

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: P484060

Luminaire Tested: **IFLD-S-SA6A-750-U-SL2-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484060
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-750-U-SL2-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens with House Side Shield
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

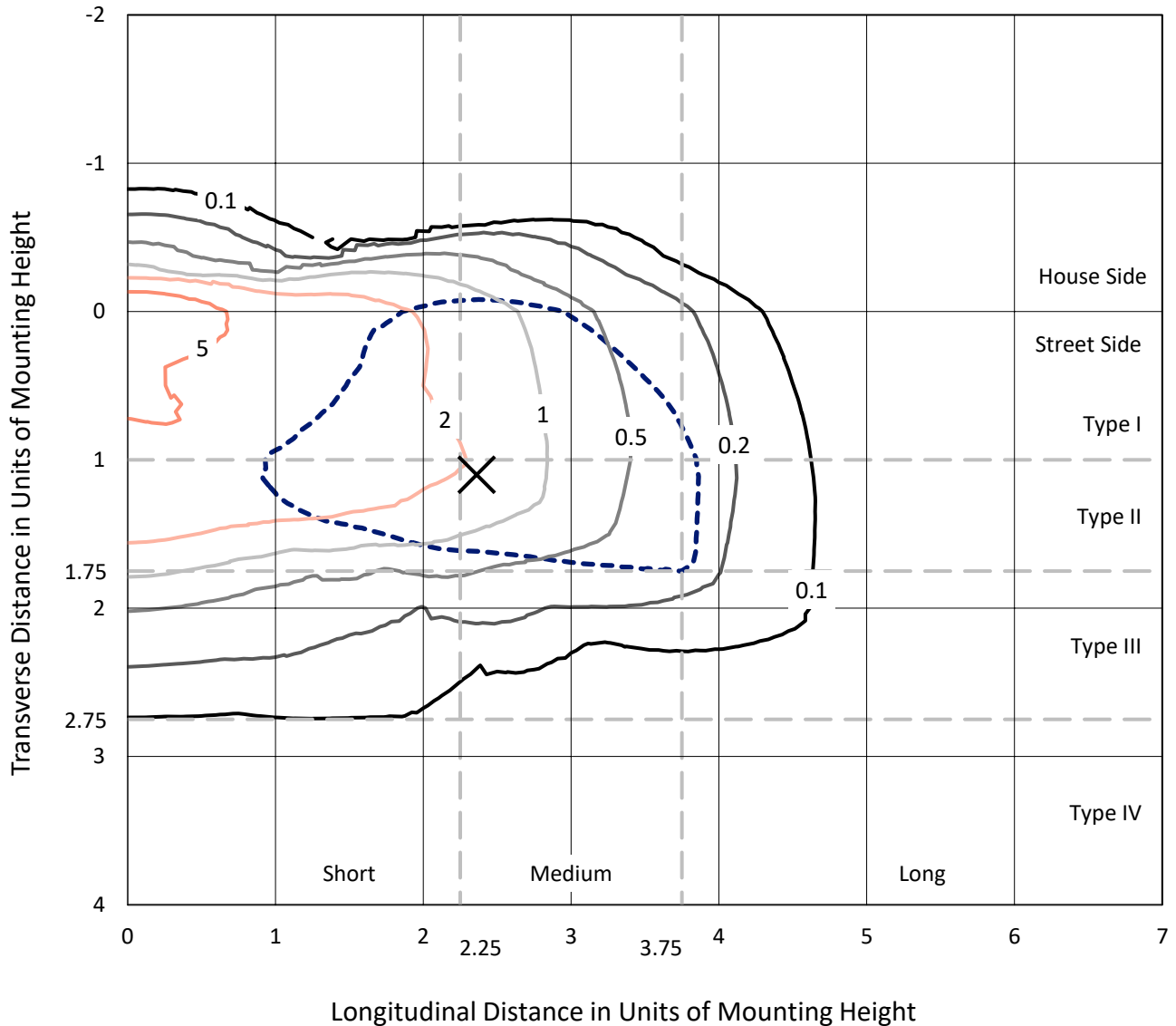
Lumens per Lamp: N/A
Luminaire Lumens: 22722.8 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G4

Input Watts (W): 189.6
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

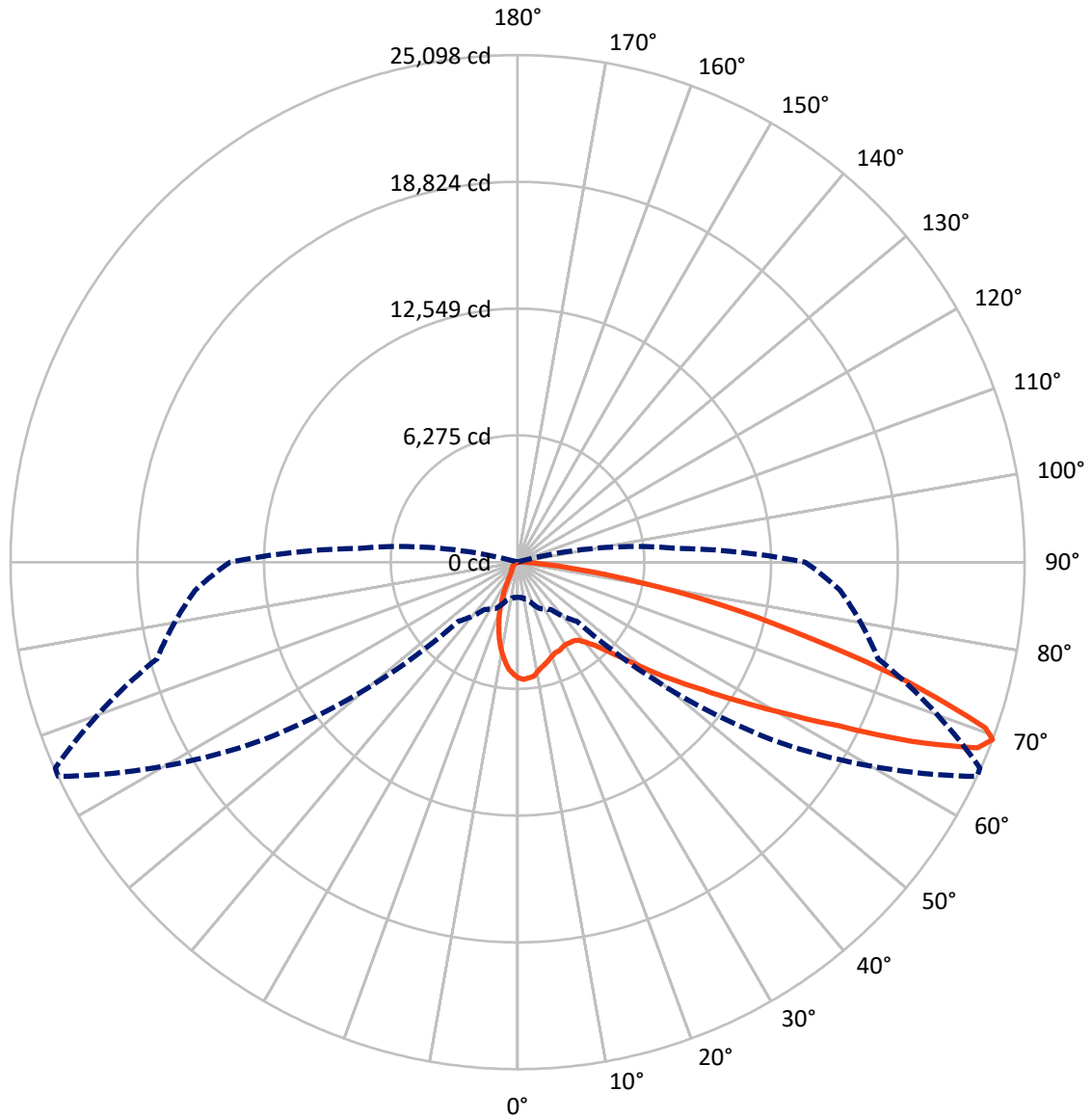
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2756.4	0.0	2756.4
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	19966.4	0.0	19966.4
	% Fixture	87.9	0.0	87.9
Total	Lumens	22722.8	0.0	22722.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	468.8	2.1
10°-20°	1025.8	4.5
20°-30°	1428.1	6.3
30°-40°	2023.7	8.9
40°-50°	3189.3	14.0
50°-60°	5175.2	22.8
60°-70°	5779.7	25.4
70°-80°	3254.6	14.3
80°-90°	377.7	1.7
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°	22722.8	100.0
0°-180°	22722.8	100.0



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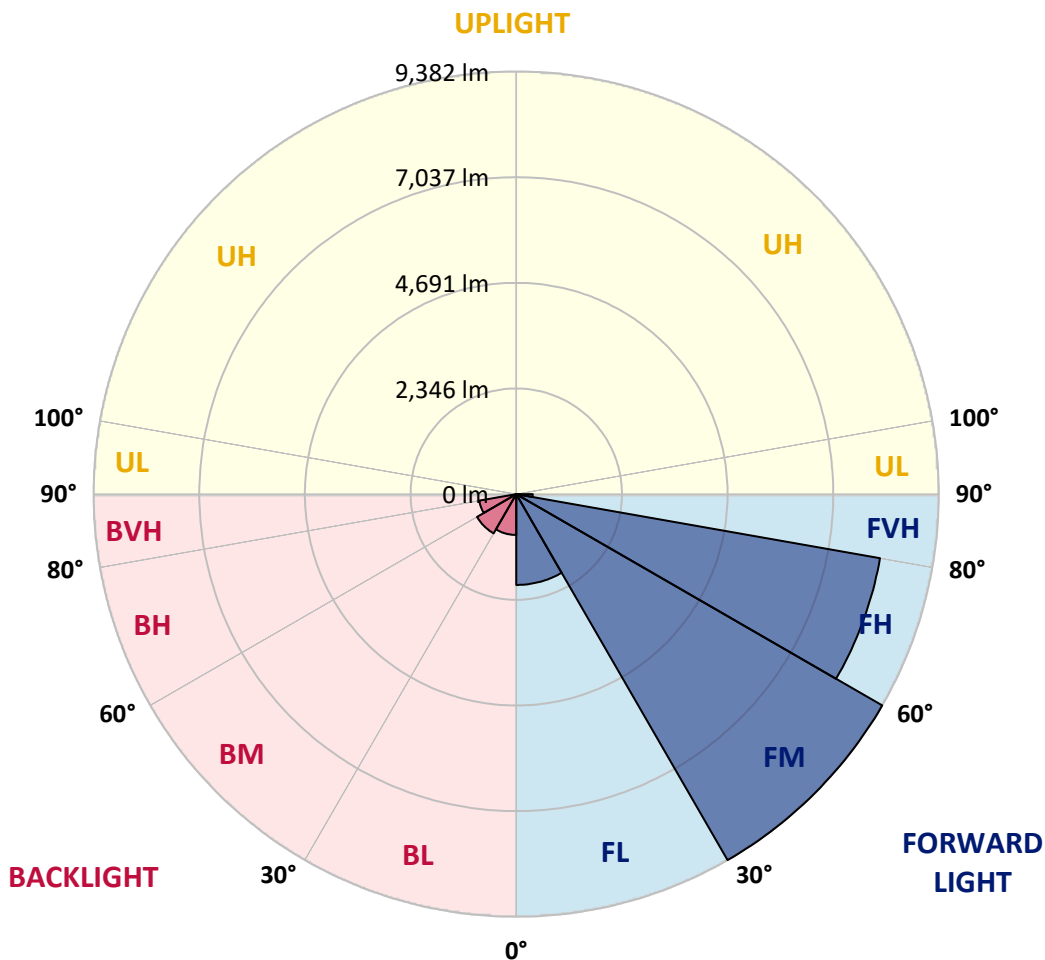
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2016.4	8.9			
FM (30°-60°)	9382.5	41.3			
FH (60°-80°)	8200.3	36.1			G4/12000
FVH (80°-90°)	367.2	1.6			G3/500
BL (0°-30°)	906.2	4.0	B2/1000		
BM (30°-60°)	1005.8	4.4	B2/2500		
BH (60°-80°)	834.0	3.7	B2/1000		G2/1000
BVH (80°-90°)	10.4	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	5729.0	5729.0	5729.0	5729.0	5729.0	5729.0	5729.0	5729.0	5729.0	5729.0	5729.0
2.5°	5517.5	5560.4	5572.6	5615.5	5637.0	5729.0	5781.1	5811.7	5796.4	5830.1	5833.2
5°	5125.1	5100.6	5164.9	5210.9	5309.0	5468.4	5630.9	5756.5	5814.8	5870.0	5860.8
7.5°	4705.2	4692.9	4757.3	4861.5	4950.4	5143.5	5404.0	5713.6	5701.4	5836.2	5876.1
10°	4417.0	4429.3	4450.7	4555.0	4686.8	4882.9	5207.9	5496.0	5560.4	5845.4	5925.1
12.5°	4153.4	4174.9	4214.7	4322.0	4475.3	4677.6	4993.3	5330.5	5428.6	5793.3	5952.7
15°	4067.6	4018.5	4098.2	4177.9	4337.3	4518.2	4784.9	5204.8	5247.7	5732.0	5998.7
17.5°	3997.1	3966.4	4003.2	4067.6	4236.2	4383.3	4634.7	5069.9	5149.6	5707.5	5992.6
20°	4018.5	3991.0	4006.3	4055.3	4132.0	4269.9	4502.9	4941.2	5027.0	5594.1	5983.4
22.5°	4079.9	4101.3	4073.7	4086.0	4110.5	4181.0	4432.4	4849.2	4922.8	5572.6	6035.5
25°	4355.7	4318.9	4282.2	4266.8	4122.8	4153.4	4410.9	4843.1	4895.2	5496.0	5992.6
27.5°	4643.9	4613.2	4597.9	4509.0	4312.8	4220.9	4414.0	4757.3	4827.8	5465.3	5940.5
30°	4993.3	5033.1	4971.8	4864.6	4591.7	4364.9	4447.7	4714.4	4812.4	5348.9	5906.7
32.5°	5361.1	5382.6	5413.2	5333.5	4981.0	4582.6	4548.8	4754.2	4760.3	5348.9	5830.1
35°	5778.0	5747.3	5827.0	5833.2	5523.6	4968.8	4741.9	4781.8	4846.2	5324.3	5802.5
37.5°	6136.6	6188.7	6280.7	6427.8	6109.0	5514.4	5042.3	4910.5	4938.1	5437.8	5824.0
40°	6529.0	6581.1	6789.5	6936.7	6755.8	6127.4	5499.1	5210.9	5232.4	5606.3	5934.3
42.5°	6961.2	7062.3	7310.6	7568.1	7519.1	6906.0	6087.6	5652.3	5643.1	6026.3	6161.2
45°	7546.6	7681.5	7951.3	8248.6	8291.5	7798.0	6872.3	6311.4	6342.0	6575.0	6630.1
47.5°	8362.0	8355.9	8619.5	8950.5	9198.8	8723.7	7810.3	7197.2	7194.1	7442.4	7326.0
50°	9149.8	9152.8	9223.3	9606.5	10250.2	10008.0	8972.0	8374.3	8340.5	8463.2	8276.2
52.5°	9514.5	9471.6	9419.5	9882.4	11059.4	11626.5	10443.3	9707.7	9680.1	9606.5	9557.5
55°	9131.4	9146.7	9143.6	9624.9	11485.5	13333.8	12331.5	11175.9	11129.9	10900.0	10967.5
57.5°	7902.2	7853.2	7960.5	8711.4	10998.1	14498.6	15032.0	13027.3	12907.8	12144.5	11991.3
60°	5882.2	5897.5	5986.4	6872.3	9787.3	14743.9	17616.0	15200.6	14685.6	13021.2	12809.7
62.5°	4107.4	4076.8	4110.5	4607.1	6998.0	13763.0	19363.2	17842.8	17346.3	14017.4	13894.8
65°	2939.6	2899.7	3034.6	3338.1	4202.5	10523.0	19611.5	21361.7	20917.3	15608.3	15314.0
67.5°	2115.0	2108.9	2265.2	2817.0	2985.6	6060.0	17772.3	24549.6	24279.9	17496.5	16178.4
69°	1750.3	1753.3	1903.5	2522.7	2850.7	4138.1	15292.5	25098.3	25049.2	18471.2	16015.9
70°	1526.5	1538.8	1713.5	2348.0	2795.5	3402.4	13183.6	24558.8	24509.8	18661.3	15479.5
72.5°	941.0	950.2	1180.1	1882.1	2657.6	2777.1	7883.8	20092.7	20261.3	17790.7	13336.9
75°	450.6	453.7	619.2	1361.0	2562.6	2633.1	4223.9	14826.6	15182.2	14363.8	10421.9
77.5°	239.1	239.1	297.3	723.4	2075.2	2476.7	2507.4	10458.6	10752.9	9082.3	5925.1
80°	119.5	122.6	180.8	377.0	1287.4	2427.7	1958.7	6237.8	6397.2	3705.9	1845.3
82.5°	46.0	49.0	85.8	226.8	668.2	2050.7	1719.6	3068.3	3028.5	867.5	450.6
85°	6.1	6.1	30.7	134.9	285.1	904.2	1419.2	1281.3	1238.4	190.0	217.6
87.5°	0.0	0.0	6.1	39.8	85.8	263.6	548.7	352.5	392.4	52.1	107.3
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°	5729.0	5729.0	5729.0	5729.0	5729.0	5729.0	5729.0	5729.0	5729.0	5729.0	5729.0
2.5°	5817.8	5753.5	5655.4	5560.4	5459.2	5336.6	5201.7	5152.7	5066.9	5060.7	5109.8
5°	5811.7	5707.5	5535.8	5333.5	5045.4	4827.8	4591.7	4420.1	4288.3	4202.5	4223.9
7.5°	5842.4	5716.7	5419.4	4984.1	4613.2	4181.0	3816.2	3564.9	3335.0	3221.6	3209.3
10°	5793.3	5624.7	5189.5	4579.5	4033.9	3430.0	2896.7	2559.5	2216.2	2090.5	2096.6
12.5°	5820.9	5584.9	4941.2	4162.6	3411.6	2626.9	1989.3	1529.6	1207.7	1103.5	1091.2
15°	5839.3	5499.1	4702.1	3663.0	2721.9	1790.1	1152.5	867.5	766.3	747.9	744.9
17.5°	5768.8	5394.8	4364.9	3169.5	2016.9	1088.2	766.3	708.1	689.7	677.4	671.3
20°	5765.7	5333.5	4073.7	2663.7	1345.6	741.8	662.1	640.6	613.1	603.9	603.9
22.5°	5713.6	5204.8	3724.3	2108.9	858.3	637.6	594.7	560.9	530.3	518.0	515.0
25°	5698.3	5054.6	3396.3	1584.7	652.9	570.1	527.2	478.2	441.4	423.0	413.8
27.5°	5655.4	4925.9	3065.3	1115.8	570.1	508.8	453.7	401.5	358.6	331.0	328.0
30°	5502.1	4791.0	2697.4	772.4	518.0	450.6	389.3	328.0	285.1	266.7	260.5
32.5°	5437.8	4665.3	2295.9	594.7	472.0	398.5	328.0	272.8	239.1	220.7	217.6
35°	5361.1	4481.4	1906.6	518.0	429.1	346.4	275.9	229.9	202.3	187.0	187.0
37.5°	5370.3	4334.3	1541.8	469.0	383.2	297.3	236.0	196.2	171.7	156.3	156.3
40°	5342.7	4217.8	1198.5	426.1	340.2	254.4	199.2	165.5	144.1	128.7	125.7
42.5°	5468.4	4187.1	904.2	389.3	297.3	217.6	171.7	141.0	119.5	101.2	101.2
45°	5679.9	4236.2	705.0	355.6	254.4	187.0	147.1	116.5	95.0	82.8	79.7
47.5°	6243.9	4429.3	551.7	328.0	217.6	162.5	122.6	95.0	76.6	64.4	61.3
50°	7062.3	4861.5	469.0	288.1	183.9	137.9	101.2	73.6	61.3	49.0	46.0
52.5°	8227.1	5588.0	426.1	254.4	153.3	113.4	79.7	58.2	46.0	36.8	33.7
55°	9496.1	6495.3	386.2	214.6	128.7	92.0	64.4	46.0	33.7	24.5	21.5
57.5°	10486.2	7280.0	352.5	177.8	104.2	73.6	49.0	33.7	24.5	15.3	12.3
60°	11568.3	7831.7	309.6	141.0	85.8	55.2	36.8	24.5	18.4	9.2	9.2
62.5°	12684.0	8478.5	254.4	110.3	67.4	42.9	27.6	18.4	12.3	3.1	3.1
65°	14235.0	8984.3	196.2	85.8	52.1	30.7	21.5	15.3	6.1	0.0	0.0
67.5°	14673.4	8736.0	144.1	67.4	36.8	21.5	15.3	9.2	3.1	0.0	0.0
69°	14235.0	7868.5	125.7	58.2	30.7	18.4	12.3	6.1	3.1	0.0	0.0
70°	13435.0	7194.1	110.3	49.0	27.6	18.4	9.2	6.1	3.1	0.0	0.0
72.5°	11237.2	5517.5	85.8	36.8	21.5	15.3	9.2	6.1	0.0	0.0	0.0
75°	8242.5	3408.6	64.4	27.6	18.4	12.3	9.2	6.1	0.0	0.0	0.0
77.5°	4417.0	1244.5	46.0	18.4	12.3	9.2	9.2	6.1	0.0	0.0	0.0
80°	1210.8	367.8	33.7	12.3	9.2	6.1	6.1	3.1	0.0	0.0	0.0
82.5°	331.0	95.0	21.5	12.3	9.2	6.1	3.1	0.0	0.0	0.0	0.0
85°	177.8	36.8	12.3	9.2	6.1	3.1	0.0	0.0	0.0	0.0	0.0
87.5°	92.0	12.3	9.2	6.1	6.1	3.1	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)