

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: P482464

Luminaire Tested: **IFLD-S-SA6D-740-U-T3-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482464
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-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

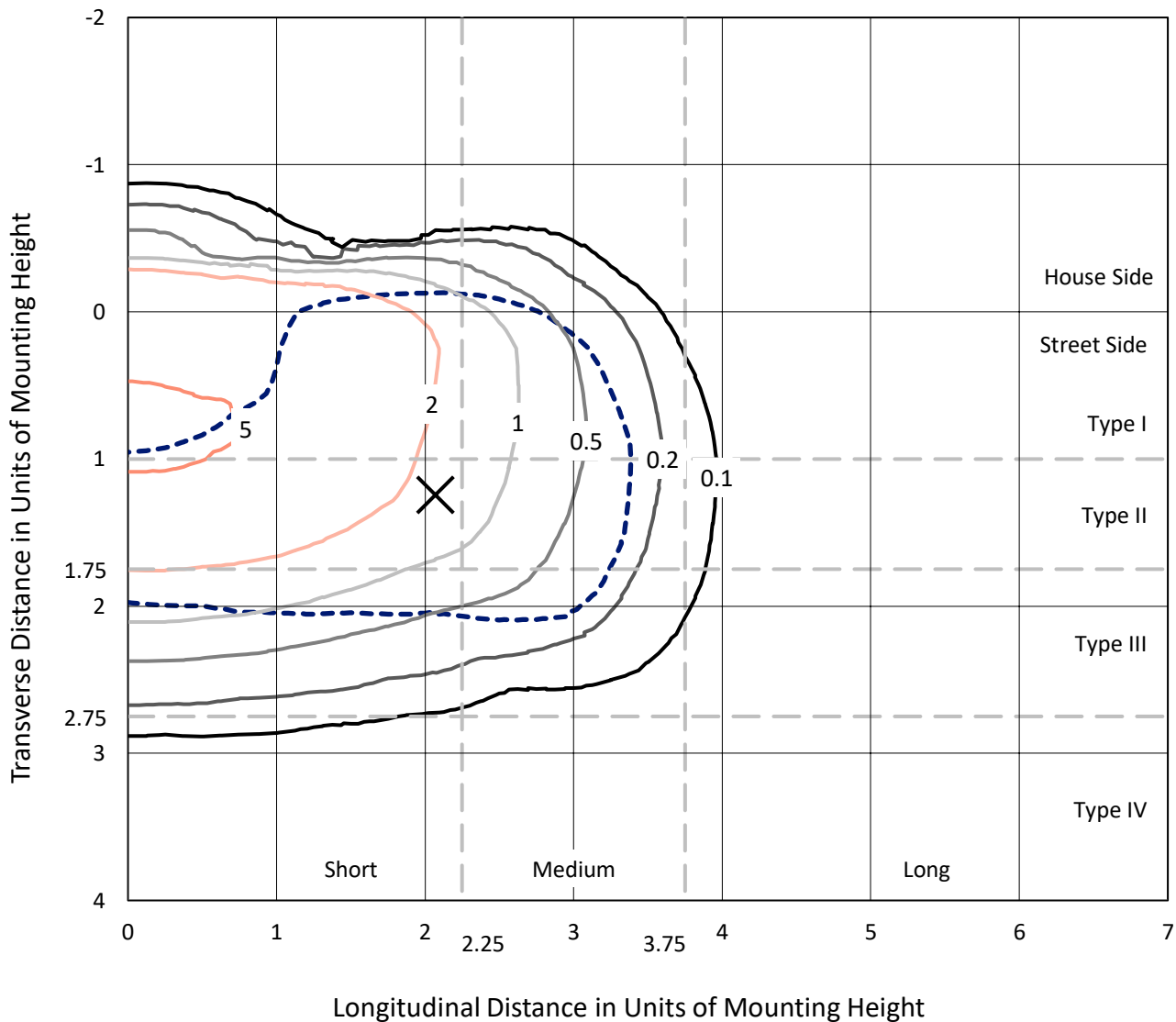
Lumens per Lamp: N/A
Luminaire Lumens: 33926.7 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

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

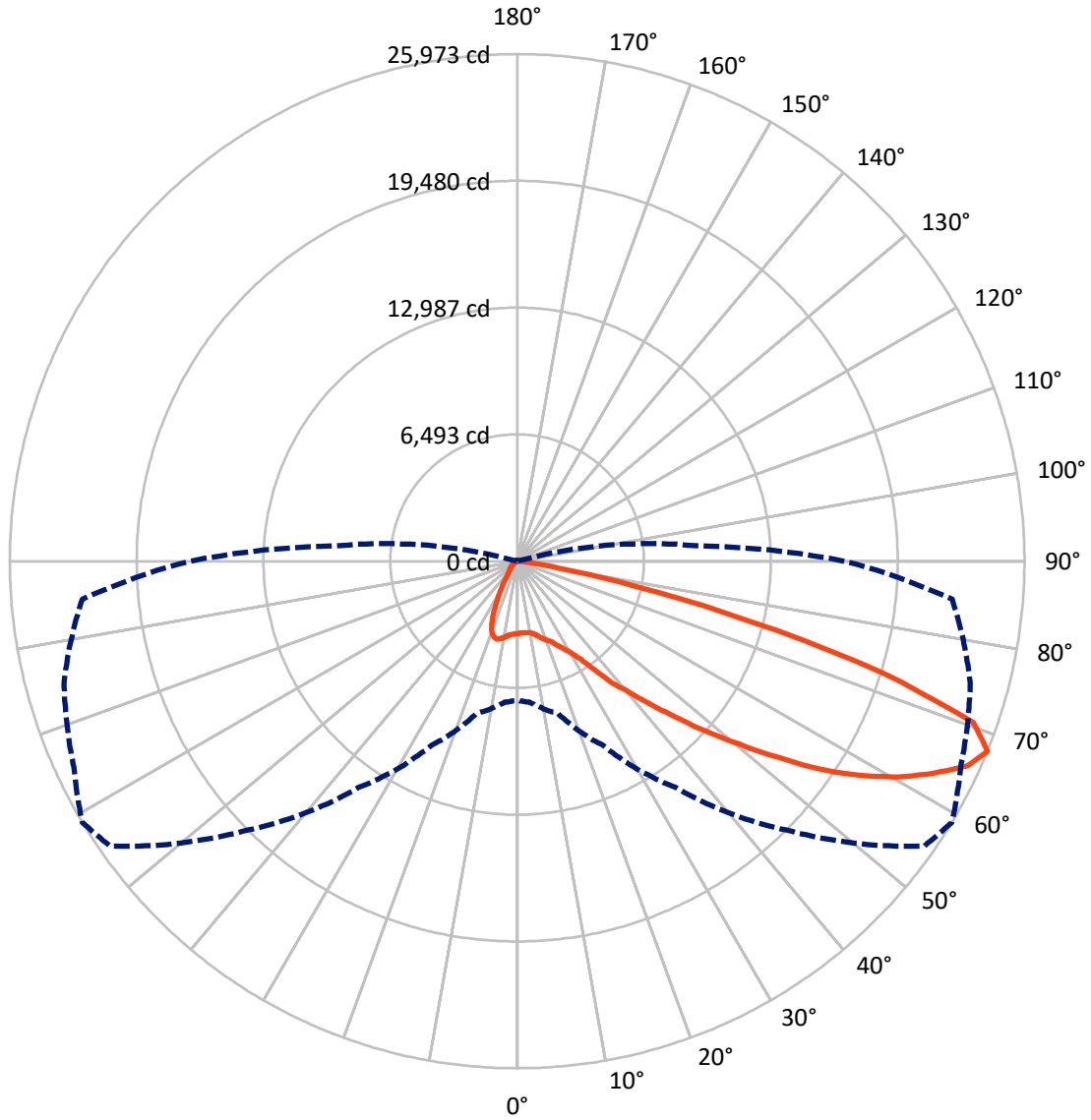
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.9 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	3985.3	0.0	3985.3
	% Fixture	11.7	0.0	11.7
Street Side	Lumens	29941.4	0.0	29941.4
	% Fixture	88.3	0.0	88.3
Total	Lumens	33926.7	0.0	33926.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.5	1.0
10°-20°	1021.0	3.0
20°-30°	1784.5	5.3
30°-40°	3141.8	9.3
40°-50°	5553.8	16.4
50°-60°	8793.6	25.9
60°-70°	9754.5	28.8
70°-80°	3384.6	10.0
80°-90°	139.4	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°	33926.7	100.0
0°-180°	33926.7	100.0

Coefficient of Utilization

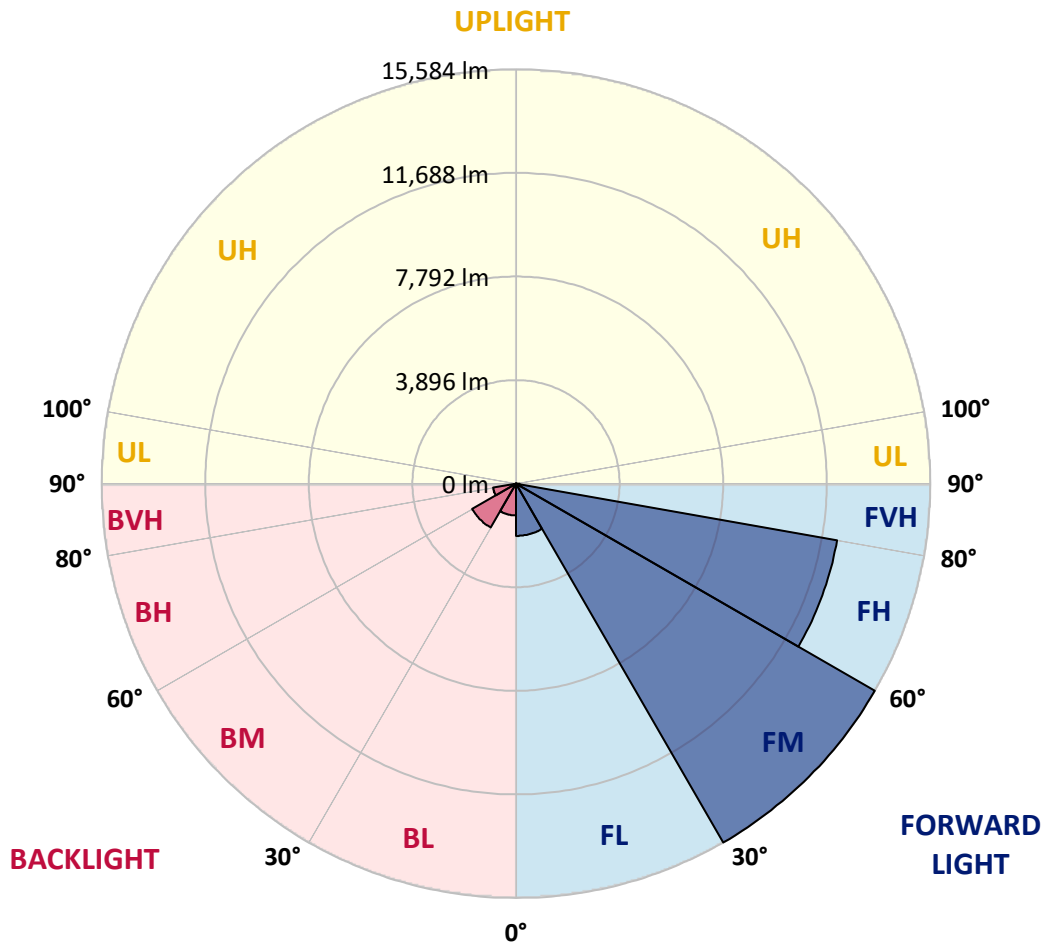


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1964.6	5.8			
FM (30°-60°)	15583.8	45.9			
FH (60°-80°)	12262.7	36.1			G5
FVH (80°-90°)	130.4	0.4			G2/225
BL (0°-30°)	1194.4	3.5	B3/2500		
BM (30°-60°)	1905.4	5.6	B2/2500		
BH (60°-80°)	876.4	2.6	B2/1000		G2/1000
BVH (80°-90°)	9.0	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°	3721.2	3721.2	3721.2	3721.2	3721.2	3721.2	3721.2	3721.2	3721.2	3721.2	3721.2
2.5°	3613.4	3561.8	3608.7	3613.4	3618.0	3660.2	3707.1	3674.3	3669.6	3707.1	3739.9
5°	3468.1	3444.6	3500.9	3529.0	3575.9	3613.4	3688.3	3693.0	3697.7	3739.9	3796.1
7.5°	3407.1	3350.9	3416.5	3449.3	3482.1	3571.2	3660.2	3707.1	3772.7	3824.3	3880.5
10°	3285.3	3327.5	3346.2	3402.5	3496.2	3599.3	3707.1	3730.5	3875.8	3918.0	4053.9
12.5°	3327.5	3355.6	3393.1	3407.1	3510.3	3664.9	3810.2	3819.6	3969.5	4152.3	4222.6
15°	3435.3	3416.5	3430.6	3449.3	3571.2	3697.7	3932.0	3974.2	4114.8	4321.0	4494.4
17.5°	3664.9	3632.1	3608.7	3604.0	3632.1	3749.3	4025.8	4152.3	4283.5	4564.7	4653.8
20°	4241.4	4213.2	4119.5	3875.8	3791.4	3838.3	4138.3	4316.3	4499.1	4813.1	4958.4
22.5°	5117.8	5145.9	4925.6	4583.5	4232.0	4049.2	4316.3	4471.0	4761.6	5159.9	5291.2
25°	6153.5	6097.3	5830.1	5431.8	4878.7	4447.6	4602.2	4775.6	5131.8	5459.9	5511.4
27.5°	6964.3	6898.7	6692.4	6209.7	5731.7	5033.4	4977.2	5084.9	5506.7	5802.0	5745.8
30°	7765.7	7789.1	7648.5	7076.7	6486.2	5750.4	5394.3	5441.1	5764.5	6144.1	6017.6
32.5°	8787.4	8731.1	8651.4	8150.0	7451.7	6664.3	6055.1	5980.1	6120.7	6622.1	6472.2
35°	9738.7	9705.9	9598.1	9092.0	8482.7	7625.1	7029.9	6861.2	6828.4	7386.1	7123.6
37.5°	10568.3	10512.0	10348.0	10024.6	9434.1	8712.4	8060.9	7911.0	7906.3	8290.6	7784.4
40°	11266.6	11308.7	11290.0	10933.8	10610.4	10034.0	9035.7	8796.7	8778.0	8984.2	8688.9
42.5°	12171.1	12269.5	12217.9	12147.6	11758.6	11533.7	10404.2	10038.7	9874.6	10296.4	10029.3
45°	13539.6	13577.0	13609.9	13436.4	13047.5	13094.3	11819.6	11383.7	11341.5	11969.5	11369.7
47.5°	14819.0	14720.6	14950.2	14959.6	14940.8	14725.3	13347.4	13024.0	13080.3	13558.3	12939.7
50°	15137.7	15390.8	16023.4	16140.6	16445.2	16642.1	15043.9	14720.6	14814.3	15357.9	14650.3
52.5°	15386.1	15770.4	16403.1	17260.7	18080.9	18549.5	16942.0	16679.6	16674.9	17007.6	16032.8
55°	15821.9	16056.3	16604.6	17785.6	19346.2	20114.8	19229.1	18807.3	18427.7	18662.0	17466.9
57.5°	15779.7	15868.8	16721.7	18179.3	20349.2	21745.8	21108.4	20705.3	20217.9	20082.0	19116.6
60°	15039.3	15250.2	16206.2	17912.1	20967.8	23015.8	22861.2	22448.8	21609.9	21291.2	20382.0
62.5°	13572.4	13853.6	14603.4	16974.8	20068.0	23081.4	24070.3	23915.7	22978.3	22406.6	22031.7
65°	10999.4	11130.6	11993.0	14594.0	18034.0	22073.8	25499.7	25307.6	24445.2	23592.3	22879.9
67.5°	7123.6	7250.2	8079.7	10418.3	14162.9	19472.8	25443.5	25973.1	25040.4	24014.1	22350.3
70°	3365.0	3332.2	4105.5	5787.9	9073.2	14870.5	23723.5	24768.6	23976.6	21769.2	18563.6
72.5°	1026.4	1115.4	1705.9	2563.6	4658.5	9274.8	18596.4	19575.9	19327.5	17391.9	12391.3
75°	454.6	492.1	670.2	1049.8	1888.7	3805.5	11486.8	12358.5	12250.7	10258.9	5656.7
77.5°	290.6	318.7	421.8	599.9	857.6	1209.1	5291.2	6139.4	5952.0	3604.0	1481.0
80°	206.2	220.3	299.9	412.4	539.0	496.8	1823.1	2165.2	2076.2	979.5	398.4
82.5°	112.5	121.9	220.3	304.6	360.9	253.1	510.8	637.4	665.5	435.9	192.2
85°	42.2	51.6	135.9	215.6	187.5	117.2	150.0	182.8	239.0	239.0	89.0
87.5°	0.0	4.7	56.2	93.7	46.9	32.8	42.2	51.6	65.6	112.5	32.8
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°	3721.2	3721.2	3721.2	3721.2	3721.2	3721.2	3721.2	3721.2	3721.2	3721.2	3721.2
2.5°	3763.3	3730.5	3744.6	3768.0	3716.5	3744.6	3688.3	3730.5	3744.6	3688.3	3716.5
5°	3810.2	3843.0	3824.3	3786.8	3754.0	3763.3	3749.3	3716.5	3744.6	3754.0	3735.2
7.5°	3946.1	3908.6	3918.0	3875.8	3810.2	3805.5	3716.5	3693.0	3702.4	3711.8	3679.0
10°	4072.6	4096.1	4049.2	4016.4	3908.6	3838.3	3716.5	3585.2	3571.2	3514.9	3561.8
12.5°	4297.6	4241.4	4222.6	4114.8	4007.0	3772.7	3510.3	3308.7	3140.0	3079.1	3018.2
15°	4485.1	4475.7	4442.9	4278.9	4030.5	3604.0	3107.2	2638.5	2315.2	2113.7	2085.5
17.5°	4742.8	4700.6	4639.7	4382.0	3857.1	3163.4	2315.2	1724.7	1401.3	1274.8	1227.9
20°	4939.7	4906.9	4822.5	4358.5	3543.1	2357.4	1434.1	1096.7	1017.0	993.6	998.2
22.5°	5225.5	5122.4	4963.1	4241.4	2971.3	1570.0	1031.0	979.5	965.4	946.7	951.4
25°	5473.9	5380.2	5047.5	4039.8	2118.3	1040.4	956.1	927.9	904.5	881.1	876.4
27.5°	5694.2	5577.0	5136.5	3627.4	1326.3	895.1	885.8	853.0	806.1	768.6	754.5
30°	5909.8	5773.9	5159.9	2854.1	895.1	810.8	787.3	735.8	674.9	623.3	613.9
32.5°	6270.7	6106.6	5127.1	2038.7	773.3	721.7	670.2	609.3	520.2	478.0	468.7
35°	6833.0	6584.7	5084.9	1199.8	693.6	637.4	557.7	478.0	412.4	370.2	360.9
37.5°	7479.8	7048.6	4963.1	801.4	637.4	562.4	459.3	379.6	323.4	290.6	281.2
40°	8440.5	7728.2	4494.4	656.1	567.1	478.0	370.2	299.9	257.8	234.3	225.0
42.5°	9499.7	8506.2	3772.7	590.5	501.5	407.7	295.3	243.7	210.9	187.5	187.5
45°	10769.8	9316.9	2910.4	539.0	445.2	337.4	243.7	196.8	168.7	150.0	140.6
47.5°	12185.1	10052.7	1963.7	487.4	374.9	276.5	201.5	150.0	121.9	107.8	107.8
50°	13450.5	10704.2	1251.3	426.5	328.1	229.6	164.0	121.9	98.4	79.7	75.0
52.5°	14598.7	11200.9	862.3	374.9	281.2	187.5	135.9	98.4	75.0	60.9	60.9
55°	15775.1	11454.0	637.4	323.4	243.7	159.3	112.5	89.0	65.6	51.6	46.9
57.5°	16740.5	11561.8	487.4	281.2	206.2	126.5	98.4	75.0	56.2	42.2	37.5
60°	17565.3	11510.3	379.6	234.3	164.0	107.8	84.4	60.9	46.9	32.8	28.1
62.5°	18048.1	11200.9	299.9	201.5	131.2	93.7	70.3	51.6	32.8	23.4	18.7
65°	18057.4	10544.8	234.3	150.0	98.4	79.7	60.9	42.2	23.4	9.4	4.7
67.5°	16763.9	9124.8	187.5	117.2	79.7	60.9	46.9	32.8	9.4	0.0	0.0
70°	13113.1	6903.3	154.7	93.7	65.6	51.6	32.8	18.7	4.7	0.0	0.0
72.5°	8356.2	4133.6	126.5	75.0	56.2	37.5	23.4	14.1	0.0	0.0	0.0
75°	3496.2	1274.8	98.4	65.6	42.2	28.1	18.7	4.7	0.0	0.0	0.0
77.5°	899.8	403.0	79.7	56.2	42.2	23.4	14.1	4.7	0.0	0.0	0.0
80°	267.1	150.0	65.6	46.9	32.8	18.7	9.4	4.7	0.0	0.0	0.0
82.5°	121.9	89.0	56.2	42.2	28.1	18.7	9.4	0.0	0.0	0.0	0.0
85°	46.9	28.1	28.1	23.4	23.4	14.1	4.7	0.0	0.0	0.0	0.0
87.5°	18.7	9.4	9.4	9.4	4.7	4.7	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)