

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: P484334

Luminaire Tested: **IFLD-S-SA6B-730-U-SL3-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484334
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-730-U-SL3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield
Light Source: (96) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

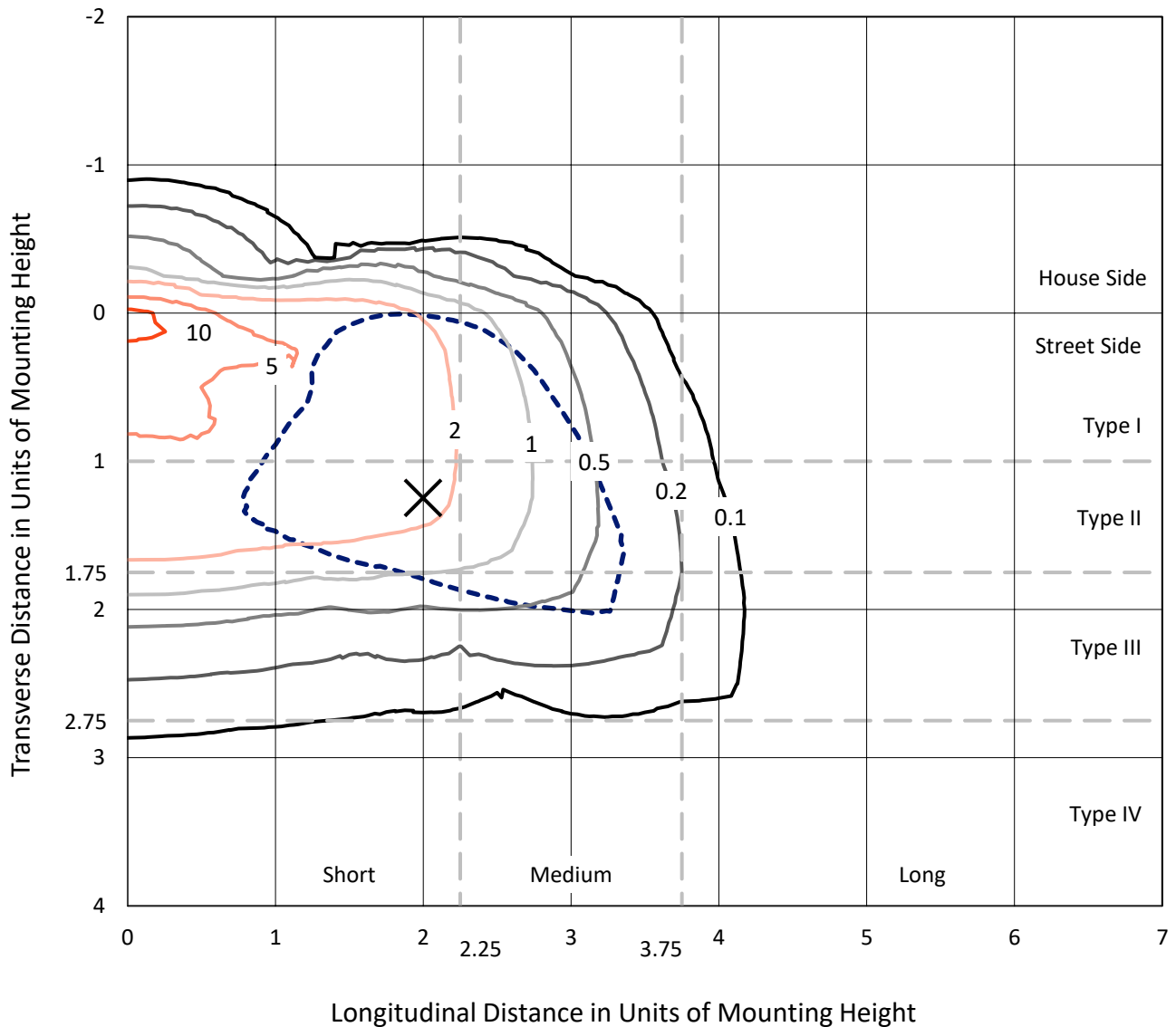
Lumens per Lamp: N/A
Luminaire Lumens: 25419.6 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 244.9
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

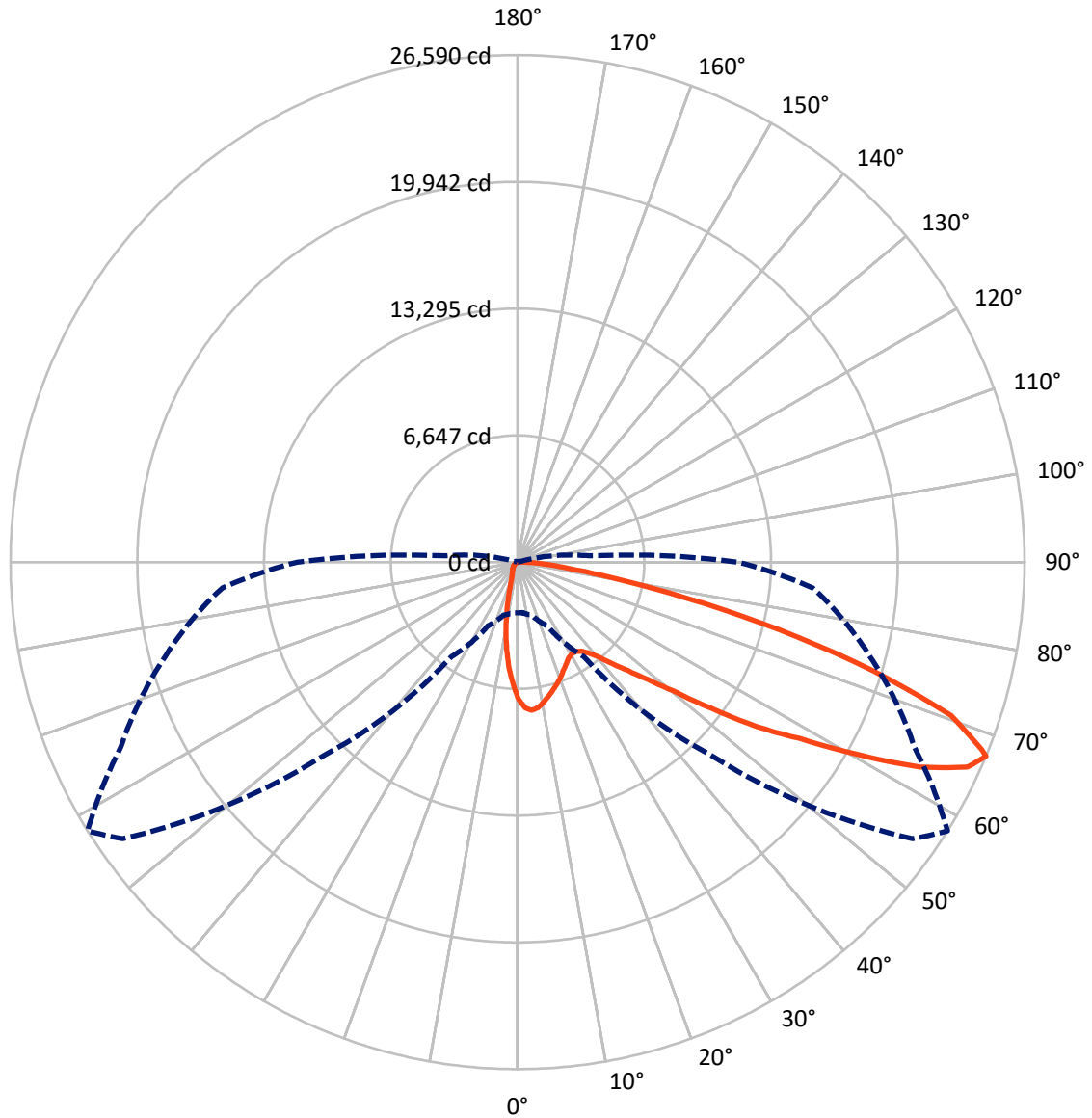
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 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	2101.1	0.0	2101.1
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	23318.5	0.0	23318.5
	% Fixture	91.7	0.0	91.7
Total	Lumens	25419.6	0.0	25419.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	571.4	2.2
10°-20°	1185.2	4.7
20°-30°	1572.6	6.2
30°-40°	2179.1	8.6
40°-50°	3555.6	14.0
50°-60°	6249.6	24.6
60°-70°	6921.9	27.2
70°-80°	2868.4	11.3
80°-90°	315.8	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°	25419.6	100.0
0°-180°	25419.6	100.0

Coefficient of Utilization



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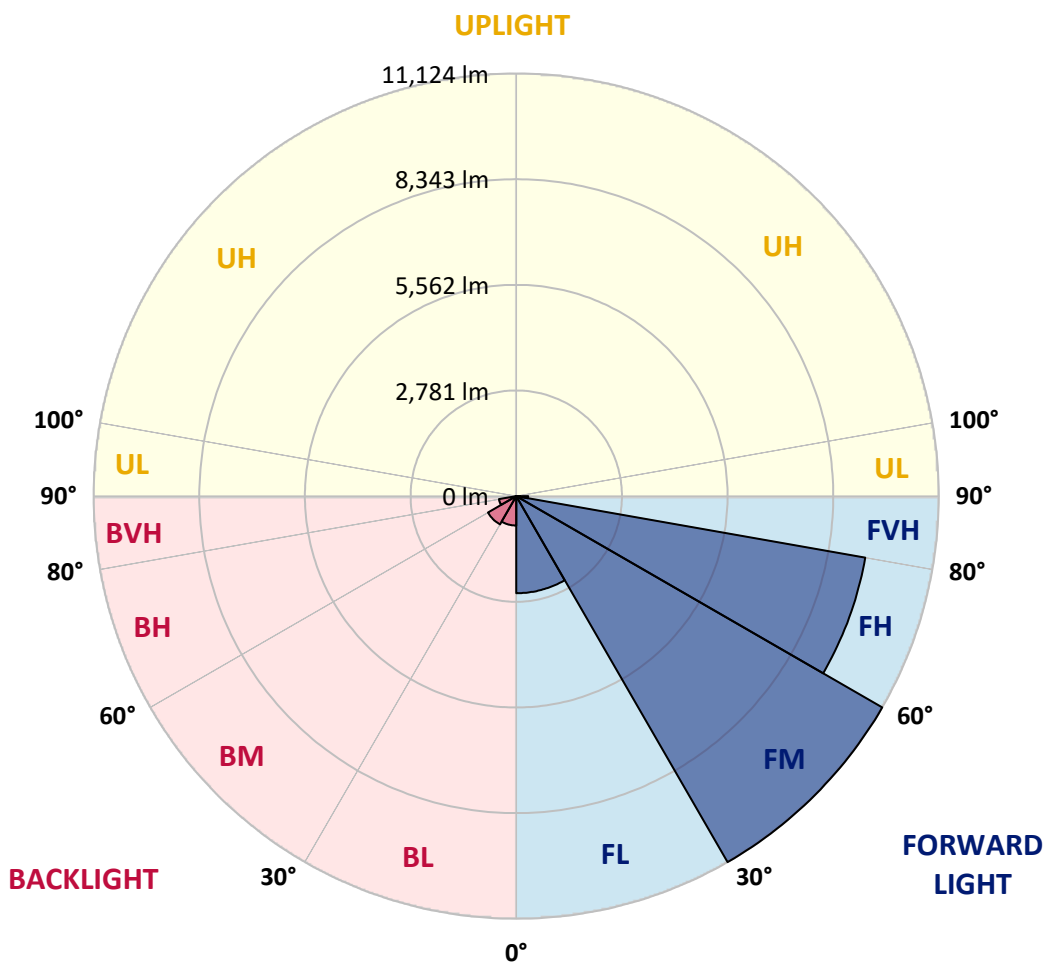
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2555.4	10.1			
FM (30°-60°)	11124.1	43.8			
FH (60°-80°)	9328.4	36.7			G4/12000
FVH (80°-90°)	310.6	1.2			G3/500
BL (0°-30°)	773.8	3.0	B2/1000		
BM (30°-60°)	860.1	3.4	B1/1000		
BH (60°-80°)	461.9	1.8	B1/500		G1/500
BVH (80°-90°)	5.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	7201.7	7201.7	7201.7	7201.7	7201.7	7201.7	7201.7	7201.7	7201.7	7201.7	7201.7
2.5°	7836.2	7863.2	7886.8	7842.9	7880.1	7826.1	7687.7	7657.3	7633.7	7427.8	7309.7
5°	7832.8	7802.4	7826.1	7846.3	7795.7	7836.2	7802.4	7805.8	7714.7	7529.1	7198.4
7.5°	7309.7	7296.2	7309.7	7407.6	7519.0	7606.7	7657.3	7707.9	7647.2	7370.5	7049.9
10°	6604.4	6671.9	6709.0	6884.5	7056.6	7218.6	7377.2	7471.7	7454.8	7343.5	6887.9
12.5°	6111.7	6091.4	6226.4	6341.2	6513.3	6840.6	7117.4	7205.1	7306.3	7151.1	6675.3
15°	5656.1	5602.1	5683.1	5882.2	6175.8	6435.7	6823.8	6955.4	7083.6	7124.1	6560.5
17.5°	5220.7	5247.7	5332.1	5511.0	5787.7	6152.2	6516.7	6705.6	7012.7	6958.7	6388.4
20°	5011.5	5068.9	5099.3	5190.4	5382.7	5747.2	6290.5	6442.4	6769.8	6955.4	6219.7
22.5°	5021.6	5021.6	4950.8	5004.8	5180.3	5463.7	5983.4	6152.2	6671.9	6779.9	6067.8
25°	5129.6	5062.1	5065.5	5001.4	5075.6	5230.9	5706.7	5912.6	6472.8	6796.8	5986.8
27.5°	5210.6	5197.1	5176.9	5160.0	5065.5	5089.1	5524.5	5693.2	6395.2	6776.5	5862.0
30°	5504.2	5443.5	5423.2	5386.1	5261.2	5146.5	5379.4	5592.0	6334.4	6823.8	5791.1
32.5°	5750.6	5760.7	5777.6	5669.6	5561.6	5278.1	5419.9	5588.6	6290.5	6931.7	5862.0
35°	6061.1	6104.9	6111.7	6077.9	5963.2	5683.1	5588.6	5733.7	6364.8	7124.1	5868.7
37.5°	6533.5	6486.3	6614.5	6628.0	6547.0	6175.8	5980.1	6037.4	6584.1	7431.2	6125.2
40°	6840.6	6898.0	7137.6	7286.1	7147.7	6810.3	6547.0	6536.9	6901.4	7913.8	6442.4
42.5°	7181.5	7309.7	7573.0	7893.6	7876.7	7562.8	7296.2	7252.4	7465.0	8612.4	6945.2
45°	7647.2	7761.9	8129.8	8612.4	8875.6	8609.0	8207.4	8119.7	8150.0	9564.1	7802.4
47.5°	8420.0	8389.6	8919.5	9395.3	9827.3	9621.4	9449.3	9192.8	9169.2	10684.5	8987.0
50°	9294.1	9287.3	9759.8	10299.8	10799.2	11200.8	10914.0	10633.9	10640.6	12206.5	10380.8
52.5°	10124.3	10255.9	10765.5	11302.1	12159.2	12591.2	12867.9	12756.6	12220.0	13566.5	11872.4
55°	10563.0	10677.7	11183.9	12108.6	13461.9	14572.2	15321.4	15226.9	14190.9	15098.7	13343.8
57.5°	10147.9	10225.5	10910.6	12122.1	14373.1	16850.2	17569.0	17450.9	16229.2	16269.7	15122.3
60°	8409.9	8531.4	9550.6	10971.3	14018.7	18605.0	20663.6	20484.8	18085.3	17751.2	16266.3
62.5°	5824.8	5905.8	6742.8	8511.1	12338.1	19215.9	23586.2	23684.0	20042.7	18905.4	16607.2
65°	3773.0	3766.2	4245.4	5443.5	8744.0	17366.5	25314.0	25921.5	21932.5	19080.9	16502.6
67°	2666.1	2655.9	2882.0	3692.0	6054.3	14309.0	25283.7	26589.7	22958.5	19131.5	15534.0
67.5°	2460.2	2450.1	2666.1	3395.0	5463.7	13306.7	24905.7	26245.5	23319.6	19060.6	15108.8
70°	1910.1	1883.1	1964.1	2338.7	3182.4	8605.6	21315.0	24109.3	22570.4	17292.3	12064.8
72.5°	1380.3	1410.6	1538.9	1920.2	2497.3	4630.2	16246.1	19496.0	18851.4	13033.3	7667.4
75°	961.8	988.8	1194.7	1565.9	2291.5	2807.8	10984.8	14140.2	13131.2	7195.0	3266.8
77.5°	502.8	536.6	762.7	1252.0	2082.2	2173.3	6563.9	8966.7	6958.7	2561.4	901.1
80°	232.9	249.7	381.3	887.6	1741.4	1910.1	3827.0	4987.9	2784.2	573.7	310.5
82.5°	101.2	111.4	175.5	509.6	1235.2	1670.5	2369.1	2615.4	1009.1	185.6	192.4
85°	20.2	23.6	67.5	270.0	597.3	1012.4	1663.8	1552.4	506.2	91.1	151.9
87.5°	0.0	0.0	16.9	77.6	162.0	300.4	705.3	705.3	155.2	47.2	57.4
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°	7201.7	7201.7	7201.7	7201.7	7201.7	7201.7	7201.7	7201.7	7201.7	7201.7	7201.7
2.5°	7205.1	7083.6	6817.0	6570.7	6395.2	6196.1	5932.8	5814.7	5770.8	5710.1	5619.0
5°	7016.1	6867.6	6412.0	5953.1	5450.2	5068.9	4663.9	4427.7	4248.8	4137.5	4100.3
7.5°	6749.5	6445.8	5831.6	5095.9	4444.6	3877.6	3263.4	2848.3	2581.7	2473.7	2372.5
10°	6536.9	6142.1	5207.2	4292.7	3425.4	2595.2	1903.4	1538.9	1262.2	1157.5	1144.0
12.5°	6260.2	5787.7	4623.4	3472.6	2382.6	1545.6	1052.9	914.6	836.9	823.4	813.3
15°	6030.7	5467.1	4070.0	2689.7	1542.3	965.2	820.1	786.3	766.1	759.3	762.7
17.5°	5875.5	5122.9	3503.0	1957.4	1015.8	789.7	755.9	735.7	725.6	722.2	712.1
20°	5568.3	4832.7	2942.8	1370.2	793.1	728.9	701.9	685.1	675.0	671.6	668.2
22.5°	5392.9	4464.8	2382.6	955.1	705.3	661.5	641.2	627.7	610.8	600.7	597.3
25°	5217.4	4194.8	1883.1	742.4	641.2	610.8	580.5	563.6	536.6	523.1	519.7
27.5°	5011.5	3928.2	1451.1	644.6	577.1	546.7	516.3	489.3	455.6	442.1	435.3
30°	4893.4	3668.4	1093.4	577.1	529.8	489.3	452.2	418.5	381.3	357.7	351.0
32.5°	4832.7	3432.1	820.1	526.5	479.2	435.3	388.1	347.6	313.9	293.6	290.2
35°	4758.4	3202.6	644.6	479.2	432.0	384.7	337.5	297.0	263.2	246.4	239.6
37.5°	4836.0	3067.7	536.6	442.1	394.8	340.9	290.2	249.7	222.7	205.9	202.5
40°	5048.6	2956.3	465.7	408.3	357.7	300.4	253.1	212.6	189.0	175.5	168.7
42.5°	5376.0	2956.3	421.8	374.6	324.0	263.2	216.0	185.6	162.0	148.5	145.1
45°	5969.9	3047.4	384.7	340.9	283.5	226.1	185.6	155.2	131.6	118.1	114.7
47.5°	6803.5	3256.6	354.3	310.5	253.1	199.1	162.0	131.6	108.0	94.5	91.1
50°	7923.9	3732.5	324.0	273.4	226.1	172.1	135.0	104.6	84.4	70.9	67.5
52.5°	9321.1	4407.4	293.6	253.1	192.4	145.1	108.0	84.4	64.1	54.0	50.6
55°	10799.2	5234.2	256.5	226.1	165.4	121.5	87.7	64.1	47.2	40.5	37.1
57.5°	12287.5	5872.1	226.1	195.7	135.0	97.9	70.9	50.6	33.7	27.0	23.6
60°	13077.2	5932.8	195.7	162.0	108.0	77.6	54.0	37.1	23.6	16.9	13.5
62.5°	13198.7	5392.9	168.7	131.6	87.7	60.7	37.1	27.0	13.5	6.7	6.7
65°	12574.3	4495.2	145.1	104.6	67.5	43.9	27.0	16.9	6.7	3.4	0.0
67°	11561.9	3766.2	124.9	87.7	54.0	33.7	20.2	10.1	3.4	0.0	0.0
67.5°	11170.4	3563.7	118.1	81.0	50.6	30.4	16.9	10.1	3.4	0.0	0.0
70°	8669.7	2544.6	87.7	57.4	37.1	23.6	13.5	6.7	0.0	0.0	0.0
72.5°	5311.9	1488.3	67.5	40.5	27.0	16.9	10.1	3.4	0.0	0.0	0.0
75°	2227.3	513.0	57.4	30.4	20.2	10.1	6.7	3.4	0.0	0.0	0.0
77.5°	580.5	192.4	40.5	20.2	13.5	10.1	6.7	3.4	0.0	0.0	0.0
80°	236.2	87.7	27.0	13.5	13.5	10.1	6.7	3.4	0.0	0.0	0.0
82.5°	155.2	40.5	16.9	13.5	10.1	6.7	3.4	0.0	0.0	0.0	0.0
85°	118.1	23.6	10.1	10.1	6.7	3.4	0.0	0.0	0.0	0.0	0.0
87.5°	50.6	13.5	10.1	6.7	6.7	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)