

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: P481732

Luminaire Tested: **IFLD-L-SA7C-750-U-T2-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P481732
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-750-U-T2-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens with House Side Shield
Light Source: (112) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

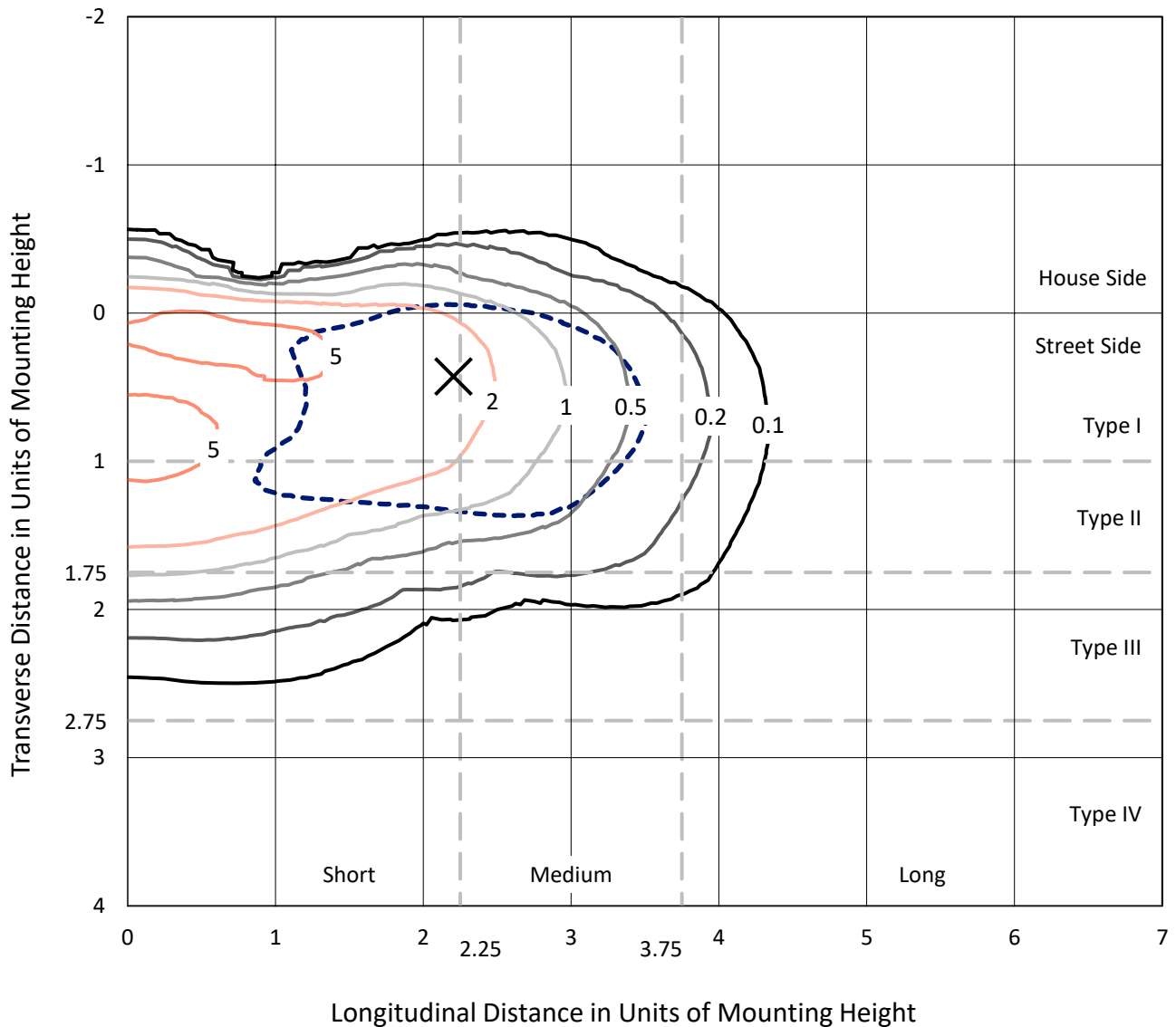
Lumens per Lamp: N/A
Luminaire Lumens: 32655.4 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 369
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

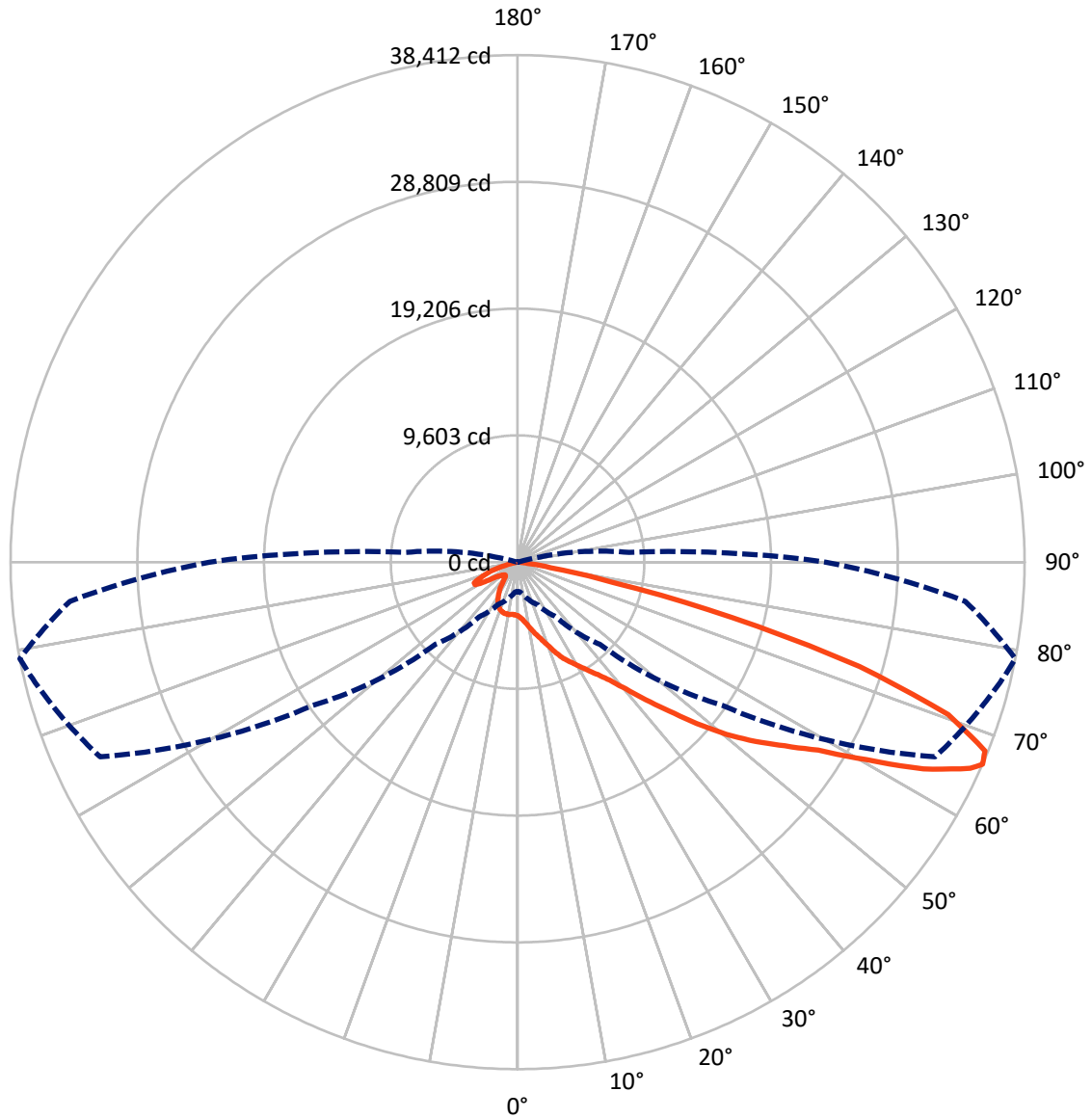
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2452.0	0.0	2452.0
	% Fixture	7.5	0.0	7.5
Street Side	Lumens	30203.4	0.0	30203.4
	% Fixture	92.5	0.0	92.5
Total	Lumens	32655.4	0.0	32655.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	384.2	1.2
10°-20°	1057.4	3.2
20°-30°	1756.7	5.4
30°-40°	3017.3	9.2
40°-50°	5466.2	16.7
50°-60°	8640.4	26.5
60°-70°	8792.3	26.9
70°-80°	3352.9	10.3
80°-90°	188.0	0.6
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°	32655.4	100.0
0°-180°	32655.4	100.0

Coefficient of Utilization



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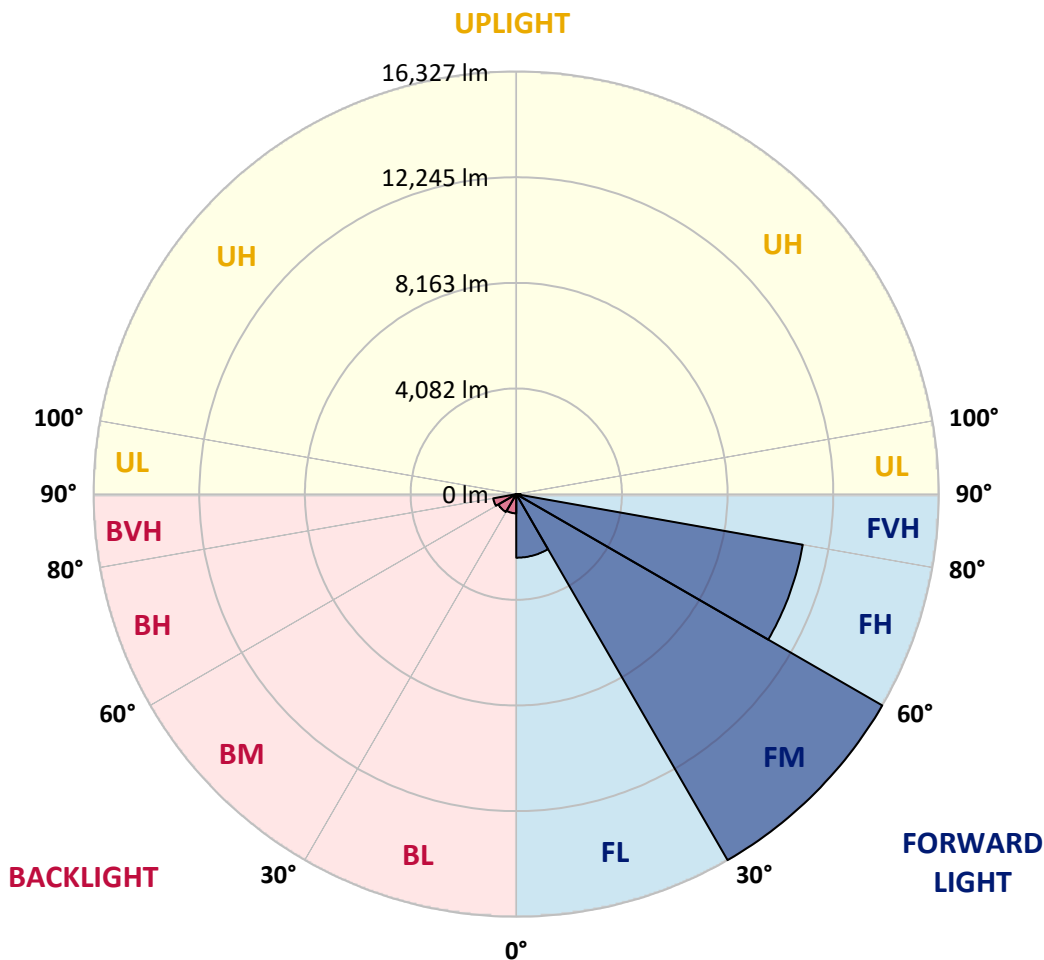
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2456.8	7.5			
FM (30°-60°)	16327.0	50.0			
FH (60°-80°)	11241.3	34.4			G4/12000
FVH (80°-90°)	178.4	0.5			G2/225
BL (0°-30°)	741.5	2.3	B2/1000		
BM (30°-60°)	796.9	2.4	B1/1000		
BH (60°-80°)	903.9	2.8	B2/1000		G2/1000
BVH (80°-90°)	9.6	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-G4

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	4062.7	4062.7	4062.7	4062.7	4062.7	4062.7	4062.7	4062.7	4062.7	4062.7	4062.7
2.5°	4601.4	4596.4	4576.2	4541.0	4495.7	4480.6	4415.1	4324.5	4274.2	4218.8	4193.6
5°	4918.6	4893.4	4953.8	4928.6	4938.7	4817.9	4737.3	4671.9	4480.6	4405.1	4284.2
7.5°	4989.0	5014.2	5009.2	5049.5	5089.7	5135.0	5079.7	4984.0	4792.7	4682.0	4551.1
10°	4989.0	4979.0	5019.3	5074.6	5190.4	5291.1	5442.1	5316.3	5170.3	5039.4	4802.8
12.5°	4898.4	4883.3	4923.6	5039.4	5245.8	5452.2	5618.3	5739.2	5532.8	5427.0	5119.9
15°	4621.5	4606.4	4772.6	4979.0	5250.8	5588.1	5935.5	6131.8	5990.9	5824.7	5482.4
17.5°	4279.2	4299.3	4475.5	4817.9	5250.8	5653.6	6096.6	6524.5	6504.4	6292.9	5935.5
20°	4163.4	4178.5	4354.7	4601.4	5094.8	5698.9	6348.3	6952.4	7073.3	6821.6	6353.4
22.5°	4384.9	4369.8	4384.9	4536.0	4989.0	5658.6	6514.5	7440.8	7657.3	7460.9	6902.1
25°	5140.1	5130.0	5004.1	4772.6	4928.6	5568.0	6600.0	7763.0	8261.4	8080.1	7345.1
27.5°	6247.6	6207.4	6011.0	5527.7	5210.6	5623.4	6741.0	8075.1	8790.0	8583.6	7742.8
30°	7435.7	7340.1	7083.3	6479.2	5940.5	5829.8	6821.6	8306.7	9379.0	9117.2	8090.2
32.5°	8256.3	8382.2	8301.7	7687.5	6861.8	6308.0	6952.4	8598.7	9922.7	9751.5	8684.3
35°	9525.0	9671.0	9333.7	8790.0	7959.3	7068.2	7229.3	8835.3	10758.4	10471.5	9238.0
37.5°	11125.9	11236.7	10995.0	9963.0	9087.0	8004.6	7798.2	9328.7	11478.3	11342.4	9947.9
40°	11931.4	12465.1	12122.7	11191.4	10249.9	9313.6	8739.6	9907.6	12731.9	12621.1	10929.6
42.5°	13044.0	13310.8	13134.6	12444.9	11463.2	10713.1	9902.6	11035.3	14252.3	14252.3	12258.7
45°	14222.1	14232.1	14222.1	13658.2	12787.3	12399.6	11473.3	12450.0	15888.4	16069.7	13849.5
47.5°	15188.7	15490.7	15465.5	15128.2	14453.6	14307.6	13044.0	14061.0	17942.4	18259.6	15400.1
50°	15687.1	16024.4	16125.0	16301.2	16271.0	16578.1	14760.7	15928.7	19714.5	20494.9	17393.7
52.5°	15551.1	15576.3	16195.5	16890.3	17997.8	18858.7	16829.9	18048.2	21788.7	22558.9	18934.2
55°	14438.5	14342.9	15616.6	16412.0	18702.6	20253.2	19694.4	20691.2	23404.7	24577.7	20525.1
57.5°	11996.9	12022.0	13200.1	14816.1	18179.1	20807.0	22755.3	24144.8	25670.2	26853.3	22760.3
60°	8281.5	8251.3	9570.3	11438.1	15103.1	19775.0	24517.3	28620.3	28700.9	30377.3	26772.7
62.5°	4656.8	4666.8	5668.7	7264.6	10567.1	16160.3	24431.7	33372.7	33030.4	34500.4	31333.8
65°	2638.0	2703.4	3393.2	4304.4	6328.2	10849.0	21013.4	35265.7	36368.2	37677.1	34102.7
66°	2230.2	2275.5	2864.5	3554.3	5049.5	8800.1	18914.1	34898.2	37415.3	38412.1	34047.3
67.5°	1726.8	1787.2	2280.6	2819.2	3705.3	6091.6	15223.9	33070.7	37606.6	38190.6	33085.8
70°	1183.1	1223.3	1600.9	2139.6	2532.3	3116.3	9102.1	27341.6	34122.9	34616.2	28756.2
72.5°	830.7	850.8	1122.7	1621.1	1948.3	1782.2	4515.8	19452.8	26113.2	27074.8	22367.6
75°	599.1	619.2	770.3	1162.9	1520.4	1168.0	2069.1	12424.8	16014.3	16769.4	13471.9
77.5°	433.0	458.1	523.6	750.1	1102.5	820.6	1016.9	6489.3	7551.5	7420.6	5794.5
80°	261.8	287.0	387.6	483.3	805.5	579.0	558.8	2708.5	2678.3	2542.3	1822.4
82.5°	120.8	141.0	206.4	327.2	563.8	402.7	266.8	966.6	845.8	775.3	513.5
85°	35.2	45.3	120.8	246.7	287.0	196.3	161.1	332.3	347.4	297.0	171.2
87.5°	0.0	5.0	55.4	60.4	85.6	65.4	60.4	85.6	161.1	130.9	55.4
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°	4062.7	4062.7	4062.7	4062.7	4062.7	4062.7	4062.7	4062.7	4062.7	4062.7	4062.7
2.5°	4103.0	4067.8	3982.2	3851.3	3735.5	3675.1	3589.5	3514.0	3473.7	3468.7	3463.6
5°	4203.7	4108.0	3901.6	3665.0	3488.8	3297.5	3166.6	3071.0	2980.3	2894.8	2945.1
7.5°	4339.6	4188.6	3851.3	3544.2	3161.6	2914.9	2683.3	2547.4	2466.8	2391.3	2381.3
10°	4551.1	4359.8	3816.0	3262.3	2824.3	2461.8	2225.2	2028.8	1918.1	1787.2	1837.5
12.5°	4838.0	4495.7	3685.1	3005.5	2441.7	2059.1	1721.7	1404.6	1228.4	1092.5	1097.5
15°	5125.0	4676.9	3564.3	2693.4	2094.3	1590.9	1097.5	881.0	830.7	800.5	810.5
17.5°	5406.9	4822.9	3378.1	2376.2	1696.6	1011.9	800.5	755.2	730.0	699.8	699.8
20°	5749.2	4918.6	3146.5	2084.2	1168.0	750.1	684.7	654.5	614.2	573.9	579.0
22.5°	6081.5	4999.1	2879.7	1711.7	785.4	649.4	573.9	533.6	498.4	458.1	458.1
25°	6413.8	5024.3	2532.3	1228.4	634.3	518.5	448.1	392.7	357.4	322.2	327.2
27.5°	6640.3	4868.2	2205.0	785.4	508.5	392.7	312.1	266.8	236.6	201.4	201.4
30°	6771.2	4581.3	1852.6	553.8	382.6	266.8	186.3	141.0	110.8	85.6	80.5
32.5°	6902.1	4349.7	1454.9	422.9	251.7	141.0	70.5	25.2	0.0	0.0	0.0
35°	7163.9	4087.9	976.7	236.6	85.6	5.0	0.0	0.0	0.0	0.0	0.0
37.5°	7330.0	3725.4	448.1	35.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	7747.9	3544.2	110.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	8427.5	3418.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	9172.6	3368.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	10164.4	3503.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	11211.5	3871.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	12359.3	4218.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	13361.2	4636.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	15203.8	5623.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	18511.3	7561.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	22236.8	9001.4	55.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	23601.1	8966.2	95.7	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	23359.4	8472.8	95.7	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	22105.9	7526.4	85.6	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	18984.6	6217.4	85.6	15.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	14473.8	4843.1	80.5	20.1	5.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	8734.6	2577.6	65.4	25.2	10.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	3478.7	906.2	50.3	20.1	10.1	0.0	0.0	0.0	0.0	0.0	0.0
80°	941.4	271.9	30.2	20.1	15.1	5.0	0.0	0.0	0.0	0.0	0.0
82.5°	246.7	100.7	25.2	20.1	10.1	5.0	0.0	0.0	0.0	0.0	0.0
85°	95.7	40.3	20.1	15.1	15.1	10.1	5.0	0.0	0.0	0.0	0.0
87.5°	30.2	15.1	15.1	10.1	10.1	5.0	5.0	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)