

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: P481915

Luminaire Tested: **IFLD-S-SA6A-722-U-T2R-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P481915
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-722-U-T2R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens with House Side Shield
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15630.4 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

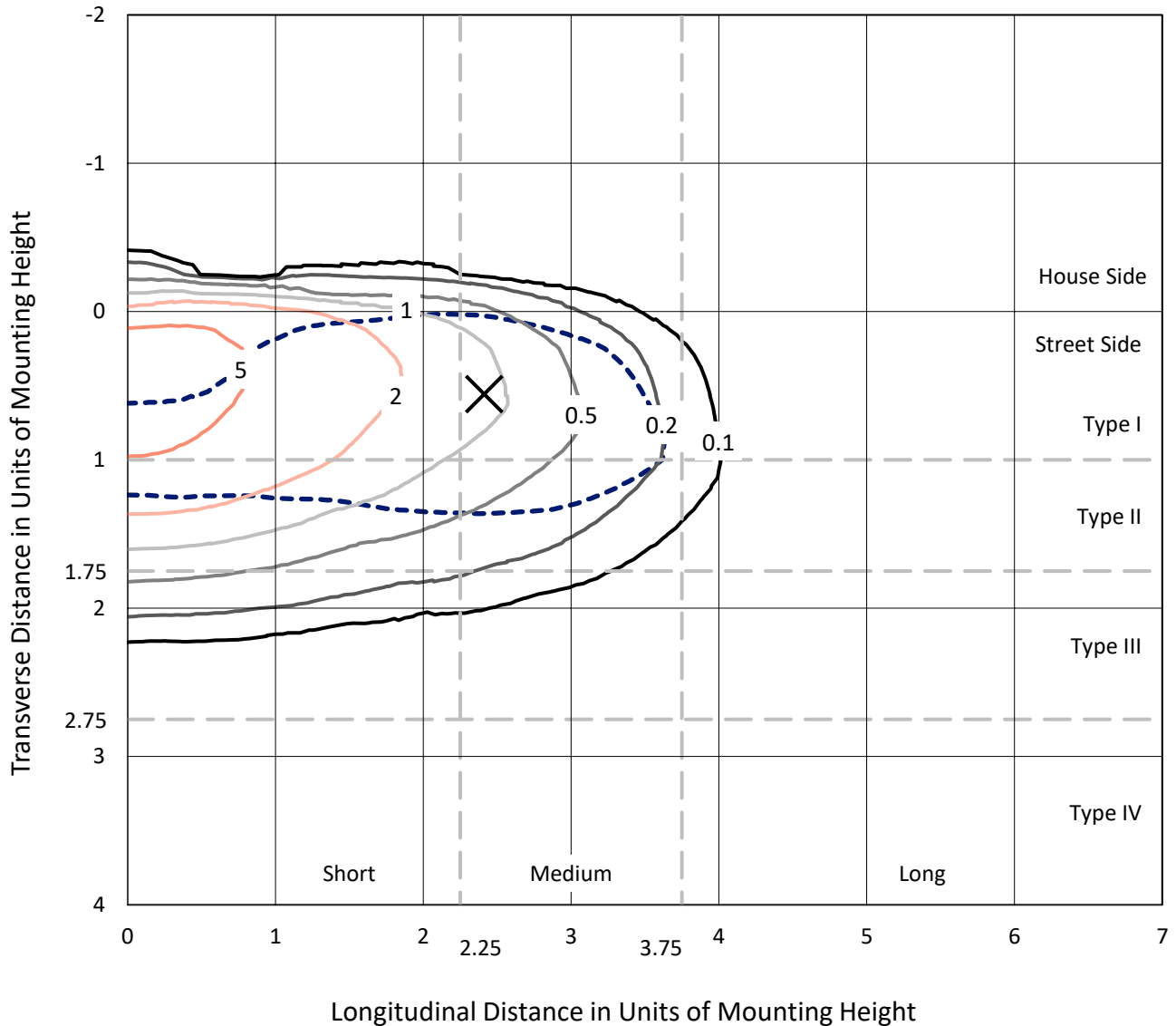
Input Watts (W): 189.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

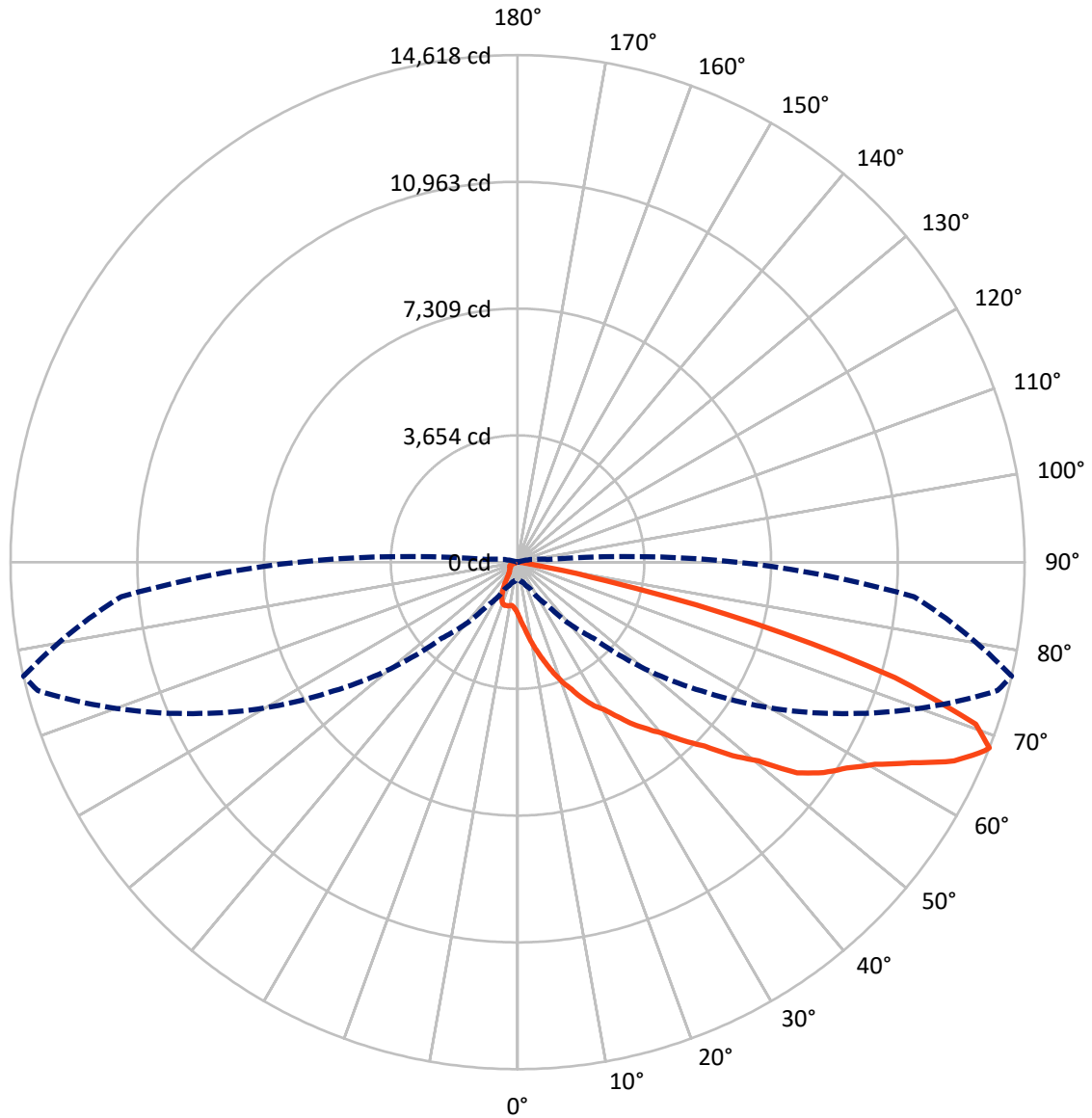
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	708.8	0.0	708.8
	% Fixture	4.5	0.0	4.5
Street Side	Lumens	14921.6	0.0	14921.6
	% Fixture	95.5	0.0	95.5
Total	Lumens	15630.4	0.0	15630.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.8	1.1
10°-20°	644.9	4.1
20°-30°	1249.7	8.0
30°-40°	2178.7	13.9
40°-50°	3190.9	20.4
50°-60°	3748.8	24.0
60°-70°	3165.6	20.3
70°-80°	1227.0	7.9
80°-90°	49.9	0.3
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°	15630.4	100.0
0°-180°	15630.4	100.0

Coefficient of Utilization

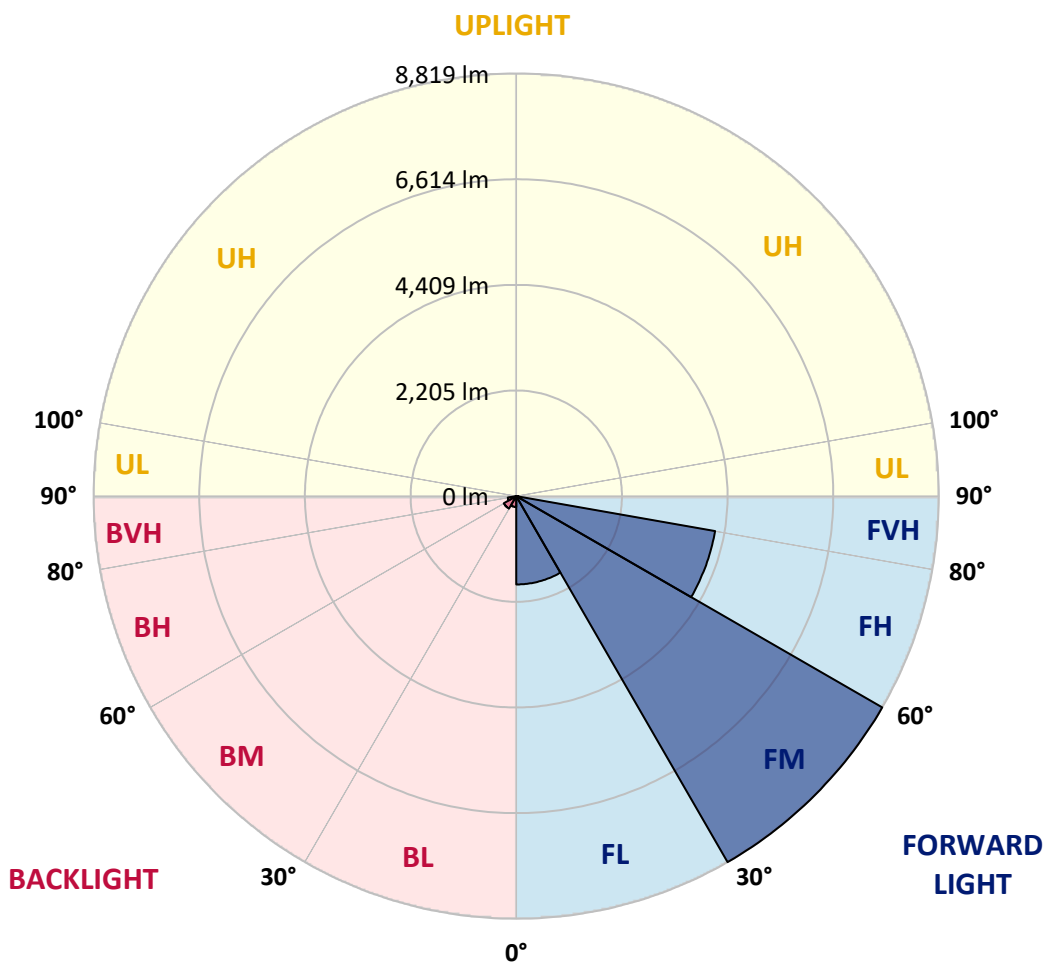


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1843.0	11.8			
FM (30°-60°)	8819.0	56.4			
FH (60°-80°)	4213.6	27.0			G2/5000
FVH (80°-90°)	46.0	0.3			G1/100
BL (0°-30°)	226.5	1.4	B1/500		
BM (30°-60°)	299.5	1.9	B1/1000		
BH (60°-80°)	179.0	1.1	B1/500		G1/500
BVH (80°-90°)	3.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1496.6	1496.6	1496.6	1496.6	1496.6	1496.6	1496.6	1496.6	1496.6	1496.6	1496.6
2.5°	2274.0	2231.0	2185.7	2172.8	2088.8	1994.1	1905.8	1819.7	1675.4	1677.5	1578.5
5°	2930.8	2877.0	2840.4	2831.8	2700.4	2536.7	2403.2	2159.9	1920.9	1867.0	1686.1
7.5°	3471.3	3454.1	3400.3	3355.1	3258.1	3057.9	2900.7	2551.8	2187.9	2127.6	1817.5
10°	3798.7	3824.5	3848.2	3790.0	3714.7	3570.4	3355.1	2978.2	2491.5	2416.2	1987.6
12.5°	4147.5	4104.4	4119.5	4166.9	4067.8	4035.5	3768.5	3417.5	2846.8	2702.6	2203.0
15°	4238.0	4255.2	4291.8	4429.6	4496.4	4403.8	4173.4	3772.8	3215.1	3014.8	2403.2
17.5°	4298.3	4289.6	4334.9	4541.6	4642.8	4731.1	4586.8	4169.0	3535.9	3357.2	2653.0
20°	4373.6	4326.3	4425.3	4556.7	4791.4	4976.6	4970.1	4567.4	3871.9	3682.4	2900.7
22.5°	4653.6	4617.0	4696.6	4709.6	4873.2	5131.6	5194.1	4892.6	4216.4	3983.9	3167.7
25°	5170.4	5237.2	5142.4	5060.6	5110.1	5280.2	5325.4	5181.2	4563.1	4349.9	3434.7
27.5°	5926.3	5917.6	5730.3	5624.8	5506.3	5484.8	5517.1	5450.3	4836.6	4683.7	3654.4
30°	6738.1	6667.0	6494.8	6240.7	5980.1	5818.6	5773.4	5704.4	5157.5	4935.7	3871.9
32.5°	7384.1	7422.9	7231.2	6899.6	6466.8	6249.3	6031.8	5956.4	5510.6	5314.7	4121.7
35°	7978.5	7926.8	7773.9	7494.0	7106.3	6755.3	6415.1	6253.6	5934.9	5741.1	4397.3
37.5°	8417.8	8482.4	8191.7	7924.6	7539.2	7248.5	6914.7	6561.5	6372.0	6113.6	4733.2
40°	8833.4	8732.2	8536.2	8290.7	7933.3	7711.4	7491.8	6940.5	6837.2	6503.4	5112.3
42.5°	8760.2	8766.6	8659.0	8460.8	8202.4	8075.4	8000.0	7401.4	7259.2	7046.0	5482.6
45°	8460.8	8486.7	8523.3	8426.4	8447.9	8320.9	8523.3	7931.1	7791.1	7565.0	5909.0
47.5°	8131.4	8174.4	8165.8	8342.4	8542.7	8585.7	9091.8	8519.0	8458.7	8333.8	6499.1
50°	7584.4	7601.6	7767.4	8088.3	8361.8	8811.9	9518.2	9160.7	9253.3	9007.8	7201.1
52.5°	6649.8	6712.3	7138.6	7597.3	8148.6	8926.0	9806.7	10114.7	10349.4	10097.5	7875.1
55°	5467.6	5553.7	5973.6	6832.8	7640.4	8753.7	10069.5	10618.6	11094.5	10713.3	8284.3
57.5°	4399.5	4408.1	4784.9	5672.1	6919.0	8415.6	10203.0	10864.1	11503.6	11197.9	8783.9
60°	3352.9	3318.4	3656.5	4425.3	5704.4	7584.4	9869.2	10989.0	12014.0	11837.4	9384.7
62.5°	2157.7	2103.9	2472.1	3221.5	4455.5	6199.7	9201.6	10991.1	12810.8	12744.0	10390.3
65°	1068.1	1031.5	1348.1	1974.7	3083.7	4741.9	8249.8	10950.2	13784.1	13827.2	11370.1
67.5°	564.2	577.1	678.3	1001.3	1778.7	3350.7	6815.6	10470.0	14281.6	14522.8	11607.0
68°	519.0	523.3	603.0	833.4	1544.0	3107.4	6475.4	10330.0	14320.3	14617.5	11475.7
70°	422.1	428.5	456.5	523.3	835.5	2022.1	4996.0	9141.3	13736.8	14008.1	10388.2
72.5°	335.9	355.3	372.5	400.5	491.0	1061.6	3107.4	7123.6	11348.6	11378.7	8086.1
75°	256.3	271.3	305.8	329.5	383.3	583.6	1479.4	4343.5	7446.6	7080.5	4763.4
77.5°	198.1	211.0	226.1	258.4	320.9	394.1	452.2	1843.3	3163.4	2603.5	1345.9
80°	118.4	127.1	176.6	202.4	279.9	267.0	178.7	512.5	641.7	506.1	245.5
82.5°	68.9	75.4	101.2	155.0	196.0	144.3	105.5	159.4	157.2	137.8	81.8
85°	2.2	4.3	56.0	92.6	68.9	38.8	64.6	66.8	56.0	51.7	36.6
87.5°	0.0	2.2	15.1	12.9	15.1	8.6	12.9	17.2	21.5	19.4	15.1
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°	1496.6	1496.6	1496.6	1496.6	1496.6	1496.6	1496.6	1496.6	1496.6	1496.6	1496.6
2.5°	1511.7	1464.3	1358.8	1279.1	1193.0	1141.3	1089.6	1057.3	1040.1	1029.3	1038.0
5°	1550.5	1451.4	1281.3	1130.6	1031.5	964.7	898.0	863.5	831.2	814.0	824.8
7.5°	1636.6	1488.0	1205.9	1042.3	926.0	822.6	738.6	671.9	633.1	598.7	605.1
10°	1742.1	1509.6	1208.1	990.6	822.6	659.0	540.5	456.5	409.2	379.0	376.9
12.5°	1849.8	1593.5	1216.7	938.9	695.6	495.3	355.3	292.9	264.9	249.8	249.8
15°	2013.5	1668.9	1195.2	844.1	527.6	323.0	243.3	221.8	211.0	198.1	200.3
17.5°	2155.6	1789.5	1184.4	702.0	361.8	232.6	202.4	178.7	168.0	155.0	155.0
20°	2347.2	1864.9	1126.2	542.7	249.8	193.8	163.7	142.1	124.9	114.1	116.3
22.5°	2521.7	1923.0	1022.9	370.4	191.7	152.9	120.6	99.1	84.0	71.1	73.2
25°	2711.2	1981.2	872.1	228.3	135.7	94.8	64.6	47.4	32.3	23.7	23.7
27.5°	2846.8	1998.4	676.2	135.7	81.8	43.1	15.1	2.2	0.0	0.0	0.0
30°	2984.7	2004.8	467.3	73.2	32.3	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	3141.9	2002.7	292.9	38.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0
35°	3262.5	1966.1	140.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	3445.5	1912.2	43.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	3654.4	1815.3	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	3841.7	1716.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	4054.9	1593.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	4429.6	1541.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	4918.4	1500.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	5219.9	1380.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	5377.1	1255.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	5609.7	1195.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	5954.2	1199.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	6492.6	1259.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	6789.8	1199.5	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	6537.8	960.4	40.9	10.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0
68°	6320.3	882.9	40.9	10.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	5224.2	575.0	38.8	10.8	4.3	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	3805.1	318.7	32.3	8.6	4.3	0.0	0.0	0.0	0.0	0.0	0.0
75°	2213.7	159.4	23.7	8.6	4.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	577.1	79.7	19.4	10.8	6.5	2.2	0.0	0.0	0.0	0.0	0.0
80°	114.1	51.7	17.2	12.9	8.6	4.3	0.0	0.0	0.0	0.0	0.0
82.5°	53.8	36.6	17.2	12.9	10.8	6.5	2.2	0.0	0.0	0.0	0.0
85°	28.0	17.2	17.2	12.9	12.9	8.6	4.3	0.0	0.0	0.0	0.0
87.5°	12.9	6.5	6.5	6.5	6.5	4.3	2.2	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)