

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: P482463

Luminaire Tested: **IFLD-S-SA6C-740-U-T3-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P482463
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-740-U-T3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3
distribution lens with House Side Shield
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

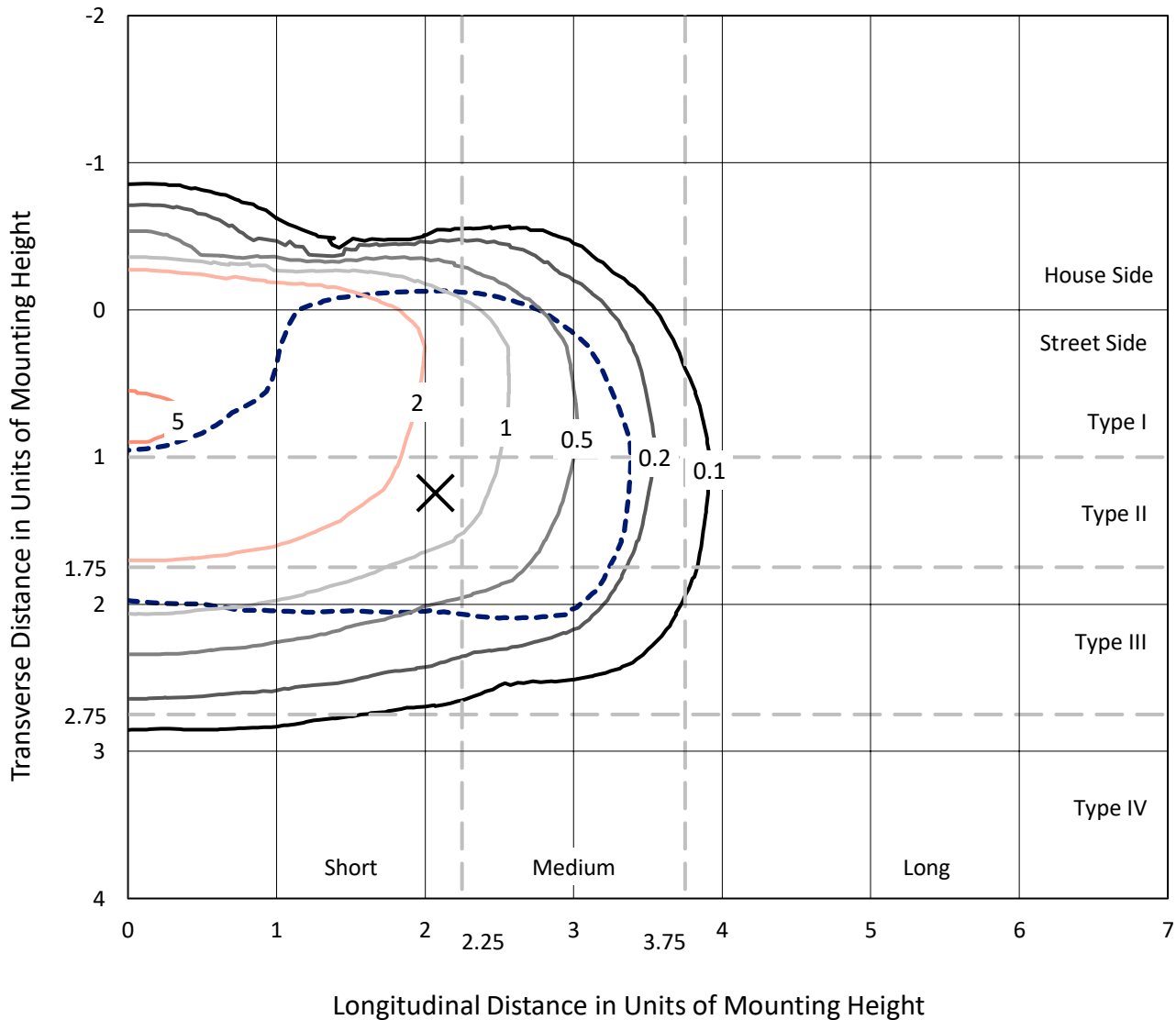
Lumens per Lamp: N/A
Luminaire Lumens: 30832.5 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

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

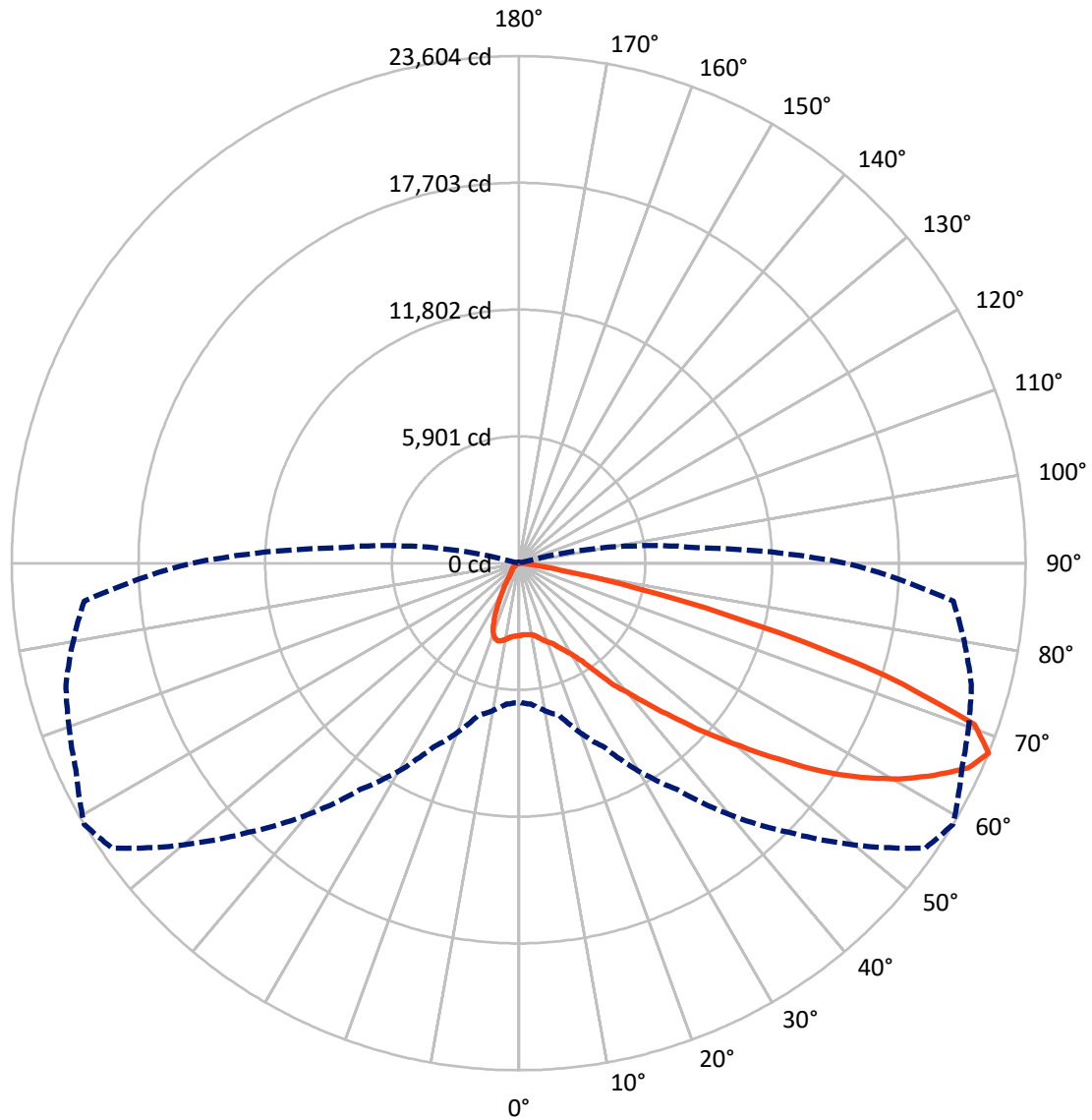
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.4 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	3621.8	0.0	3621.8
	% Fixture	11.7	0.0	11.7
Street Side	Lumens	27210.7	0.0	27210.7
	% Fixture	88.3	0.0	88.3
Total	Lumens	30832.5	0.0	30832.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.2	1.0
10°-20°	927.9	3.0
20°-30°	1621.8	5.3
30°-40°	2855.3	9.3
40°-50°	5047.3	16.4
50°-60°	7991.6	25.9
60°-70°	8864.9	28.8
70°-80°	3075.9	10.0
80°-90°	126.7	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°	30832.5	100.0
0°-180°	30832.5	100.0

Coefficient of Utilization

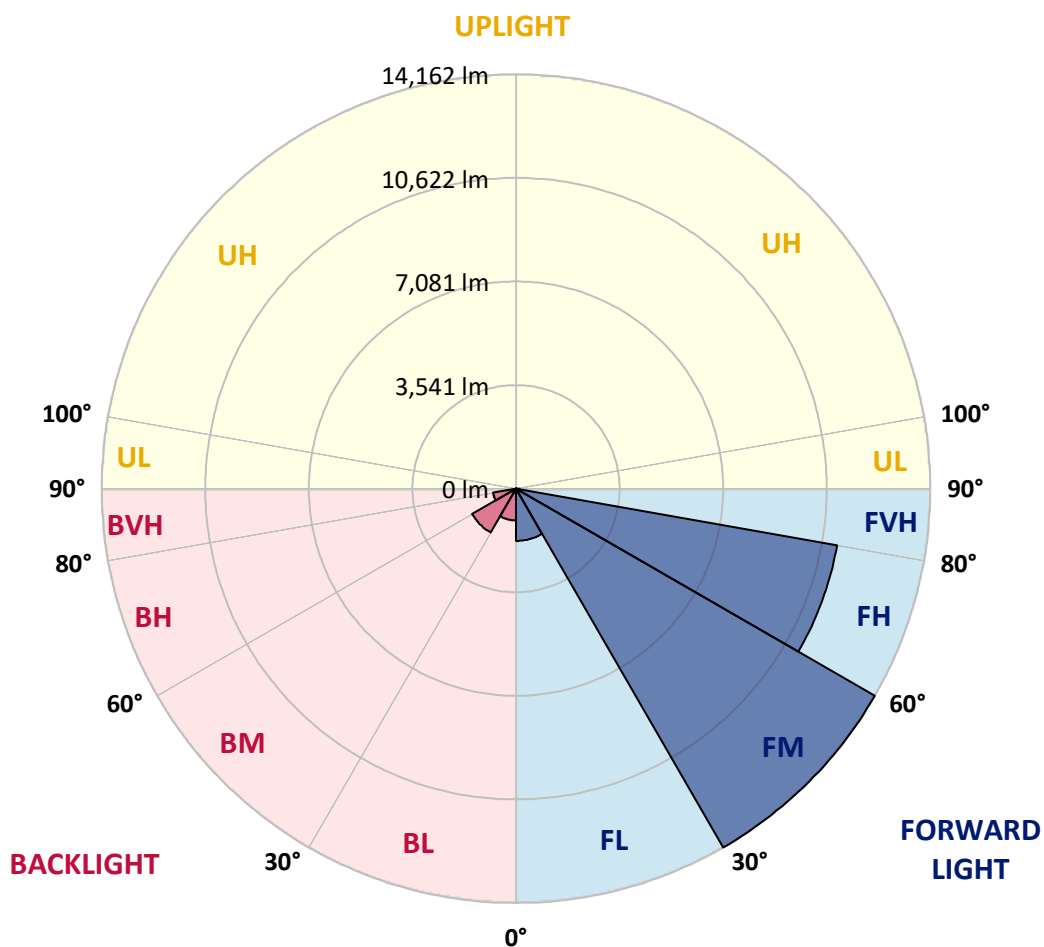


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1785.4	5.8			
FM (30°-60°)	14162.5	45.9			
FH (60°-80°)	11144.3	36.1			G4/12000
FVH (80°-90°)	118.5	0.4			G2/225
BL (0°-30°)	1085.5	3.5	B3/2500		
BM (30°-60°)	1731.6	5.6	B2/2500		
BH (60°-80°)	796.5	2.6	B2/1000		G2/1000
BVH (80°-90°)	8.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	3381.8	3381.8	3381.8	3381.8	3381.8	3381.8	3381.8	3381.8	3381.8	3381.8	3381.8
2.5°	3283.8	3237.0	3279.5	3283.8	3288.1	3326.4	3369.0	3339.2	3334.9	3369.0	3398.8
5°	3151.8	3130.5	3181.6	3207.1	3249.7	3283.8	3352.0	3356.2	3360.5	3398.8	3449.9
7.5°	3096.4	3045.3	3104.9	3134.7	3164.6	3245.5	3326.4	3369.0	3428.6	3475.5	3526.6
10°	2985.7	3024.0	3041.0	3092.1	3177.3	3271.0	3369.0	3390.3	3522.3	3560.7	3684.2
12.5°	3024.0	3049.6	3083.6	3096.4	3190.1	3330.7	3462.7	3471.2	3607.5	3773.6	3837.5
15°	3122.0	3104.9	3117.7	3134.7	3245.5	3360.5	3573.4	3611.8	3739.5	3926.9	4084.5
17.5°	3330.7	3300.8	3279.5	3275.3	3300.8	3407.3	3658.6	3773.6	3892.9	4148.4	4229.3
20°	3854.5	3829.0	3743.8	3522.3	3445.7	3488.2	3760.8	3922.7	4088.8	4374.1	4506.2
22.5°	4651.0	4676.5	4476.4	4165.5	3846.0	3679.9	3922.7	4063.2	4327.3	4689.3	4808.6
25°	5592.3	5541.2	5298.4	4936.4	4433.8	4041.9	4182.5	4340.1	4663.8	4961.9	5008.8
27.5°	6329.1	6269.5	6082.1	5643.4	5208.9	4574.3	4523.2	4621.2	5004.5	5272.8	5221.7
30°	7057.4	7078.7	6950.9	6431.3	5894.7	5226.0	4902.3	4944.9	5238.8	5583.7	5468.8
32.5°	7985.9	7934.8	7862.4	7406.7	6772.1	6056.5	5502.8	5434.7	5562.5	6018.2	5881.9
35°	8850.5	8820.7	8722.7	8262.8	7709.1	6929.6	6388.7	6235.4	6205.6	6712.4	6473.9
37.5°	9604.4	9553.3	9404.2	9110.3	8573.7	7917.8	7325.7	7189.4	7185.2	7534.4	7074.5
40°	10239.0	10277.3	10260.3	9936.6	9642.7	9118.8	8211.6	7994.4	7977.4	8164.8	7896.5
42.5°	11061.0	11150.5	11103.6	11039.7	10686.2	10481.8	9455.3	9123.1	8974.0	9357.4	9114.6
45°	12304.7	12338.8	12368.6	12211.0	11857.5	11900.1	10741.6	10345.5	10307.1	10877.9	10332.7
47.5°	13467.4	13378.0	13586.7	13595.2	13578.2	13382.3	12130.1	11836.2	11887.3	12321.7	11759.5
50°	13757.1	13987.1	14562.0	14668.5	14945.4	15124.2	13671.9	13378.0	13463.2	13957.2	13314.1
52.5°	13982.8	14332.0	14907.0	15686.5	16431.8	16857.7	15396.8	15158.3	15154.1	15456.5	14570.6
55°	14378.9	14591.9	15090.2	16163.5	17581.8	18280.3	17475.3	17092.0	16747.0	16959.9	15873.9
57.5°	14340.6	14421.5	15196.7	16521.3	18493.2	19762.5	19183.2	18816.9	18374.0	18250.5	17373.1
60°	13667.6	13859.3	14728.1	16278.5	19055.4	20916.7	20776.1	20401.3	19639.0	19349.3	18523.1
62.5°	12334.5	12590.1	13271.5	15426.6	18237.7	20976.3	21875.0	21734.5	20882.6	20363.0	20022.3
65°	9996.2	10115.5	10899.2	13263.0	16389.2	20060.6	23174.0	22999.4	22215.7	21440.6	20793.2
67.5°	6473.9	6588.9	7342.8	9468.1	12871.2	17696.8	23122.9	23604.2	22756.6	21823.9	20311.9
70°	3058.1	3028.3	3731.0	5260.1	8245.7	13514.3	21559.8	22509.6	21789.8	19783.8	16870.5
72.5°	932.8	1013.7	1550.3	2329.8	4233.6	8428.9	16900.3	17790.5	17564.7	15805.7	11261.2
75°	413.1	447.2	609.1	954.1	1716.4	3458.4	10439.2	11231.4	11133.4	9323.3	5140.8
77.5°	264.1	289.6	383.3	545.2	779.4	1098.9	4808.6	5579.5	5409.1	3275.3	1345.9
80°	187.4	200.2	272.6	374.8	489.8	451.5	1656.8	1967.7	1886.8	890.2	362.0
82.5°	102.2	110.7	200.2	276.8	328.0	230.0	464.2	579.2	604.8	396.1	174.6
85°	38.3	46.9	123.5	195.9	170.4	106.5	136.3	166.1	217.2	217.2	80.9
87.5°	0.0	4.3	51.1	85.2	42.6	29.8	38.3	46.9	59.6	102.2	29.8
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°	3381.8	3381.8	3381.8	3381.8	3381.8	3381.8	3381.8	3381.8	3381.8	3381.8	3381.8
2.5°	3420.1	3390.3	3403.1	3424.4	3377.5	3403.1	3352.0	3390.3	3403.1	3352.0	3377.5
5°	3462.7	3492.5	3475.5	3441.4	3411.6	3420.1	3407.3	3377.5	3403.1	3411.6	3394.5
7.5°	3586.2	3552.1	3560.7	3522.3	3462.7	3458.4	3377.5	3356.2	3364.7	3373.2	3343.4
10°	3701.2	3722.5	3679.9	3650.1	3552.1	3488.2	3377.5	3258.3	3245.5	3194.4	3237.0
12.5°	3905.6	3854.5	3837.5	3739.5	3641.6	3428.6	3190.1	3007.0	2853.6	2798.3	2742.9
15°	4076.0	4067.5	4037.7	3888.6	3662.9	3275.3	2823.8	2397.9	2104.0	1920.9	1895.3
17.5°	4310.3	4271.9	4216.6	3982.3	3505.3	2874.9	2104.0	1567.4	1273.5	1158.5	1115.9
20°	4489.1	4459.3	4382.7	3961.0	3219.9	2142.4	1303.3	996.6	924.2	902.9	907.2
22.5°	4749.0	4655.3	4510.4	3854.5	2700.3	1426.8	937.0	890.2	877.4	860.3	864.6
25°	4974.7	4889.5	4587.1	3671.4	1925.1	945.5	868.9	843.3	822.0	800.7	796.5
27.5°	5174.9	5068.4	4668.0	3296.6	1205.3	813.5	805.0	775.2	732.6	698.5	685.7
30°	5370.8	5247.3	4689.3	2593.8	813.5	736.8	715.5	668.7	613.3	566.5	557.9
32.5°	5698.7	5549.7	4659.5	1852.7	702.8	655.9	609.1	553.7	472.8	434.4	425.9
35°	6209.8	5984.1	4621.2	1090.3	630.4	579.2	506.8	434.4	374.8	336.5	328.0
37.5°	6797.6	6405.8	4510.4	728.3	579.2	511.1	417.4	345.0	293.9	264.1	255.5
40°	7670.7	7023.3	4084.5	596.3	515.4	434.4	336.5	272.6	234.3	213.0	204.4
42.5°	8633.3	7730.4	3428.6	536.7	455.7	370.5	268.3	221.5	191.7	170.4	170.4
45°	9787.5	8467.2	2644.9	489.8	404.6	306.7	221.5	178.9	153.3	136.3	127.8
47.5°	11073.8	9135.9	1784.6	443.0	340.7	251.3	183.1	136.3	110.7	98.0	98.0
50°	12223.8	9727.9	1137.2	387.6	298.1	208.7	149.1	110.7	89.4	72.4	68.1
52.5°	13267.3	10179.4	783.7	340.7	255.5	170.4	123.5	89.4	68.1	55.4	55.4
55°	14336.3	10409.4	579.2	293.9	221.5	144.8	102.2	80.9	59.6	46.9	42.6
57.5°	15213.7	10507.3	443.0	255.5	187.4	115.0	89.4	68.1	51.1	38.3	34.1
60°	15963.3	10460.5	345.0	213.0	149.1	98.0	76.7	55.4	42.6	29.8	25.6
62.5°	16402.0	10179.4	272.6	183.1	119.3	85.2	63.9	46.9	29.8	21.3	17.0
65°	16410.5	9583.1	213.0	136.3	89.4	72.4	55.4	38.3	21.3	8.5	4.3
67.5°	15235.0	8292.6	170.4	106.5	72.4	55.4	42.6	29.8	8.5	0.0	0.0
70°	11917.1	6273.7	140.6	85.2	59.6	46.9	29.8	17.0	4.3	0.0	0.0
72.5°	7594.1	3756.6	115.0	68.1	51.1	34.1	21.3	12.8	0.0	0.0	0.0
75°	3177.3	1158.5	89.4	59.6	38.3	25.6	17.0	4.3	0.0	0.0	0.0
77.5°	817.8	366.3	72.4	51.1	38.3	21.3	12.8	4.3	0.0	0.0	0.0
80°	242.8	136.3	59.6	42.6	29.8	17.0	8.5	4.3	0.0	0.0	0.0
82.5°	110.7	80.9	51.1	38.3	25.6	17.0	8.5	0.0	0.0	0.0	0.0
85°	42.6	25.6	25.6	21.3	21.3	12.8	4.3	0.0	0.0	0.0	0.0
87.5°	17.0	8.5	8.5	8.5	4.3	4.3	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)