

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: P482385

Luminaire Tested: **IFLD-S-SA6C-730-U-T3-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482385
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-730-U-T3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3
distribution lens with House Side Shield
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

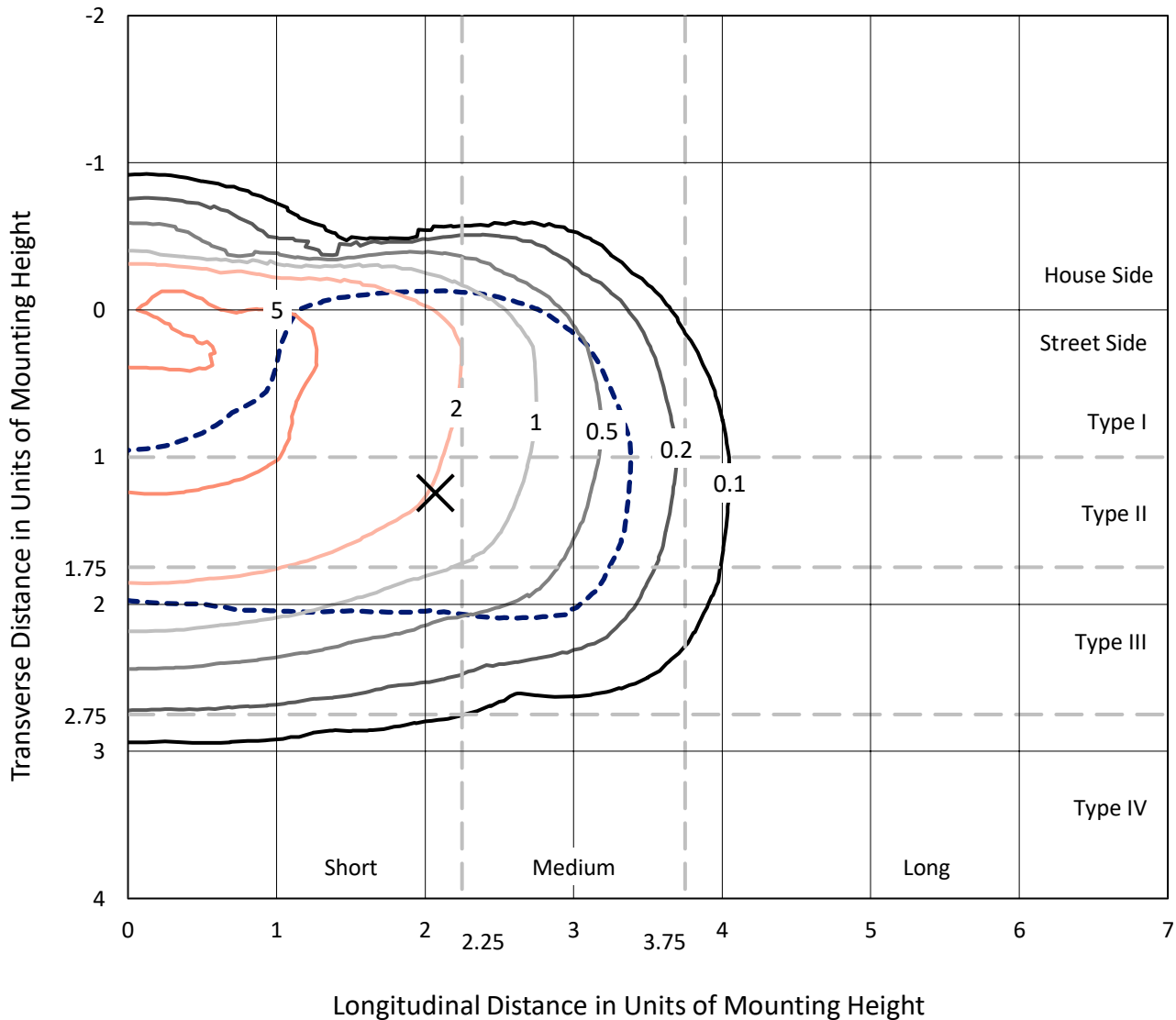
Lumens per Lamp: N/A
Luminaire Lumens: 28076 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 321.5
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

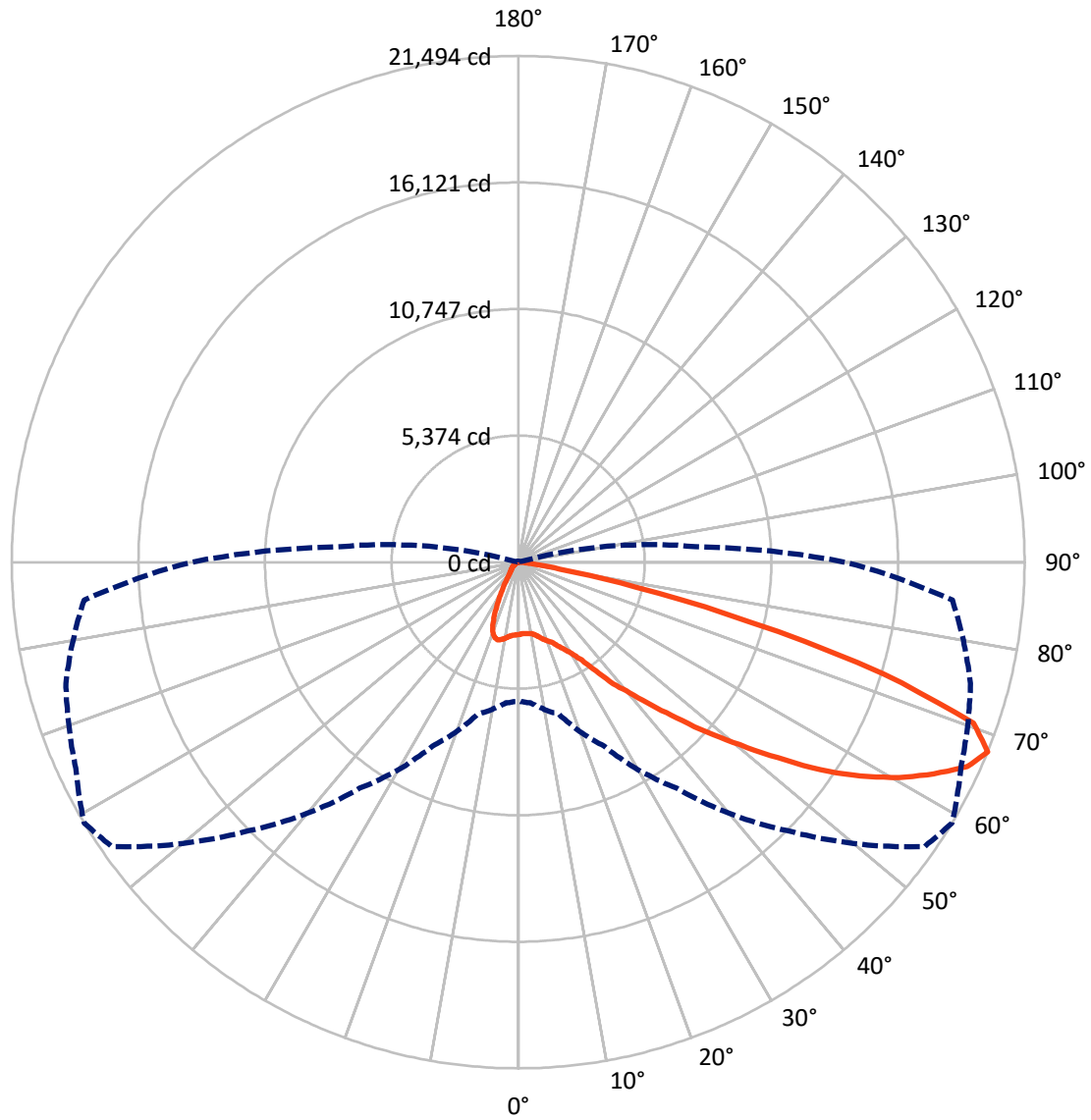
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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	3298.0	0.0	3298.0
	% Fixture	11.7	0.0	11.7
Street Side	Lumens	24778.0	0.0	24778.0
	% Fixture	88.3	0.0	88.3
Total	Lumens	28076.0	0.0	28076.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.5	1.0
10°-20°	844.9	3.0
20°-30°	1476.8	5.3
30°-40°	2600.0	9.3
40°-50°	4596.0	16.4
50°-60°	7277.1	25.9
60°-70°	8072.3	28.8
70°-80°	2800.9	10.0
80°-90°	115.3	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°	28076.0	100.0
0°-180°	28076.0	100.0

Coefficient of Utilization

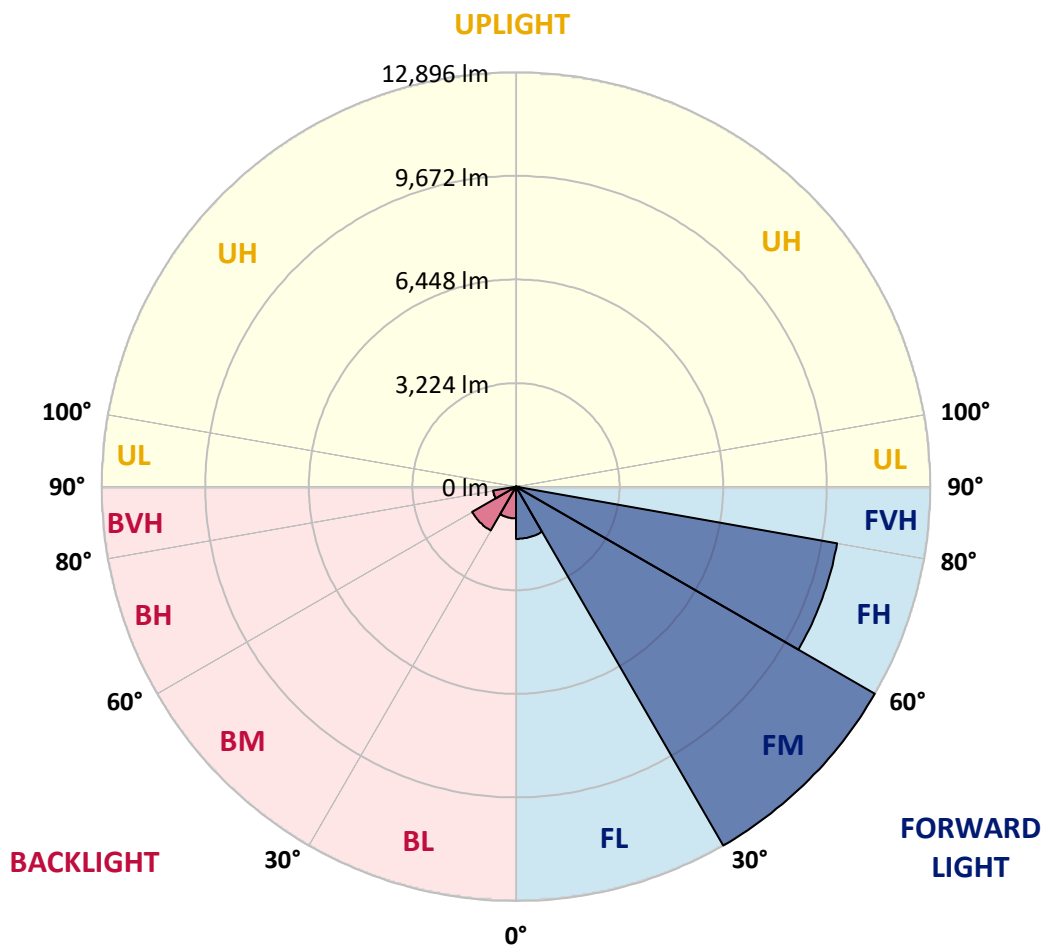


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1625.8	5.8			
FM (30°-60°)	12896.4	45.9			
FH (60°-80°)	10148.0	36.1			G4/12000
FVH (80°-90°)	107.9	0.4			G2/225
BL (0°-30°)	988.4	3.5	B2/1000		
BM (30°-60°)	1576.8	5.6	B2/2500		
BH (60°-80°)	725.3	2.6	B2/1000		G2/1000
BVH (80°-90°)	7.5	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4
2.5°	2990.2	2947.6	2986.4	2990.2	2994.1	3029.0	3067.8	3040.7	3036.8	3067.8	3095.0
5°	2870.0	2850.6	2897.2	2920.4	2959.2	2990.2	3052.3	3056.2	3060.0	3095.0	3141.5
7.5°	2819.6	2773.0	2827.3	2854.5	2881.6	2955.3	3029.0	3067.8	3122.1	3164.8	3211.3
10°	2718.7	2753.7	2769.2	2815.7	2893.3	2978.6	3067.8	3087.2	3207.4	3242.3	3354.8
12.5°	2753.7	2776.9	2807.9	2819.6	2904.9	3032.9	3153.1	3160.9	3285.0	3436.2	3494.4
15°	2842.9	2827.3	2839.0	2854.5	2955.3	3060.0	3254.0	3288.9	3405.2	3575.9	3719.4
17.5°	3032.9	3005.7	2986.4	2982.5	3005.7	3102.7	3331.5	3436.2	3544.8	3777.5	3851.2
20°	3509.9	3486.7	3409.1	3207.4	3137.6	3176.4	3424.6	3572.0	3723.2	3983.1	4103.3
22.5°	4235.2	4258.5	4076.2	3793.1	3502.2	3350.9	3572.0	3700.0	3940.4	4270.1	4378.7
25°	5092.3	5045.8	4824.7	4495.0	4037.4	3680.6	3808.6	3952.1	4246.8	4518.3	4561.0
27.5°	5763.3	5709.0	5538.3	5138.9	4743.3	4165.4	4118.8	4208.0	4557.1	4801.4	4754.9
30°	6426.5	6445.9	6329.5	5856.4	5367.7	4758.8	4464.0	4502.8	4770.4	5084.6	4979.8
32.5°	7272.0	7225.4	7159.5	6744.5	6166.6	5515.1	5010.9	4948.8	5065.2	5480.2	5356.0
35°	8059.3	8032.1	7942.9	7524.1	7019.9	6310.1	5817.6	5678.0	5650.8	6112.3	5895.1
37.5°	8745.8	8699.2	8563.5	8295.9	7807.2	7209.9	6670.8	6546.7	6542.8	6860.9	6442.0
40°	9323.6	9358.5	9343.0	9048.3	8780.7	8303.6	7477.5	7279.7	7264.2	7434.9	7190.5
42.5°	10072.2	10153.6	10110.9	10052.8	9730.9	9544.7	8610.0	8307.5	8171.8	8520.8	8299.7
45°	11204.7	11235.7	11262.8	11119.3	10797.4	10836.2	9781.3	9420.6	9385.7	9905.4	9409.0
47.5°	12263.5	12182.0	12372.0	12379.8	12364.3	12185.9	11045.6	10778.0	10824.6	11220.2	10708.2
50°	12527.2	12736.6	13260.2	13357.2	13609.2	13772.1	12449.6	12182.0	12259.6	12709.5	12123.8
52.5°	12732.7	13050.8	13574.3	14284.1	14962.8	15350.6	14020.4	13803.2	13799.3	14074.7	13268.0
55°	13093.4	13287.3	13741.1	14718.5	16010.0	16646.0	15913.0	15564.0	15249.8	15443.7	14454.7
57.5°	13058.5	13132.2	13838.1	15044.3	16839.9	17995.7	17468.2	17134.7	16731.3	16618.9	15819.9
60°	12445.7	12620.3	13411.5	14823.2	17351.9	19046.7	18918.8	18577.5	17883.2	17619.5	16867.1
62.5°	11231.8	11464.5	12085.0	14047.5	16607.2	19101.0	19919.4	19791.4	19015.7	18542.6	18232.3
65°	9102.6	9211.2	9924.8	12077.3	14924.0	18267.2	21102.3	20943.3	20229.7	19523.8	18934.3
67.5°	5895.1	5999.9	6686.3	8621.6	11720.5	16114.7	21055.7	21494.0	20722.2	19872.8	18496.0
70°	2784.7	2757.5	3397.5	4789.8	7508.6	12306.1	19632.4	20497.3	19841.8	18015.1	15362.3
72.5°	849.4	923.1	1411.7	2121.5	3855.1	7675.3	15389.4	16200.0	15994.5	14392.7	10254.4
75°	376.2	407.2	554.6	868.8	1563.0	3149.2	9505.9	10227.3	10138.1	8489.8	4681.2
77.5°	240.5	263.7	349.1	496.4	709.7	1000.6	4378.7	5080.7	4925.5	2982.5	1225.6
80°	170.6	182.3	248.2	341.3	446.0	411.1	1508.7	1791.8	1718.1	810.6	329.7
82.5°	93.1	100.8	182.3	252.1	298.6	209.4	422.7	527.5	550.7	360.7	159.0
85°	34.9	42.7	112.5	178.4	155.1	97.0	124.1	151.3	197.8	197.8	73.7
87.5°	0.0	3.9	46.5	77.6	38.8	27.1	34.9	42.7	54.3	93.1	27.1
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°	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4
2.5°	3114.3	3087.2	3098.8	3118.2	3075.6	3098.8	3052.3	3087.2	3098.8	3052.3	3075.6
5°	3153.1	3180.3	3164.8	3133.7	3106.6	3114.3	3102.7	3075.6	3098.8	3106.6	3091.1
7.5°	3265.6	3234.6	3242.3	3207.4	3153.1	3149.2	3075.6	3056.2	3063.9	3071.7	3044.5
10°	3370.3	3389.7	3350.9	3323.8	3234.6	3176.4	3075.6	2967.0	2955.3	2908.8	2947.6
12.5°	3556.5	3509.9	3494.4	3405.2	3316.0	3122.1	2904.9	2738.1	2598.5	2548.1	2497.7
15°	3711.6	3703.9	3676.7	3541.0	3335.4	2982.5	2571.4	2183.5	1915.9	1749.2	1725.9
17.5°	3924.9	3890.0	3839.6	3626.3	3191.9	2617.9	1915.9	1427.2	1159.6	1054.9	1016.1
20°	4087.8	4060.7	3990.9	3606.9	2932.1	1950.8	1186.8	907.5	841.6	822.2	826.1
22.5°	4324.4	4239.1	4107.2	3509.9	2458.9	1299.3	853.2	810.6	798.9	783.4	787.3
25°	4530.0	4452.4	4177.0	3343.2	1753.0	861.0	791.2	767.9	748.5	729.1	725.3
27.5°	4712.2	4615.3	4250.7	3001.9	1097.6	740.8	733.0	705.9	667.1	636.1	624.4
30°	4890.6	4778.2	4270.1	2361.9	740.8	671.0	651.6	608.9	558.5	515.8	508.1
32.5°	5189.3	5053.5	4243.0	1687.1	639.9	597.3	554.6	504.2	430.5	395.6	387.8
35°	5654.7	5449.1	4208.0	992.9	574.0	527.5	461.5	395.6	341.3	306.4	298.6
37.5°	6189.9	5833.1	4107.2	663.2	527.5	465.4	380.1	314.1	267.6	240.5	232.7
40°	6985.0	6395.5	3719.4	543.0	469.3	395.6	306.4	248.2	213.3	193.9	186.2
42.5°	7861.5	7039.3	3122.1	488.7	415.0	337.4	244.3	201.7	174.5	155.1	155.1
45°	8912.5	7710.2	2408.5	446.0	368.4	279.2	201.7	162.9	139.6	124.1	116.4
47.5°	10083.8	8319.1	1625.0	403.4	310.3	228.8	166.8	124.1	100.8	89.2	89.2
50°	11131.0	8858.2	1035.5	352.9	271.5	190.0	135.7	100.8	81.4	65.9	62.1
52.5°	12081.2	9269.3	713.6	310.3	232.7	155.1	112.5	81.4	62.1	50.4	50.4
55°	13054.6	9478.8	527.5	267.6	201.7	131.9	93.1	73.7	54.3	42.7	38.8
57.5°	13853.6	9568.0	403.4	232.7	170.6	104.7	81.4	62.1	46.5	34.9	31.0
60°	14536.2	9525.3	314.1	193.9	135.7	89.2	69.8	50.4	38.8	27.1	23.3
62.5°	14935.7	9269.3	248.2	166.8	108.6	77.6	58.2	42.7	27.1	19.4	15.5
65°	14943.4	8726.4	193.9	124.1	81.4	65.9	50.4	34.9	19.4	7.8	3.9
67.5°	13873.0	7551.2	155.1	97.0	65.9	50.4	38.8	27.1	7.8	0.0	0.0
70°	10851.7	5712.9	128.0	77.6	54.3	42.7	27.1	15.5	3.9	0.0	0.0
72.5°	6915.2	3420.7	104.7	62.1	46.5	31.0	19.4	11.6	0.0	0.0	0.0
75°	2893.3	1054.9	81.4	54.3	34.9	23.3	15.5	3.9	0.0	0.0	0.0
77.5°	744.6	333.5	65.9	46.5	34.9	19.4	11.6	3.9	0.0	0.0	0.0
80°	221.1	124.1	54.3	38.8	27.1	15.5	7.8	3.9	0.0	0.0	0.0
82.5°	100.8	73.7	46.5	34.9	23.3	15.5	7.8	0.0	0.0	0.0	0.0
85°	38.8	23.3	23.3	19.4	19.4	11.6	3.9	0.0	0.0	0.0	0.0
87.5°	15.5	7.8	7.8	7.8	3.9	3.9	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)