

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: P484321

Luminaire Tested: **IFLD-S-SA3D-730-U-SL3-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484321
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-730-U-SL3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

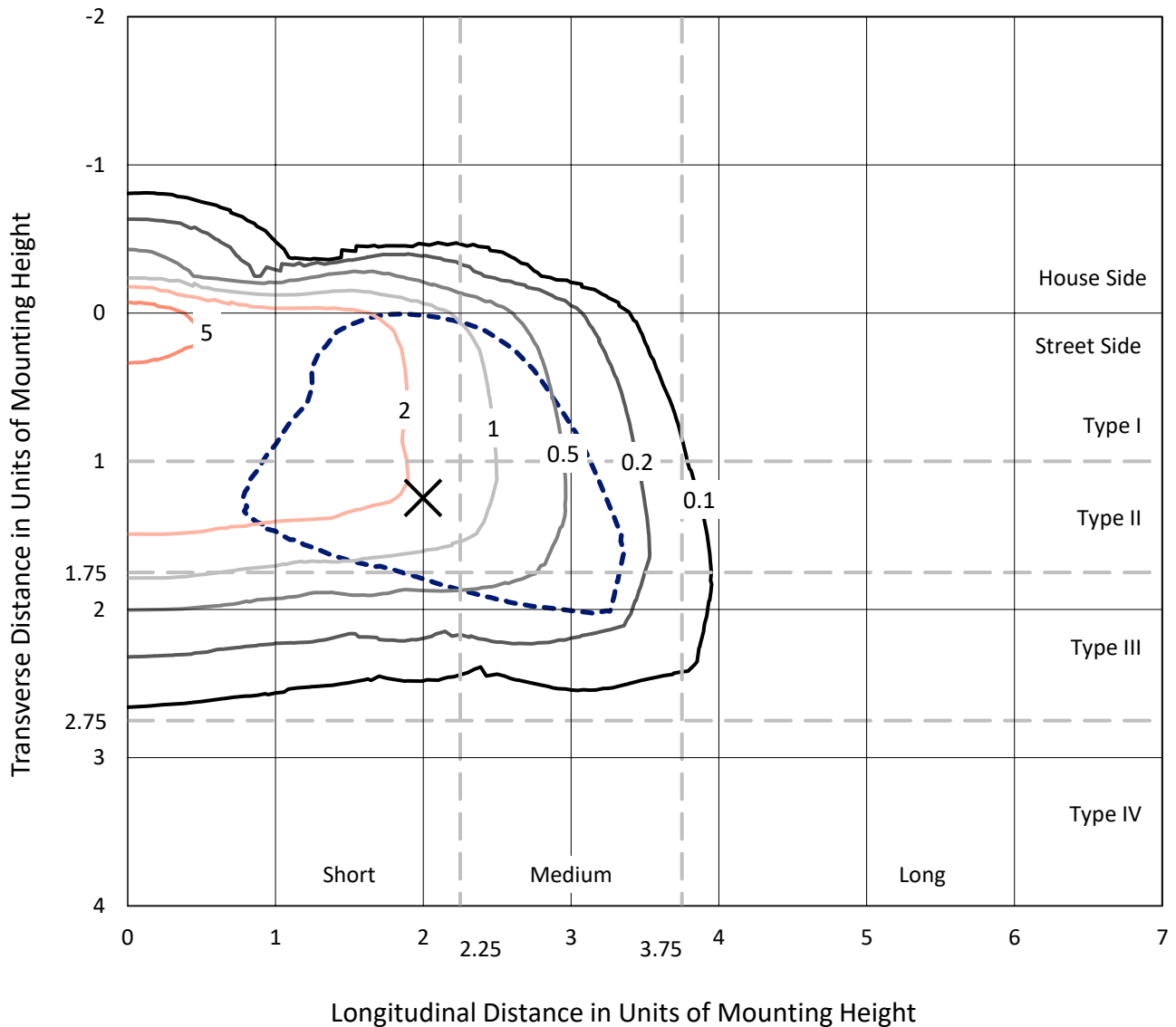
Lumens per Lamp: N/A
Luminaire Lumens: 17749 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 184.1
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

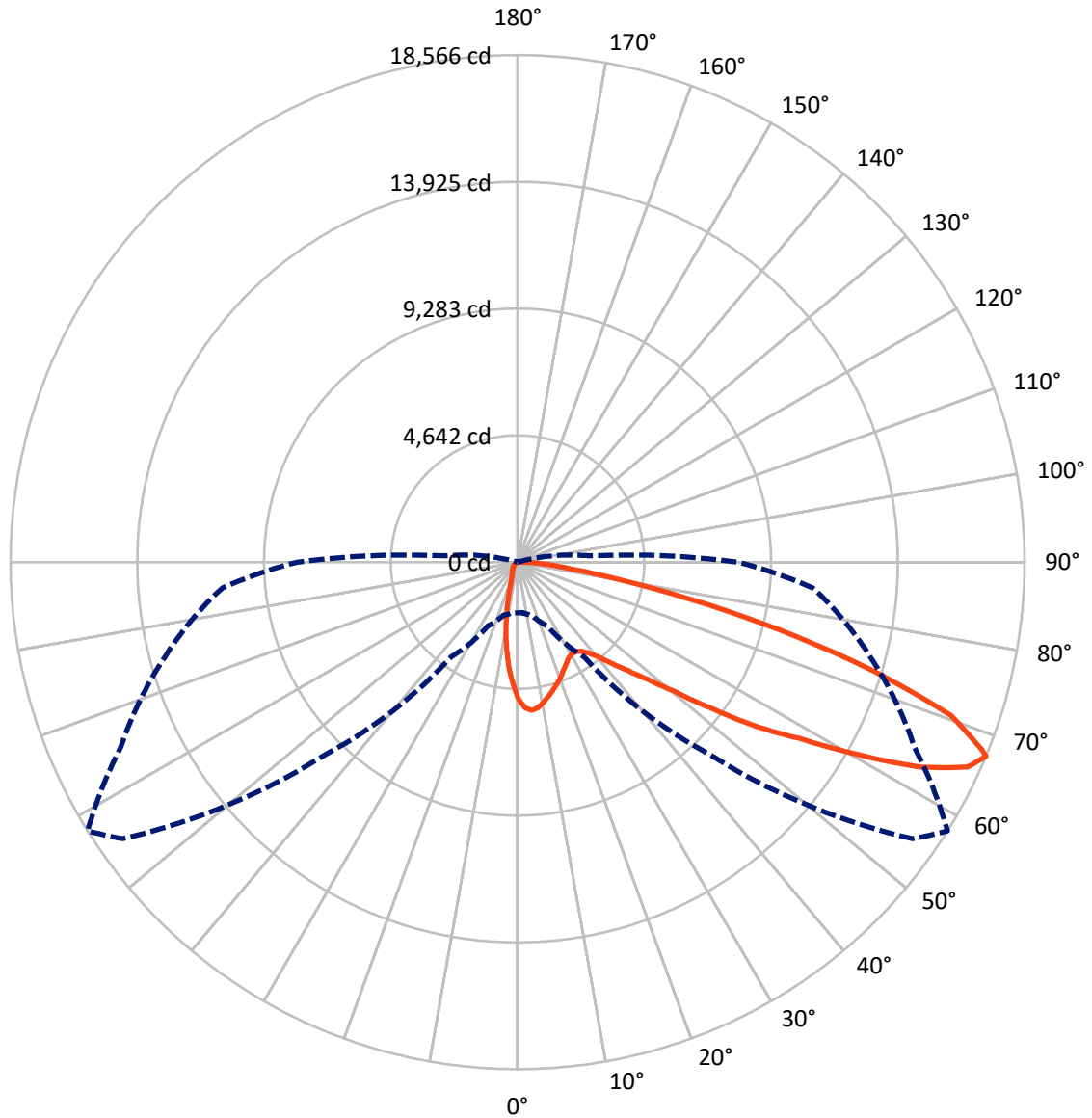
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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	1467.1	0.0	1467.1
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	16281.9	0.0	16281.9
	% Fixture	91.7	0.0	91.7
Total	Lumens	17749.0	0.0	17749.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	399.0	2.2
10°-20°	827.6	4.7
20°-30°	1098.0	6.2
30°-40°	1521.5	8.6
40°-50°	2482.7	14.0
50°-60°	4363.7	24.6
60°-70°	4833.2	27.2
70°-80°	2002.9	11.3
80°-90°	220.5	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°	17749.0	100.0
0°-180°	17749.0	100.0

Coefficient of Utilization



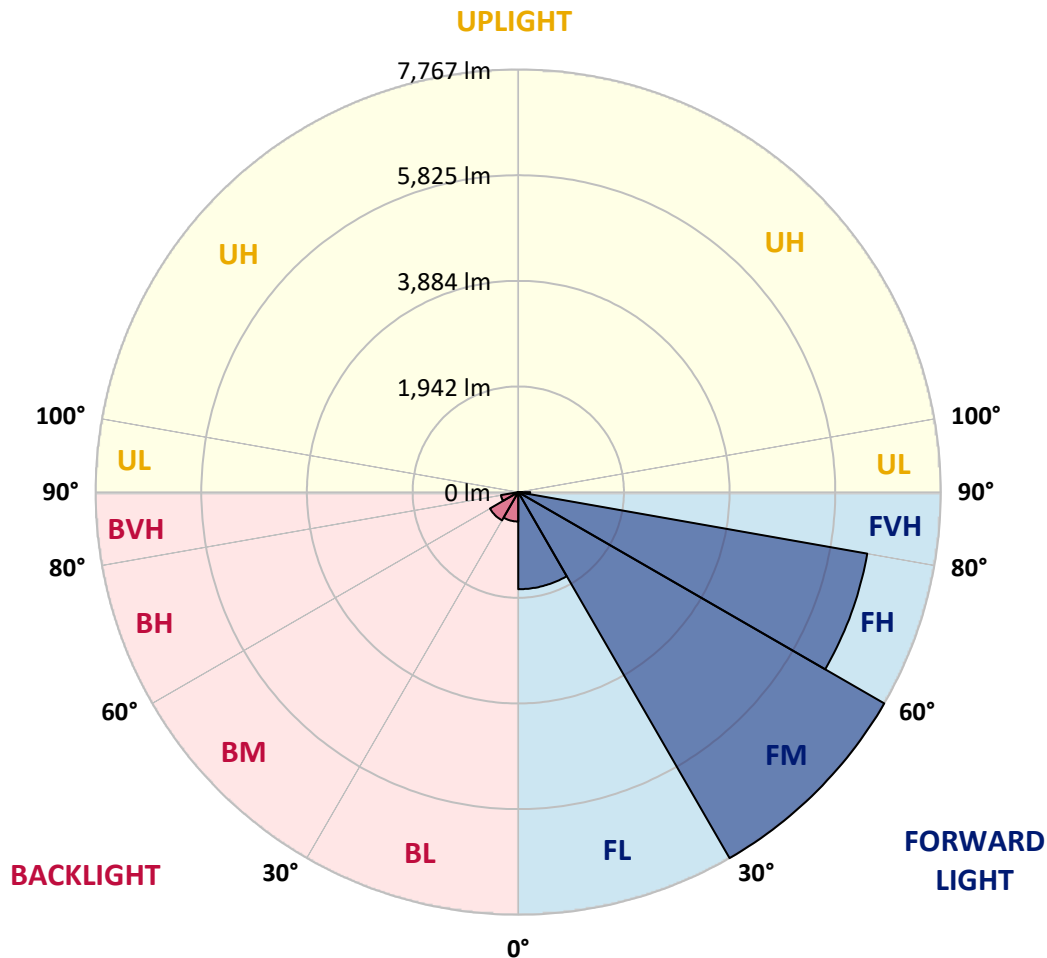
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1784.3	10.1			
FM (30°-60°)	7767.3	43.8			
FH (60°-80°)	6513.5	36.7			G3/7500
FVH (80°-90°)	216.9	1.2			G2/225
BL (0°-30°)	540.3	3.0	B2/1000		
BM (30°-60°)	600.6	3.4	B1/1000		
BH (60°-80°)	322.6	1.8	B1/500		G1/500
BVH (80°-90°)	3.6	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-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	5028.5	5028.5	5028.5	5028.5	5028.5	5028.5	5028.5	5028.5	5028.5	5028.5	5028.5
2.5°	5471.5	5490.4	5506.9	5476.2	5502.2	5464.5	5367.9	5346.6	5330.2	5186.4	5103.9
5°	5469.2	5448.0	5464.5	5478.6	5443.3	5471.5	5448.0	5450.3	5386.7	5257.1	5026.2
7.5°	5103.9	5094.5	5103.9	5172.3	5250.0	5311.3	5346.6	5382.0	5339.6	5146.4	4922.5
10°	4611.5	4658.6	4684.5	4807.0	4927.2	5040.3	5151.1	5217.0	5205.3	5127.5	4809.4
12.5°	4267.4	4253.3	4347.5	4427.7	4547.8	4776.4	4969.6	5030.9	5101.6	4993.2	4660.9
15°	3949.3	3911.6	3968.2	4107.2	4312.2	4493.6	4764.6	4856.5	4946.1	4974.3	4580.8
17.5°	3645.3	3664.2	3723.1	3848.0	4041.2	4295.7	4550.2	4682.1	4896.6	4858.9	4460.6
20°	3499.2	3539.3	3560.5	3624.1	3758.4	4012.9	4392.3	4498.3	4726.9	4856.5	4342.8
22.5°	3506.3	3506.3	3456.8	3494.5	3617.1	3815.0	4177.9	4295.7	4658.6	4734.0	4236.8
25°	3581.7	3534.6	3536.9	3492.2	3544.0	3652.4	3984.7	4128.4	4519.6	4745.8	4180.2
27.5°	3638.3	3628.8	3614.7	3602.9	3536.9	3553.4	3857.4	3975.2	4465.4	4731.6	4093.0
30°	3843.3	3800.9	3786.7	3760.8	3673.6	3593.5	3756.1	3904.5	4422.9	4764.6	4043.6
32.5°	4015.3	4022.4	4034.1	3958.7	3883.3	3685.4	3784.4	3902.2	4392.3	4840.0	4093.0
35°	4232.1	4262.7	4267.4	4243.9	4163.7	3968.2	3902.2	4003.5	4444.1	4974.3	4097.8
37.5°	4562.0	4529.0	4618.5	4627.9	4571.4	4312.2	4175.5	4215.6	4597.3	5188.8	4276.8
40°	4776.4	4816.5	4983.8	5087.4	4990.8	4755.2	4571.4	4564.3	4818.8	5525.7	4498.3
42.5°	5014.4	5103.9	5287.7	5511.6	5499.8	5280.7	5094.5	5063.9	5212.3	6013.5	4849.4
45°	5339.6	5419.7	5676.5	6013.5	6197.3	6011.1	5730.7	5669.5	5690.7	6678.0	5448.0
47.5°	5879.2	5858.0	6227.9	6560.2	6861.8	6718.1	6597.9	6418.8	6402.3	7460.3	6275.1
50°	6489.5	6484.8	6814.7	7191.7	7540.4	7820.9	7620.6	7425.0	7429.7	8523.1	7248.3
52.5°	7069.2	7161.1	7516.9	7891.5	8490.1	8791.7	8984.9	8907.1	8532.5	9472.7	8289.8
55°	7375.5	7455.6	7809.1	8454.7	9399.6	10174.9	10698.0	10632.0	9908.6	10542.5	9317.2
57.5°	7085.7	7139.9	7618.2	8464.1	10035.9	11765.4	12267.4	12184.9	11331.9	11360.1	10559.0
60°	5872.1	5957.0	6668.6	7660.6	9788.4	12990.8	14428.2	14303.3	12627.9	12394.6	11357.8
62.5°	4067.1	4123.7	4708.1	5942.8	8615.0	13417.3	16468.8	16537.1	13994.6	13200.5	11595.8
65°	2634.4	2629.7	2964.3	3800.9	6105.4	12126.0	17675.3	18099.4	15314.2	13323.0	11522.7
67°	1861.5	1854.5	2012.4	2577.9	4227.4	9991.1	17654.1	18566.0	16030.5	13358.4	10846.5
67.5°	1717.8	1710.7	1861.5	2370.5	3815.0	9291.2	17390.1	18325.6	16282.6	13308.9	10549.6
70°	1333.7	1314.9	1371.4	1633.0	2222.1	6008.8	14882.9	16834.0	15759.5	12074.1	8424.1
72.5°	963.8	985.0	1074.5	1340.8	1743.7	3233.0	11343.7	13612.9	13162.8	9100.4	5353.7
75°	671.6	690.4	834.2	1093.4	1600.0	1960.5	7670.0	9873.3	9168.7	5023.8	2281.0
77.5°	351.1	374.7	532.5	874.2	1453.9	1517.5	4583.2	6260.9	4858.9	1788.5	629.2
80°	162.6	174.4	266.3	619.7	1215.9	1333.7	2672.1	3482.7	1944.0	400.6	216.8
82.5°	70.7	77.8	122.5	355.8	862.4	1166.4	1654.2	1826.2	704.6	129.6	134.3
85°	14.1	16.5	47.1	188.5	417.1	706.9	1161.7	1083.9	353.5	63.6	106.0
87.5°	0.0	0.0	11.8	54.2	113.1	209.7	492.5	492.5	108.4	33.0	40.1
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°	5028.5	5028.5	5028.5	5028.5	5028.5	5028.5	5028.5	5028.5	5028.5	5028.5	5028.5
2.5°	5030.9	4946.1	4759.9	4587.9	4465.4	4326.3	4142.5	4060.1	4029.4	3987.0	3923.4
5°	4898.9	4795.3	4477.1	4156.7	3805.6	3539.3	3256.5	3091.6	2966.7	2888.9	2863.0
7.5°	4712.8	4500.7	4071.8	3558.1	3103.4	2707.5	2278.6	1988.8	1802.6	1727.2	1656.5
10°	4564.3	4288.6	3635.9	2997.3	2391.7	1812.1	1329.0	1074.5	881.3	808.2	798.8
12.5°	4371.1	4041.2	3228.3	2424.7	1663.6	1079.2	735.2	638.6	584.4	575.0	567.9
15°	4210.9	3817.3	2841.8	1878.0	1076.9	673.9	572.6	549.0	534.9	530.2	532.5
17.5°	4102.5	3577.0	2445.9	1366.7	709.3	551.4	527.8	513.7	506.6	504.3	497.2
20°	3888.0	3374.3	2054.8	956.7	553.8	509.0	490.1	478.3	471.3	468.9	466.6
22.5°	3765.5	3117.5	1663.6	666.9	492.5	461.9	447.7	438.3	426.5	419.4	417.1
25°	3643.0	2929.0	1314.9	518.4	447.7	426.5	405.3	393.5	374.7	365.2	362.9
27.5°	3499.2	2742.8	1013.2	450.1	402.9	381.7	360.5	341.7	318.1	308.7	304.0
30°	3416.8	2561.4	763.5	402.9	370.0	341.7	315.8	292.2	266.3	249.8	245.1
32.5°	3374.3	2396.4	572.6	367.6	334.6	304.0	271.0	242.7	219.1	205.0	202.6
35°	3322.5	2236.2	450.1	334.6	301.6	268.6	235.6	207.4	183.8	172.0	167.3
37.5°	3376.7	2142.0	374.7	308.7	275.7	238.0	202.6	174.4	155.5	143.7	141.4
40°	3525.2	2064.2	325.2	285.1	249.8	209.7	176.7	148.5	132.0	122.5	117.8
42.5°	3753.7	2064.2	294.5	261.6	226.2	183.8	150.8	129.6	113.1	103.7	101.3
45°	4168.5	2127.8	268.6	238.0	197.9	157.9	129.6	108.4	91.9	82.5	80.1
47.5°	4750.5	2273.9	247.4	216.8	176.7	139.0	113.1	91.9	75.4	66.0	63.6
50°	5532.8	2606.2	226.2	190.9	157.9	120.2	94.3	73.0	58.9	49.5	47.1
52.5°	6508.3	3077.4	205.0	176.7	134.3	101.3	75.4	58.9	44.8	37.7	35.3
55°	7540.4	3654.8	179.1	157.9	115.5	84.8	61.3	44.8	33.0	28.3	25.9
57.5°	8579.6	4100.1	157.9	136.7	94.3	68.3	49.5	35.3	23.6	18.9	16.5
60°	9131.0	4142.5	136.7	113.1	75.4	54.2	37.7	25.9	16.5	11.8	9.4
62.5°	9215.8	3765.5	117.8	91.9	61.3	42.4	25.9	18.9	9.4	4.7	4.7
65°	8779.9	3138.7	101.3	73.0	47.1	30.6	18.9	11.8	4.7	2.4	0.0
67°	8073.0	2629.7	87.2	61.3	37.7	23.6	14.1	7.1	2.4	0.0	0.0
67.5°	7799.6	2488.3	82.5	56.6	35.3	21.2	11.8	7.1	2.4	0.0	0.0
70°	6053.6	1776.7	61.3	40.1	25.9	16.5	9.4	4.7	0.0	0.0	0.0
72.5°	3709.0	1039.2	47.1	28.3	18.9	11.8	7.1	2.4	0.0	0.0	0.0
75°	1555.2	358.2	40.1	21.2	14.1	7.1	4.7	2.4	0.0	0.0	0.0
77.5°	405.3	134.3	28.3	14.1	9.4	7.1	4.7	2.4	0.0	0.0	0.0
80°	164.9	61.3	18.9	9.4	9.4	7.1	4.7	2.4	0.0	0.0	0.0
82.5°	108.4	28.3	11.8	9.4	7.1	4.7	2.4	0.0	0.0	0.0	0.0
85°	82.5	16.5	7.1	7.1	4.7	2.4	0.0	0.0	0.0	0.0	0.0
87.5°	35.3	9.4	7.1	4.7	4.7	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)