

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: P484489

Luminaire Tested: **IFLD-S-SA6A-760-U-SL3-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484489
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-760-U-SL3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

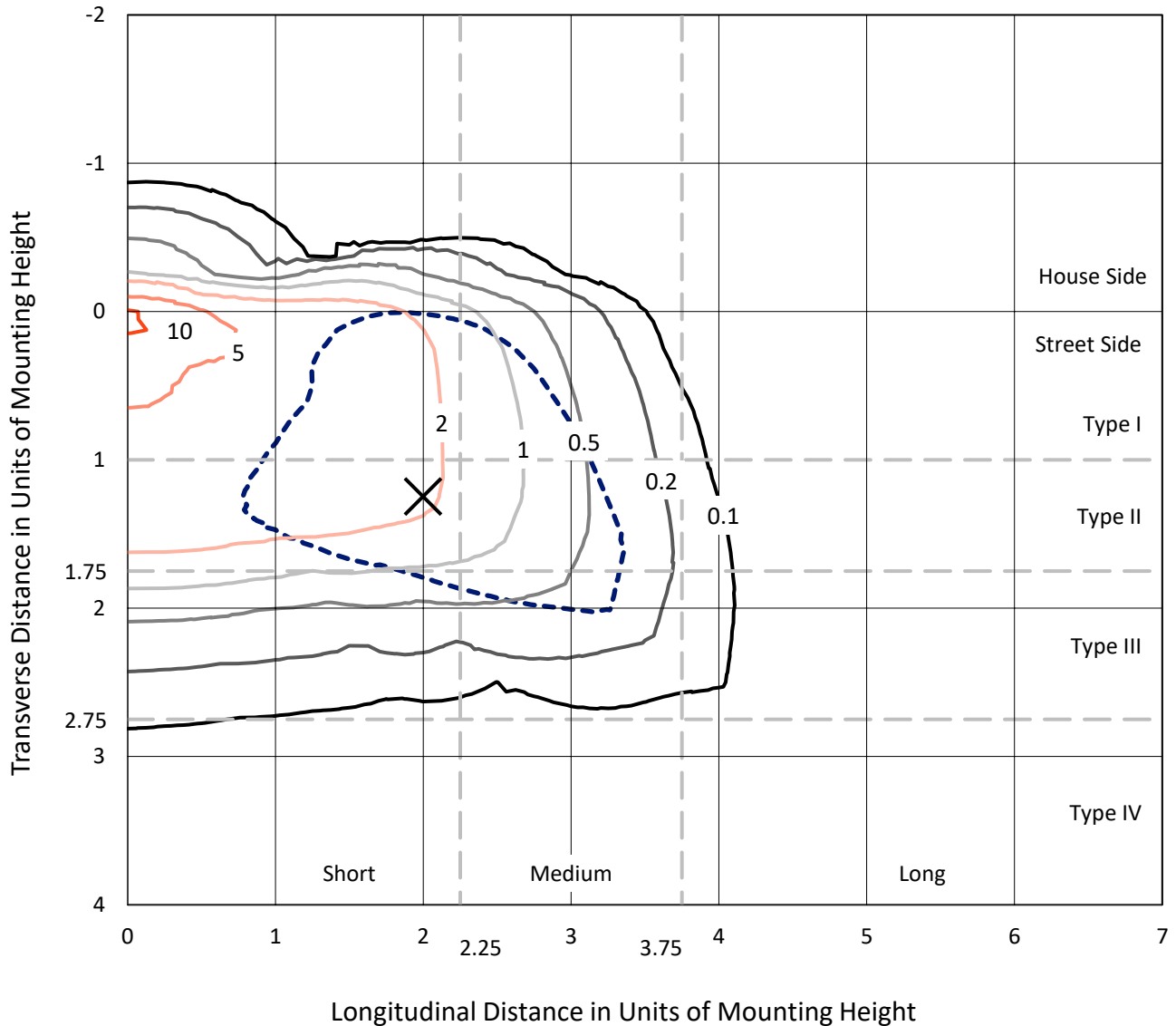
Lumens per Lamp: N/A
Luminaire Lumens: 23088.4 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

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

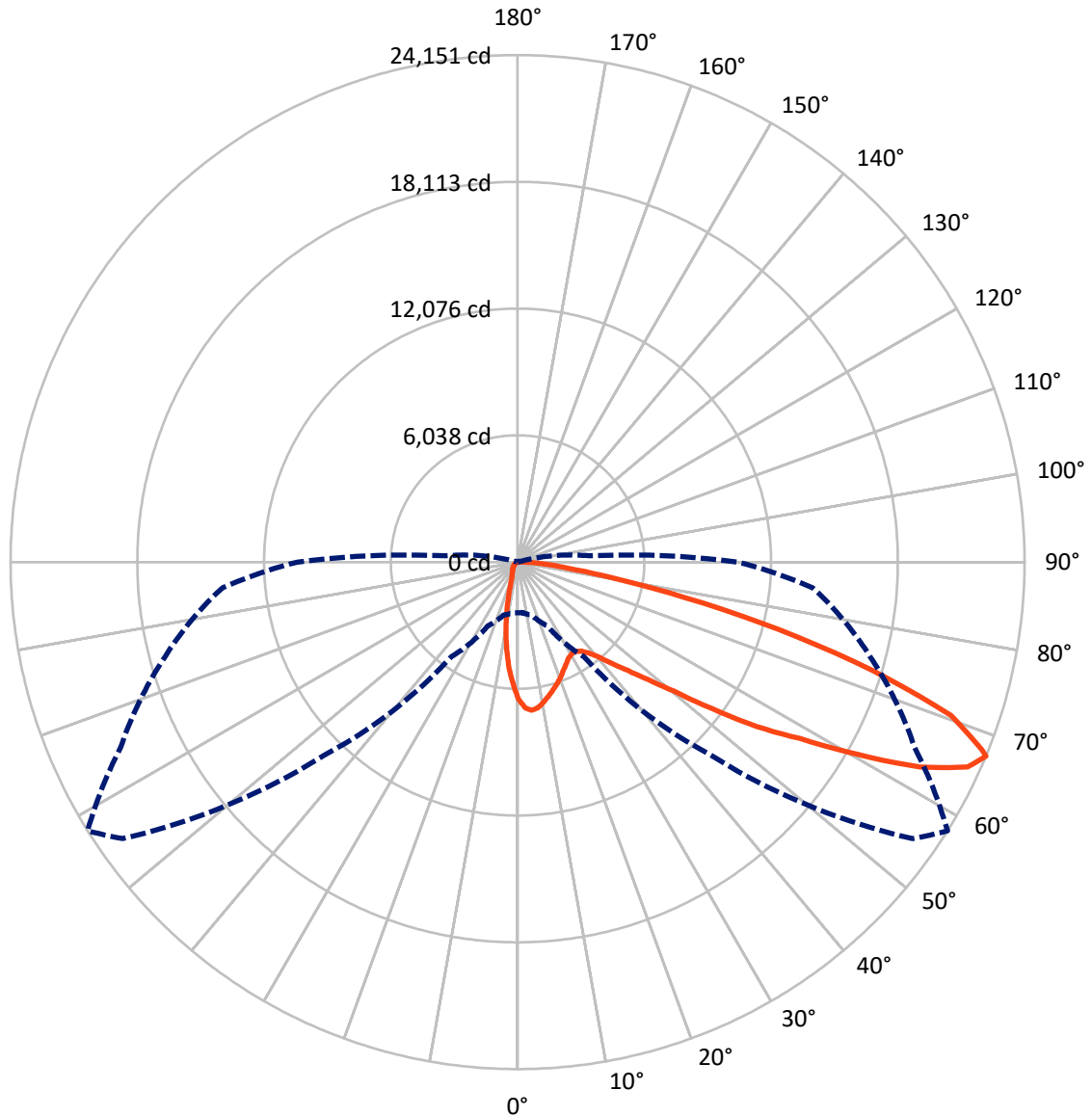
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1908.4	0.0	1908.4
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	21180.0	0.0	21180.0
	% Fixture	91.7	0.0	91.7
Total	Lumens	23088.4	0.0	23088.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	519.0	2.2
10°-20°	1076.5	4.7
20°-30°	1428.3	6.2
30°-40°	1979.2	8.6
40°-50°	3229.5	14.0
50°-60°	5676.5	24.6
60°-70°	6287.1	27.2
70°-80°	2605.4	11.3
80°-90°	286.8	1.2
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°	23088.4	100.0
0°-180°	23088.4	100.0



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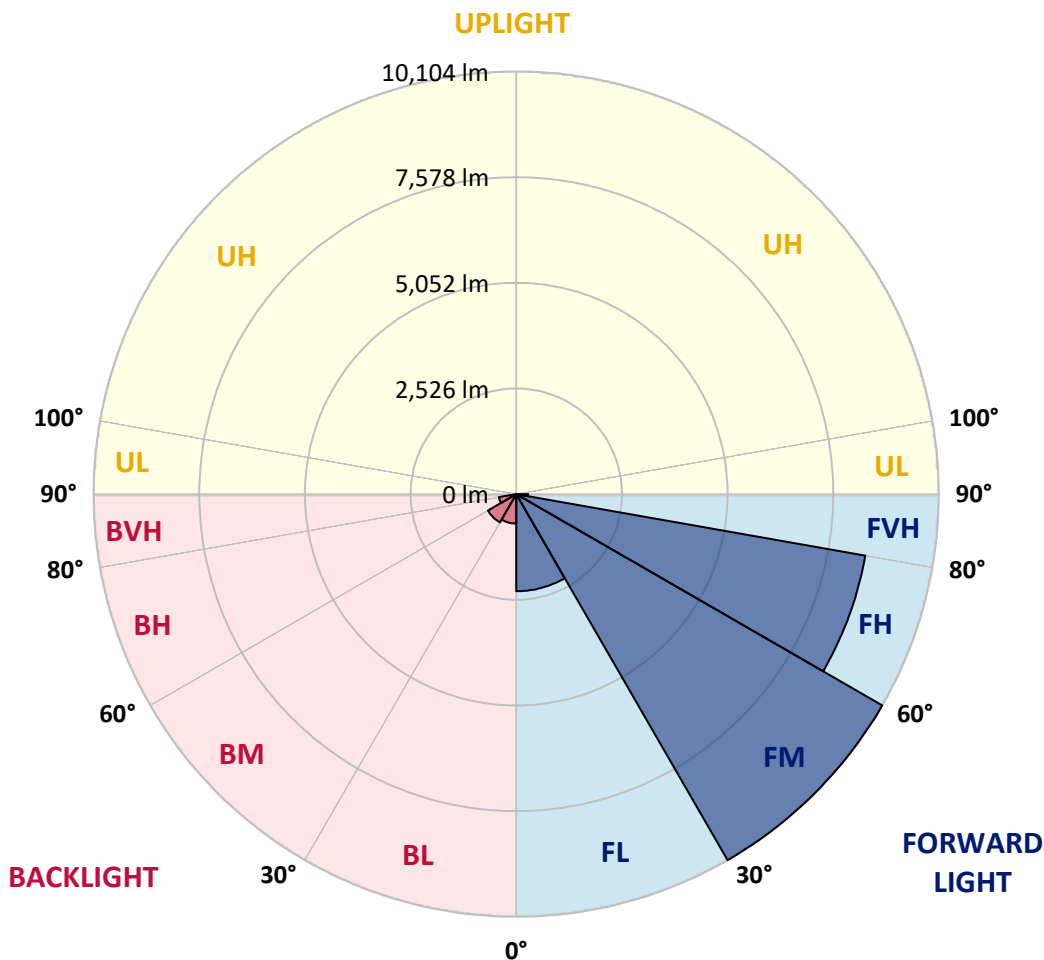
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2321.0	10.1			
FM	(30°-60°)	10104.0	43.8			
FH	(60°-80°)	8472.9	36.7			G4/12000
FVH	(80°-90°)	282.1	1.2			G3/500
BL	(0°-30°)	702.9	3.0	B2/1000		
BM	(30°-60°)	781.2	3.4	B1/1000		
BH	(60°-80°)	419.6	1.8	B1/500		G1/500
BVH	(80°-90°)	4.7	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°	58°	65°	75°	85°
0°	6541.3	6541.3	6541.3	6541.3	6541.3	6541.3	6541.3	6541.3	6541.3	6541.3	6541.3
2.5°	7117.5	7142.1	7163.5	7123.7	7157.4	7108.3	6982.7	6955.1	6933.6	6746.6	6639.4
5°	7114.5	7086.9	7108.3	7126.7	7080.8	7117.5	7086.9	7090.0	7007.2	6838.6	6538.2
7.5°	6639.4	6627.1	6639.4	6728.3	6829.4	6909.1	6955.1	7001.1	6945.9	6694.5	6403.3
10°	5998.7	6060.0	6093.7	6253.1	6409.5	6556.6	6700.7	6786.5	6771.2	6670.0	6256.2
12.5°	5551.2	5532.8	5655.4	5759.6	5916.0	6213.3	6464.6	6544.3	6636.3	6495.3	6063.1
15°	5137.4	5088.3	5161.9	5342.8	5609.4	5845.5	6198.0	6317.5	6434.0	6470.8	5958.9
17.5°	4742.0	4766.5	4843.1	5005.6	5256.9	5588.0	5919.0	6090.7	6369.6	6320.6	5802.5
20°	4551.9	4604.0	4631.6	4714.4	4889.1	5220.1	5713.7	5851.6	6148.9	6317.5	5649.3
22.5°	4561.1	4561.1	4496.7	4545.8	4705.2	4962.7	5434.7	5588.0	6060.0	6158.1	5511.3
25°	4659.2	4597.9	4601.0	4542.7	4610.2	4751.2	5183.4	5370.3	5879.2	6173.4	5437.8
27.5°	4732.8	4720.5	4702.1	4686.8	4601.0	4622.4	5017.8	5171.1	5808.7	6155.0	5324.4
30°	4999.4	4944.3	4925.9	4892.2	4778.7	4674.5	4886.0	5079.1	5753.5	6198.0	5260.0
32.5°	5223.2	5232.4	5247.7	5149.6	5051.6	4794.1	4922.8	5076.1	5713.7	6296.1	5324.4
35°	5505.2	5545.1	5551.2	5520.5	5416.3	5161.9	5076.1	5207.9	5781.1	6470.8	5330.5
37.5°	5934.3	5891.4	6007.9	6020.2	5946.6	5609.4	5431.6	5483.8	5980.3	6749.7	5563.5
40°	6213.3	6265.4	6483.0	6617.9	6492.2	6185.7	5946.6	5937.4	6268.5	7188.0	5851.6
42.5°	6522.9	6639.4	6878.5	7169.7	7154.3	6869.3	6627.1	6587.3	6780.4	7822.6	6308.3
45°	6945.9	7050.1	7384.2	7822.6	8061.6	7819.5	7454.7	7375.0	7402.6	8687.0	7086.9
47.5°	7647.8	7620.2	8101.5	8533.7	8926.0	8739.1	8582.7	8349.8	8328.3	9704.6	8162.8
50°	8441.7	8435.6	8864.7	9355.2	9808.8	10173.6	9913.1	9658.6	9664.8	11087.1	9428.8
52.5°	9195.8	9315.3	9778.2	10265.6	11044.1	11436.5	11687.8	11586.7	11099.3	12322.4	10783.6
55°	9594.3	9698.5	10158.3	10998.2	12227.3	13235.8	13916.3	13830.5	12889.4	13714.0	12120.1
57.5°	9217.2	9287.7	9910.0	11010.4	13055.0	15304.9	15957.8	15850.5	14740.9	14777.6	13735.4
60°	7638.6	7749.0	8674.7	9965.2	12733.1	16898.8	18768.6	18606.1	16426.7	16123.3	14774.6
62.5°	5290.6	5364.2	6124.4	7730.6	11206.6	17453.6	21423.1	21512.0	18204.6	17171.6	15084.2
65°	3427.0	3420.8	3856.1	4944.3	7942.1	15773.8	22992.5	23544.3	19921.1	17331.0	14989.1
67°	2421.6	2412.4	2617.7	3353.4	5499.1	12996.7	22965.0	24151.2	20853.0	17377.0	14109.4
67.5°	2234.6	2225.4	2421.6	3083.7	4962.7	12086.3	22621.6	23838.6	21181.0	17312.6	13723.2
70°	1734.9	1710.4	1784.0	2124.2	2890.5	7816.4	19360.2	21898.2	20500.5	15706.4	10958.3
72.5°	1253.7	1281.3	1397.8	1744.1	2268.3	4205.5	14756.2	17708.0	17122.6	11838.0	6964.3
75°	873.6	898.1	1085.1	1422.3	2081.3	2550.3	9977.4	12843.5	11926.9	6535.1	2967.2
77.5°	456.7	487.4	692.7	1137.2	1891.3	1974.0	5961.9	8144.4	6320.6	2326.5	818.4
80°	211.5	226.8	346.4	806.2	1581.7	1734.9	3476.0	4530.5	2528.8	521.1	282.0
82.5°	92.0	101.2	159.4	462.9	1121.9	1517.3	2151.8	2375.6	916.5	168.6	174.7
85°	18.4	21.5	61.3	245.2	542.6	919.6	1511.2	1410.0	459.8	82.8	137.9
87.5°	0.0	0.0	15.3	70.5	147.1	272.8	640.6	640.6	141.0	42.9	52.1
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°	6541.3	6541.3	6541.3	6541.3	6541.3	6541.3	6541.3	6541.3	6541.3	6541.3	6541.3
2.5°	6544.3	6434.0	6191.8	5968.1	5808.7	5627.8	5388.7	5281.4	5241.6	5186.4	5103.7
5°	6372.7	6237.8	5824.0	5407.1	4950.4	4604.0	4236.2	4021.6	3859.2	3758.0	3724.3
7.5°	6130.5	5854.7	5296.8	4628.5	4037.0	3522.0	2964.1	2587.1	2344.9	2246.8	2154.9
10°	5937.4	5578.8	4729.7	3899.0	3111.2	2357.2	1728.8	1397.8	1146.4	1051.4	1039.1
12.5°	5686.1	5256.9	4199.4	3154.2	2164.1	1403.9	956.4	830.7	760.2	747.9	738.7
15°	5477.6	4965.7	3696.7	2443.0	1400.8	876.7	744.9	714.2	695.8	689.7	692.7
17.5°	5336.6	4653.1	3181.7	1777.9	922.6	717.3	686.6	668.2	659.0	656.0	646.8
20°	5057.7	4389.5	2672.9	1244.5	720.3	662.1	637.6	622.2	613.1	610.0	606.9
22.5°	4898.3	4055.3	2164.1	867.5	640.6	600.8	582.4	570.1	554.8	545.6	542.6
25°	4738.9	3810.1	1710.4	674.4	582.4	554.8	527.2	511.9	487.4	475.1	472.1
27.5°	4551.9	3568.0	1318.1	585.5	524.2	496.6	469.0	444.5	413.8	401.5	395.4
30°	4444.6	3331.9	993.1	524.2	481.2	444.5	410.7	380.1	346.4	324.9	318.8
32.5°	4389.5	3117.4	744.9	478.2	435.3	395.4	352.5	315.7	285.1	266.7	263.6
35°	4322.0	2908.9	585.5	435.3	392.4	349.4	306.5	269.7	239.1	223.8	217.6
37.5°	4392.5	2786.3	487.4	401.5	358.6	309.6	263.6	226.8	202.3	187.0	183.9
40°	4585.6	2685.2	423.0	370.9	324.9	272.8	229.9	193.1	171.7	159.4	153.3
42.5°	4883.0	2685.2	383.2	340.2	294.3	239.1	196.2	168.6	147.1	134.9	131.8
45°	5422.5	2767.9	349.4	309.6	257.5	205.4	168.6	141.0	119.5	107.3	104.2
47.5°	6179.6	2958.0	321.9	282.0	229.9	180.9	147.1	119.5	98.1	85.8	82.8
50°	7197.2	3390.2	294.3	248.3	205.4	156.3	122.6	95.0	76.6	64.4	61.3
52.5°	8466.3	4003.2	266.7	229.9	174.7	131.8	98.1	76.6	58.2	49.0	46.0
55°	9808.8	4754.2	233.0	205.4	150.2	110.3	79.7	58.2	42.9	36.8	33.7
57.5°	11160.6	5333.6	205.4	177.8	122.6	88.9	64.4	46.0	30.7	24.5	21.5
60°	11877.9	5388.7	177.8	147.1	98.1	70.5	49.0	33.7	21.5	15.3	12.3
62.5°	11988.2	4898.3	153.3	119.5	79.7	55.2	33.7	24.5	12.3	6.1	6.1
65°	11421.2	4082.9	131.8	95.0	61.3	39.8	24.5	15.3	6.1	3.1	0.0
67°	10501.6	3420.8	113.4	79.7	49.0	30.7	18.4	9.2	3.1	0.0	0.0
67.5°	10146.0	3236.9	107.3	73.6	46.0	27.6	15.3	9.2	3.1	0.0	0.0
70°	7874.7	2311.2	79.7	52.1	33.7	21.5	12.3	6.1	0.0	0.0	0.0
72.5°	4824.7	1351.8	61.3	36.8	24.5	15.3	9.2	3.1	0.0	0.0	0.0
75°	2023.1	465.9	52.1	27.6	18.4	9.2	6.1	3.1	0.0	0.0	0.0
77.5°	527.2	174.7	36.8	18.4	12.3	9.2	6.1	3.1	0.0	0.0	0.0
80°	214.6	79.7	24.5	12.3	12.3	9.2	6.1	3.1	0.0	0.0	0.0
82.5°	141.0	36.8	15.3	12.3	9.2	6.1	3.1	0.0	0.0	0.0	0.0
85°	107.3	21.5	9.2	9.2	6.1	3.1	0.0	0.0	0.0	0.0	0.0
87.5°	46.0	12.3	9.2	6.1	6.1	0.0	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)