.2
40°	8413.6	8445.1	8431.1	8165.1	7923.6	7493.2	6747.7	6569.2	6555.2	6709.2	6488.7
42.5°	9089.1	9162.6	9124.1	9071.6	8781.1	8613.1	7769.6	7496.7	7374.2	7689.2	7489.7
45°	10111.0	10139.0	10163.5	10034.0	9743.6	9778.6	8826.6	8501.1	8469.6	8938.6	8490.6
47.5°	11066.5	10993.0	11164.5	11171.5	11157.5	10996.5	9967.5	9726.1	9768.1	10125.0	9663.1
50°	11304.5	11493.5	11966.0	12053.5	12280.9	12427.9	11234.5	10993.0	11063.0	11469.0	10940.5
52.5°	11490.0	11777.0	12249.4	12889.9	13502.4	13852.4	12651.9	12455.9	12452.4	12700.9	11973.0
55°	11815.5	11990.5	12399.9	13281.9	14447.3	15021.3	14359.9	14044.9	13761.4	13936.4	13043.9
57.5°	11784.0	11850.5	12487.4	13575.9	15196.3	16239.3	15763.3	15462.3	15098.3	14996.8	14275.9
60°	11231.0	11388.5	12102.5	13376.4	15658.3	17187.7	17072.2	16764.2	16137.8	15899.8	15220.8
62.5°	10135.5	10345.5	10905.5	12676.4	14986.3	17236.7	17975.2	17859.7	17159.7	16732.7	16452.8
65°	8214.1	8312.1	8956.1	10898.5	13467.4	16484.3	19042.6	18899.1	18255.2	17618.2	17086.2
67.5°	5319.8	5414.3	6033.7	7780.1	10576.5	14541.8	19000.6	19396.1	18699.7	17933.2	16690.7
70°	2512.9	2488.4	3065.9	4322.3	6775.7	11105.0	17716.2	18496.7	17905.2	16256.8	13862.9
72.5°	766.5	833.0	1273.9	1914.4	3478.8	6926.2	13887.4	14618.8	14433.3	12987.9	9253.6
75°	339.5	367.5	500.5	784.0	1410.4	2841.9	8578.1	9229.1	9148.6	7661.2	4224.3
77.5°	217.0	238.0	315.0	448.0	640.5	903.0	3951.3	4584.8	4444.8	2691.4	1105.9
80°	154.0	164.5	224.0	308.0	402.5	371.0	1361.4	1616.9	1550.4	731.5	297.5
82.5°	84.0	91.0	164.5	227.5	269.5	189.0	381.5	476.0	497.0	325.5	143.5
85°	31.5	38.5	101.5	161.0	140.0	87.5	112.0	136.5	178.5	178.5	66.5
87.5°	0.0	3.5	42.0	70.0	35.0	24.5	31.5	38.5	49.0	84.0	24.5
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°	2778.9	2778.9	2778.9	2778.9	2778.9	2778.9	2778.9	2778.9	2778.9	2778.9	2778.9
2.5°	2810.4	2785.9	2796.4	2813.9	2775.4	2796.4	2754.4	2785.9	2796.4	2754.4	2775.4
5°	2845.4	2869.9	2855.9	2827.9	2803.4	2810.4	2799.9	2775.4	2796.4	2803.4	2789.4
7.5°	2946.9	2918.9	2925.9	2894.4	2845.4	2841.9	2775.4	2757.9	2764.9	2771.9	2747.4
10°	3041.4	3058.9	3023.9	2999.4	2918.9	2866.4	2775.4	2677.4	2666.9	2624.9	2659.9
12.5°	3209.4	3167.4	3153.4	3072.9	2992.4	2817.4	2621.4	2470.9	2344.9	2299.4	2253.9
15°	3349.3	3342.3	3317.8	3195.4	3009.9	2691.4	2320.4	1970.4	1728.9	1578.4	1557.4
17.5°	3541.8	3510.3	3464.8	3272.4	2880.4	2362.4	1728.9	1287.9	1046.5	952.0	917.0
20°	3688.8	3664.3	3601.3	3254.9	2645.9	1760.4	1071.0	819.0	759.5	742.0	745.5
22.5°	3902.3	3825.3	3706.3	3167.4	2218.9	1172.4	770.0	731.5	721.0	707.0	710.5
25°	4087.8	4017.8	3769.3	3016.9	1581.9	777.0	714.0	693.0	675.5	658.0	654.5
27.5°	4252.3	4164.8	3835.8	2708.9	990.5	668.5	661.5	637.0	602.0	574.0	563.5
30°	4413.3	4311.8	3853.3	2131.4	668.5	605.5	588.0	549.5	504.0	465.5	458.5
32.5°	4682.8	4560.3	3828.8	1522.4	577.5	539.0	500.5	455.0	388.5	357.0	350.0
35°	5102.8	4917.3	3797.3	896.0	518.0	476.0	416.5	357.0	308.0	276.5	269.5
37.5°	5585.7	5263.8	3706.3	598.5	476.0	420.0	343.0	283.5	241.5	217.0	210.0
40°	6303.2	5771.2	3356.3	490.0	423.5	357.0	276.5	224.0	192.5	175.0	168.0
42.5°	7094.2	6352.2	2817.4	441.0	374.5	304.5	220.5	182.0	157.5	140.0	140.0
45°	8042.6	6957.7	2173.4	402.5	332.5	252.0	182.0	147.0	126.0	112.0	105.0
47.5°	9099.6	7507.2	1466.4	364.0	280.0	206.5	150.5	112.0	91.0	80.5	80.5
50°	10044.5	7993.6	934.5	318.5	245.0	171.5	122.5	91.0	73.5	59.5	56.0
52.5°	10902.0	8364.6	644.0	280.0	210.0	140.0	101.5	73.5	56.0	45.5	45.5
55°	11780.5	8553.6	476.0	241.5	182.0	119.0	84.0	66.5	49.0	38.5	35.0
57.5°	12501.4	8634.1	364.0	210.0	154.0	94.5	73.5	56.0	42.0	31.5	28.0
60°	13117.4	8595.6	283.5	175.0	122.5	80.5	63.0	45.5	35.0	24.5	21.0
62.5°	13477.9	8364.6	224.0	150.5	98.0	70.0	52.5	38.5	24.5	17.5	14.0
65°	13484.9	7874.6	175.0	112.0	73.5	59.5	45.5	31.5	17.5	7.0	3.5
67.5°	12518.9	6814.2	140.0	87.5	59.5	45.5	35.0	24.5	7.0	0.0	0.0
70°	9792.6	5155.3	115.5	70.0	49.0	38.5	24.5	14.0	3.5	0.0	0.0
72.5°	6240.2	3086.9	94.5	56.0	42.0	28.0	17.5	10.5	0.0	0.0	0.0
75°	2610.9	952.0	73.5	49.0	31.5	21.0	14.0	3.5	0.0	0.0	0.0
77.5°	672.0	301.0	59.5	42.0	31.5	17.5	10.5	3.5	0.0	0.0	0.0
80°	199.5	112.0	49.0	35.0	24.5	14.0	7.0	3.5	0.0	0.0	0.0
82.5°	91.0	66.5	42.0	31.5	21.0	14.0	7.0	0.0	0.0	0.0	0.0
85°	35.0	21.0	21.0	17.5	17.5	10.5	3.5	0.0	0.0	0.0	0.0
87.5°	14.0	7.0	7.0	7.0	3.5	3.5	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)