

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: P482503

Luminaire Tested: **IFLD-S-SA6D-750-U-T3-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482503
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-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

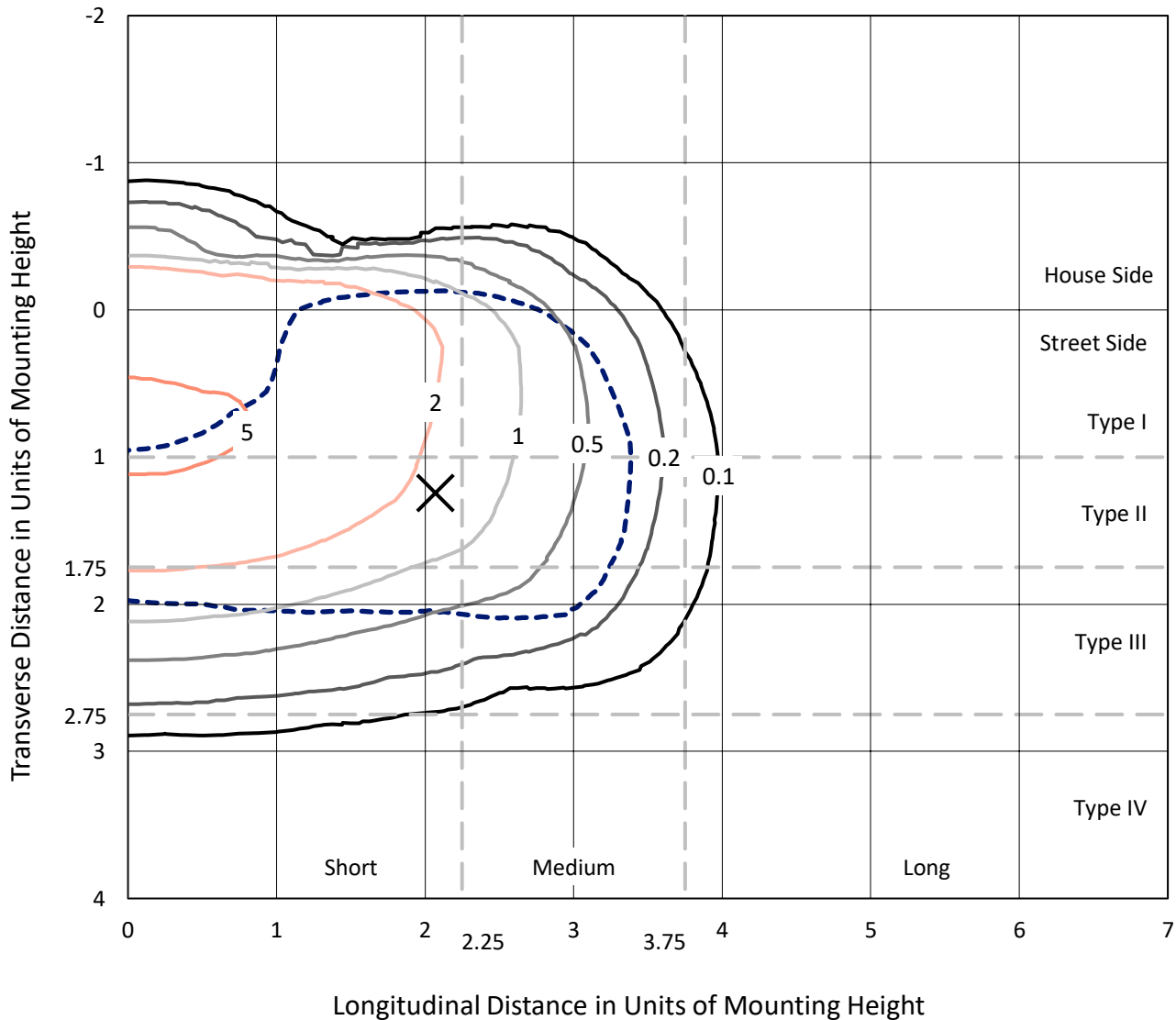
Lumens per Lamp: N/A
Luminaire Lumens: 34703.6 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 368.2
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

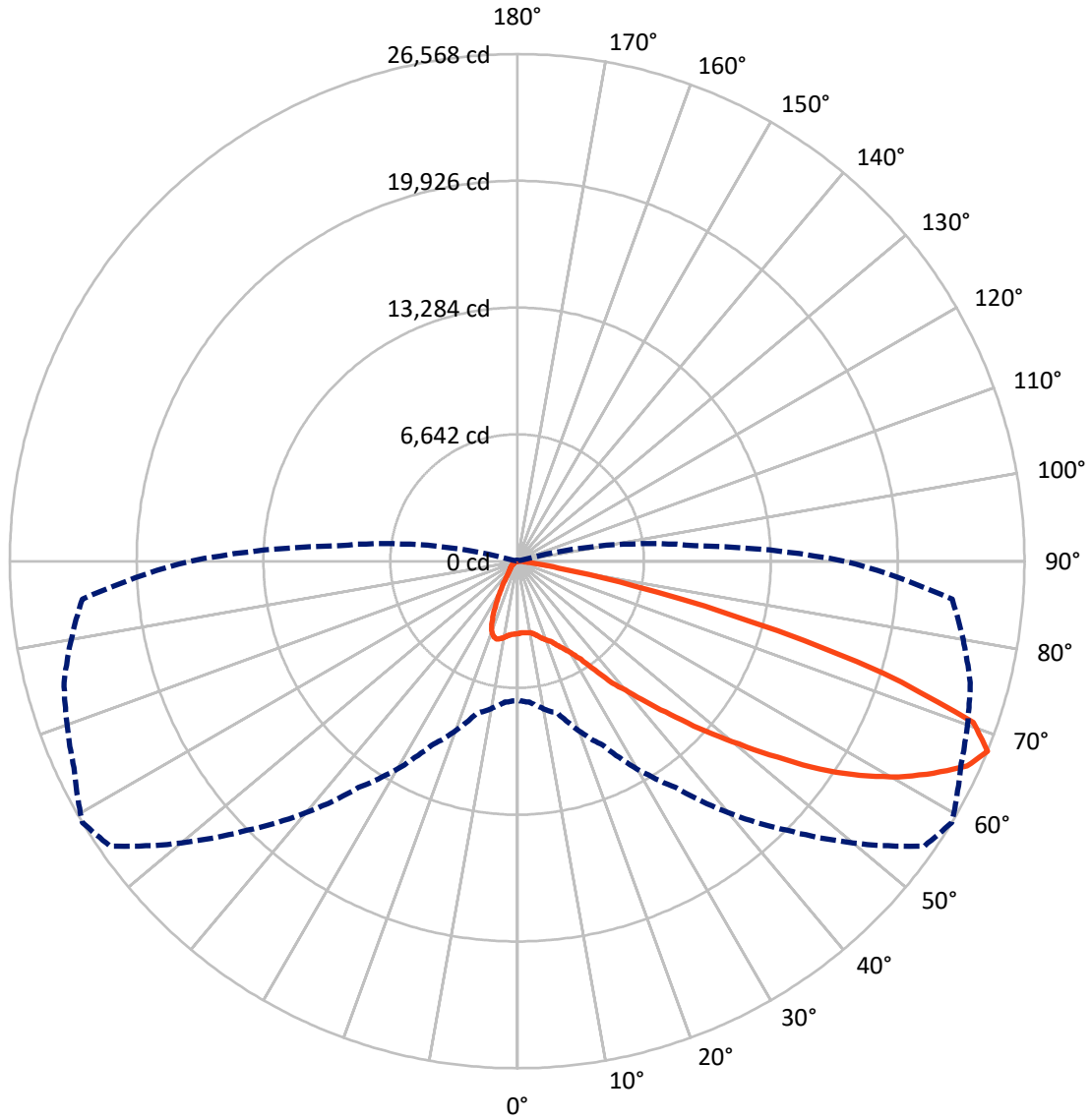
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6 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	4076.5	0.0	4076.5
	% Fixture	11.7	0.0	11.7
Street Side	Lumens	30627.1	0.0	30627.1
	% Fixture	88.3	0.0	88.3
Total	Lumens	34703.6	0.0	34703.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.6	1.0
10°-20°	1044.4	3.0
20°-30°	1825.4	5.3
30°-40°	3213.8	9.3
40°-50°	5681.0	16.4
50°-60°	8995.0	25.9
60°-70°	9977.9	28.8
70°-80°	3462.1	10.0
80°-90°	142.6	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°	34703.6	100.0
0°-180°	34703.6	100.0

Coefficient of Utilization

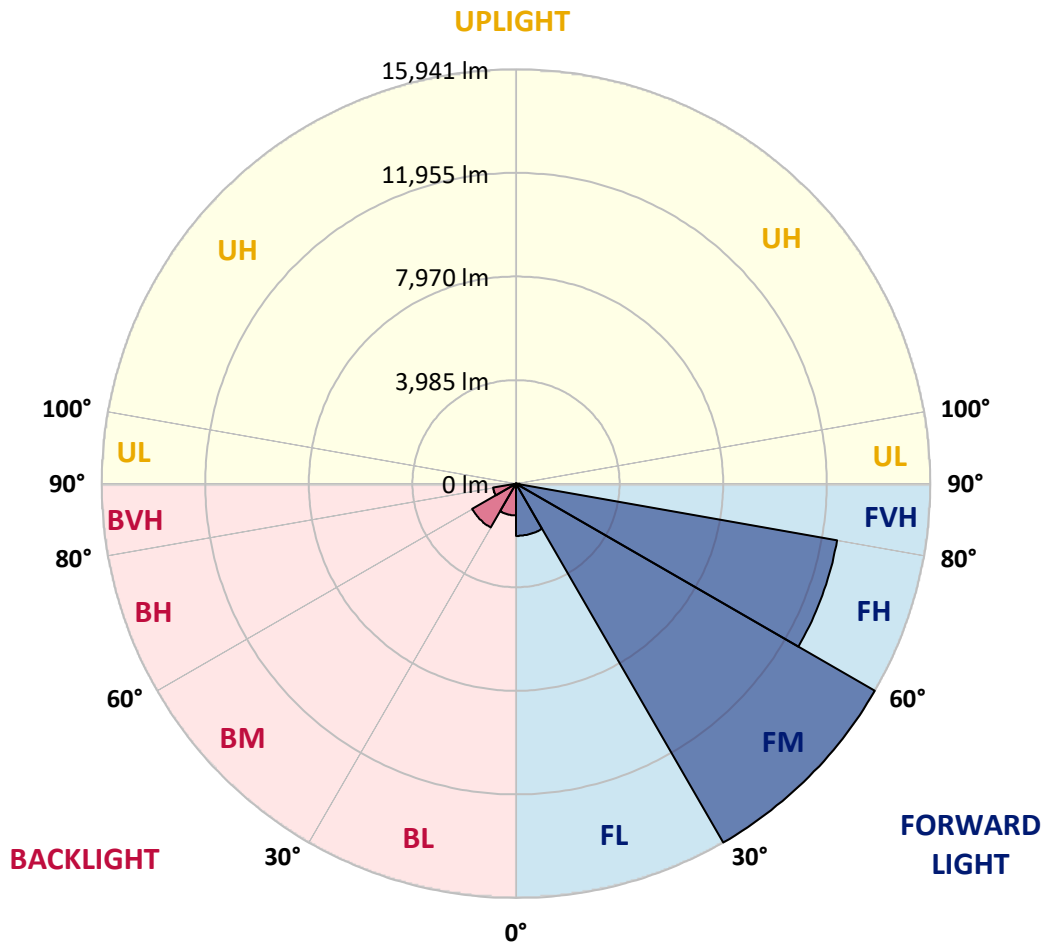


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2009.6	5.8			
FM (30°-60°)	15940.7	45.9			
FH (60°-80°)	12543.5	36.1			G5
FVH (80°-90°)	133.3	0.4			G2/225
BL (0°-30°)	1221.8	3.5	B3/2500		
BM (30°-60°)	1949.0	5.6	B2/2500		
BH (60°-80°)	896.5	2.6	B2/1000		G2/1000
BVH (80°-90°)	9.2	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-G5
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	3806.4	3806.4	3806.4	3806.4	3806.4	3806.4	3806.4	3806.4	3806.4	3806.4	3806.4
2.5°	3696.1	3643.4	3691.3	3696.1	3700.9	3744.0	3792.0	3758.4	3753.6	3792.0	3825.5
5°	3547.5	3523.5	3581.1	3609.8	3657.8	3696.1	3772.8	3777.6	3782.4	3825.5	3883.1
7.5°	3485.2	3427.6	3494.8	3528.3	3561.9	3653.0	3744.0	3792.0	3859.1	3911.8	3969.4
10°	3360.5	3403.7	3422.9	3480.4	3576.3	3681.7	3792.0	3816.0	3964.6	4007.7	4146.7
12.5°	3403.7	3432.4	3470.8	3485.2	3590.6	3748.8	3897.4	3907.0	4060.4	4247.4	4319.3
15°	3513.9	3494.8	3509.1	3528.3	3653.0	3782.4	4022.1	4065.2	4209.1	4420.0	4597.4
17.5°	3748.8	3715.3	3691.3	3686.5	3715.3	3835.1	4118.0	4247.4	4381.6	4669.3	4760.4
20°	4338.5	4309.7	4213.8	3964.6	3878.3	3926.2	4233.0	4415.2	4602.2	4923.3	5072.0
22.5°	5235.0	5263.7	5038.4	4688.4	4328.9	4141.9	4415.2	4573.4	4870.6	5278.1	5412.3
25°	6294.4	6236.9	5963.6	5556.1	4990.5	4549.4	4707.6	4885.0	5249.3	5584.9	5637.6
27.5°	7123.8	7056.6	6845.7	6351.9	5863.0	5148.7	5091.1	5201.4	5632.8	5934.9	5877.3
30°	7943.5	7967.5	7823.7	7238.8	6634.8	5882.1	5517.8	5565.7	5896.5	6284.8	6155.4
32.5°	8988.6	8931.1	8849.6	8336.6	7622.3	6816.9	6193.7	6117.0	6260.8	6773.8	6620.4
35°	9961.7	9928.2	9817.9	9300.2	8677.0	7799.7	7190.9	7018.3	6984.7	7555.2	7286.7
37.5°	10810.3	10752.7	10585.0	10254.2	9650.1	8911.9	8245.5	8092.1	8087.3	8480.4	7962.7
40°	11524.6	11567.7	11548.5	11184.2	10853.4	10263.8	9242.7	8998.2	8979.0	9189.9	8887.9
42.5°	12449.8	12550.5	12497.7	12425.8	12027.9	11797.8	10642.5	10268.6	10100.8	10532.2	10259.0
45°	13849.6	13888.0	13921.5	13744.1	13346.2	13394.2	12090.2	11644.4	11601.3	12243.6	11630.0
47.5°	15158.3	15057.7	15292.6	15302.2	15283.0	15062.5	13653.1	13322.3	13379.8	13868.8	13236.0
50°	15484.3	15743.2	16390.4	16510.2	16821.8	17023.2	15388.5	15057.7	15153.6	15709.6	14985.8
52.5°	15738.4	16131.5	16778.7	17656.0	18494.9	18974.3	17330.0	17061.5	17056.7	17397.1	16400.0
55°	16184.2	16423.9	16984.8	18192.9	19789.3	20575.5	19669.4	19238.0	18849.7	19089.4	17866.9
57.5°	16141.1	16232.2	17104.7	18595.6	20815.2	22243.7	21591.8	21179.5	20680.9	20541.9	19554.4
60°	15383.7	15599.4	16577.3	18322.3	21448.0	23542.9	23384.7	22962.8	22104.7	21778.7	20848.7
62.5°	13883.2	14170.8	14937.8	17363.5	20527.5	23610.0	24621.5	24463.3	23504.5	22919.7	22536.2
65°	11251.3	11385.5	12267.6	14928.2	18447.0	22579.3	26083.7	25887.1	25005.0	24132.5	23403.9
67.5°	7286.7	7416.2	8264.7	10656.9	14487.2	19918.7	26026.1	26567.9	25613.9	24564.0	22862.2
70°	3442.0	3408.5	4199.5	5920.5	9281.0	15211.1	24266.8	25335.8	24525.6	22267.7	18988.7
72.5°	1049.9	1141.0	1745.0	2622.3	4765.1	9487.2	19022.2	20024.2	19770.1	17790.2	12675.1
75°	465.0	503.4	685.5	1073.8	1931.9	3892.7	11749.9	12641.5	12531.3	10493.9	5786.3
77.5°	297.2	326.0	431.5	613.6	877.3	1236.8	5412.3	6280.0	6088.3	3686.5	1514.9
80°	210.9	225.3	306.8	421.9	551.3	508.2	1864.8	2214.8	2123.7	1001.9	407.5
82.5°	115.1	124.6	225.3	311.6	369.1	258.9	522.5	652.0	680.7	445.8	196.6
85°	43.1	52.7	139.0	220.5	191.8	119.8	153.4	187.0	244.5	244.5	91.1
87.5°	0.0	4.8	57.5	95.9	47.9	33.6	43.1	52.7	67.1	115.1	33.6
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°	3806.4	3806.4	3806.4	3806.4	3806.4	3806.4	3806.4	3806.4	3806.4	3806.4	3806.4
2.5°	3849.5	3816.0	3830.3	3854.3	3801.6	3830.3	3772.8	3816.0	3830.3	3772.8	3801.6
5°	3897.4	3931.0	3911.8	3873.5	3839.9	3849.5	3835.1	3801.6	3830.3	3839.9	3820.7
7.5°	4036.5	3998.1	4007.7	3964.6	3897.4	3892.7	3801.6	3777.6	3787.2	3796.8	3763.2
10°	4165.9	4189.9	4141.9	4108.4	3998.1	3926.2	3801.6	3667.3	3653.0	3595.4	3643.4
12.5°	4396.0	4338.5	4319.3	4209.1	4098.8	3859.1	3590.6	3384.5	3211.9	3149.6	3087.3
15°	4587.8	4578.2	4544.6	4376.8	4122.8	3686.5	3178.4	2699.0	2368.2	2162.1	2133.3
17.5°	4851.4	4808.3	4746.0	4482.3	3945.4	3235.9	2368.2	1764.2	1433.4	1303.9	1256.0
20°	5052.8	5019.2	4932.9	4458.3	3624.2	2411.3	1466.9	1121.8	1040.3	1016.3	1021.1
22.5°	5345.2	5239.7	5076.8	4338.5	3039.3	1606.0	1054.7	1001.9	987.5	968.4	973.2
25°	5599.3	5503.4	5163.0	4132.4	2166.8	1064.2	978.0	949.2	925.2	901.3	896.5
27.5°	5824.6	5704.8	5254.1	3710.5	1356.7	915.6	906.0	872.5	824.6	786.2	771.8
30°	6045.1	5906.1	5278.1	2919.5	915.6	829.3	805.4	752.6	690.3	637.6	628.0
32.5°	6414.3	6246.5	5244.5	2085.4	791.0	738.3	685.5	623.2	532.1	489.0	479.4
35°	6989.5	6735.4	5201.4	1227.2	709.5	652.0	570.5	489.0	421.9	378.7	369.1
37.5°	7651.1	7210.0	5076.8	819.8	652.0	575.3	469.8	388.3	330.8	297.2	287.6
40°	8633.8	7905.2	4597.4	671.1	580.1	489.0	378.7	306.8	263.7	239.7	230.1
42.5°	9717.3	8700.9	3859.1	604.0	512.9	417.1	302.0	249.3	215.7	191.8	191.8
45°	11016.4	9530.3	2977.0	551.3	455.4	345.2	249.3	201.3	172.6	153.4	143.8
47.5°	12464.2	10282.9	2008.6	498.6	383.5	282.8	206.1	153.4	124.6	110.3	110.3
50°	13758.5	10949.3	1280.0	436.2	335.6	234.9	167.8	124.6	100.7	81.5	76.7
52.5°	14933.0	11457.4	882.1	383.5	287.6	191.8	139.0	100.7	76.7	62.3	62.3
55°	16136.3	11716.3	652.0	330.8	249.3	163.0	115.1	91.1	67.1	52.7	47.9
57.5°	17123.9	11826.6	498.6	287.6	210.9	129.4	100.7	76.7	57.5	43.1	38.4
60°	17967.6	11773.8	388.3	239.7	167.8	110.3	86.3	62.3	47.9	33.6	28.8
62.5°	18461.4	11457.4	306.8	206.1	134.2	95.9	71.9	52.7	33.6	24.0	19.2
65°	18470.9	10786.3	239.7	153.4	100.7	81.5	62.3	43.1	24.0	9.6	4.8
67.5°	17147.8	9333.7	191.8	119.8	81.5	62.3	47.9	33.6	9.6	0.0	0.0
70°	13413.4	7061.4	158.2	95.9	67.1	52.7	33.6	19.2	4.8	0.0	0.0
72.5°	8547.5	4228.2	129.4	76.7	57.5	38.4	24.0	14.4	0.0	0.0	0.0
75°	3576.3	1303.9	100.7	67.1	43.1	28.8	19.2	4.8	0.0	0.0	0.0
77.5°	920.4	412.3	81.5	57.5	43.1	24.0	14.4	4.8	0.0	0.0	0.0
80°	273.3	153.4	67.1	47.9	33.6	19.2	9.6	4.8	0.0	0.0	0.0
82.5°	124.6	91.1	57.5	43.1	28.8	19.2	9.6	0.0	0.0	0.0	0.0
85°	47.9	28.8	28.8	24.0	24.0	14.4	4.8	0.0	0.0	0.0	0.0
87.5°	19.2	9.6	9.6	9.6	4.8	4.8	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)