

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: P482480

Luminaire Tested: **IFLD-S-SA2A-750-U-T3-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P482480  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2A-750-U-T3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3  
distribution lens with House Side Shield  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

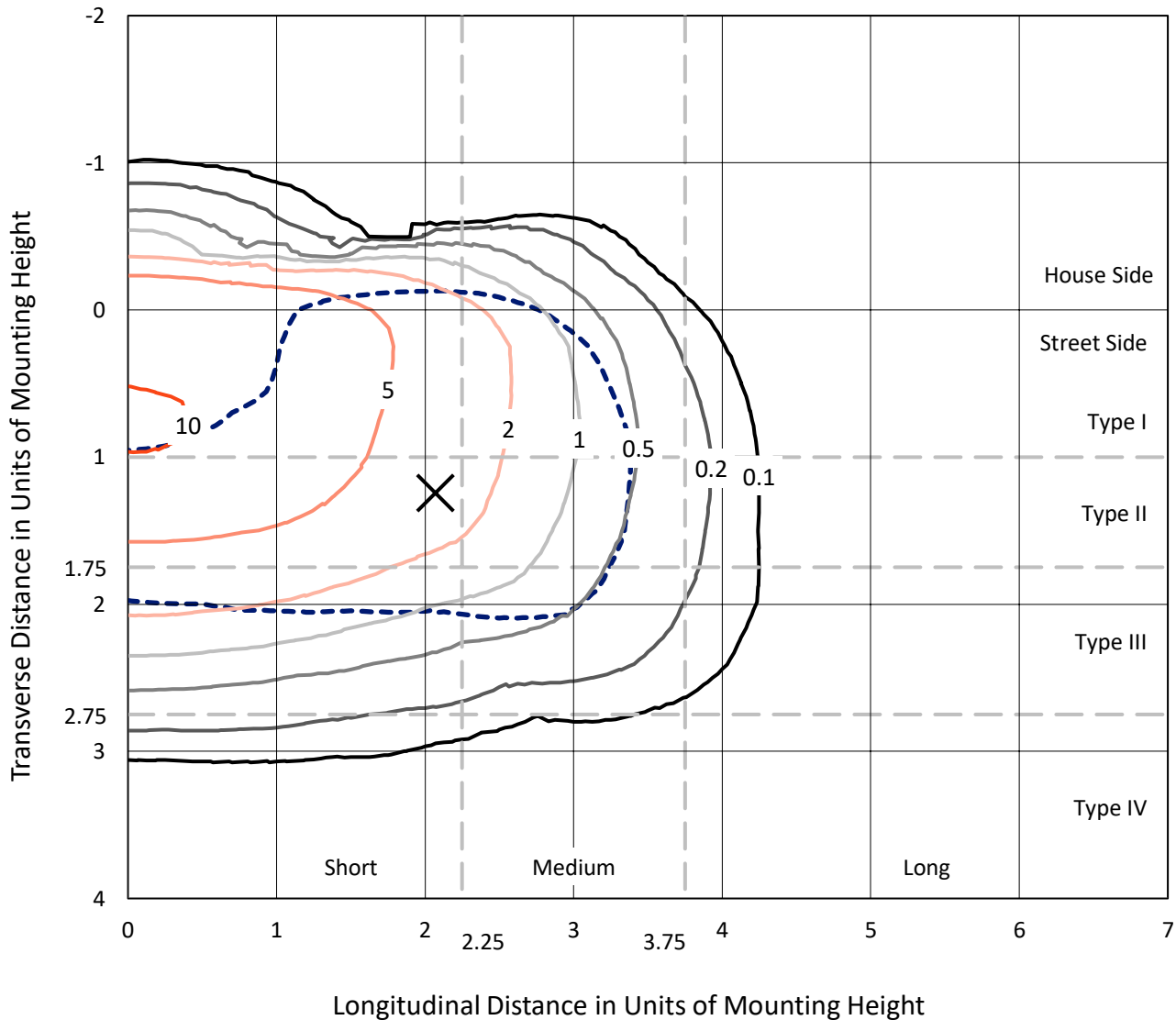
Lumens per Lamp: N/A  
Luminaire Lumens: 7007.4 lumens  
Efficiency: N/A  
Efficacy: 109.8 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 63.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

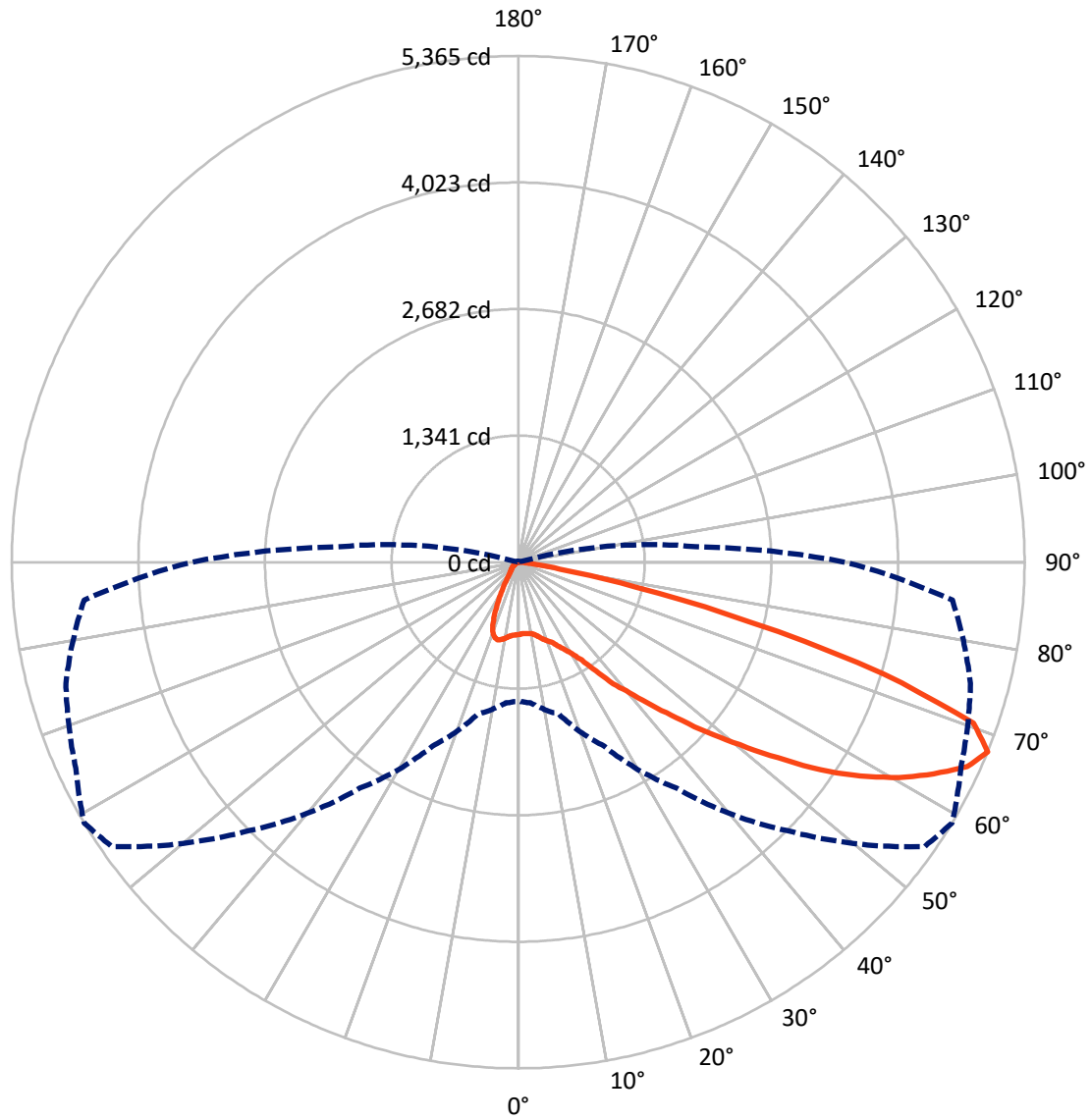
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	823.1	0.0	823.1
	% Fixture	11.7	0.0	11.7
<b>Street Side</b>	Lumens	6184.3	0.0	6184.3
	% Fixture	88.3	0.0	88.3
<b>Total</b>	Lumens	7007.4	0.0	7007.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.0	1.0
10°-20°	210.9	3.0
20°-30°	368.6	5.3
30°-40°	648.9	9.3
40°-50°	1147.1	16.4
50°-60°	1816.3	25.9
60°-70°	2014.8	28.8
70°-80°	699.1	10.0
80°-90°	28.8	0.4
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°	7007.4	100.0
0°-180°	7007.4	100.0

**Coefficient of Utilization**

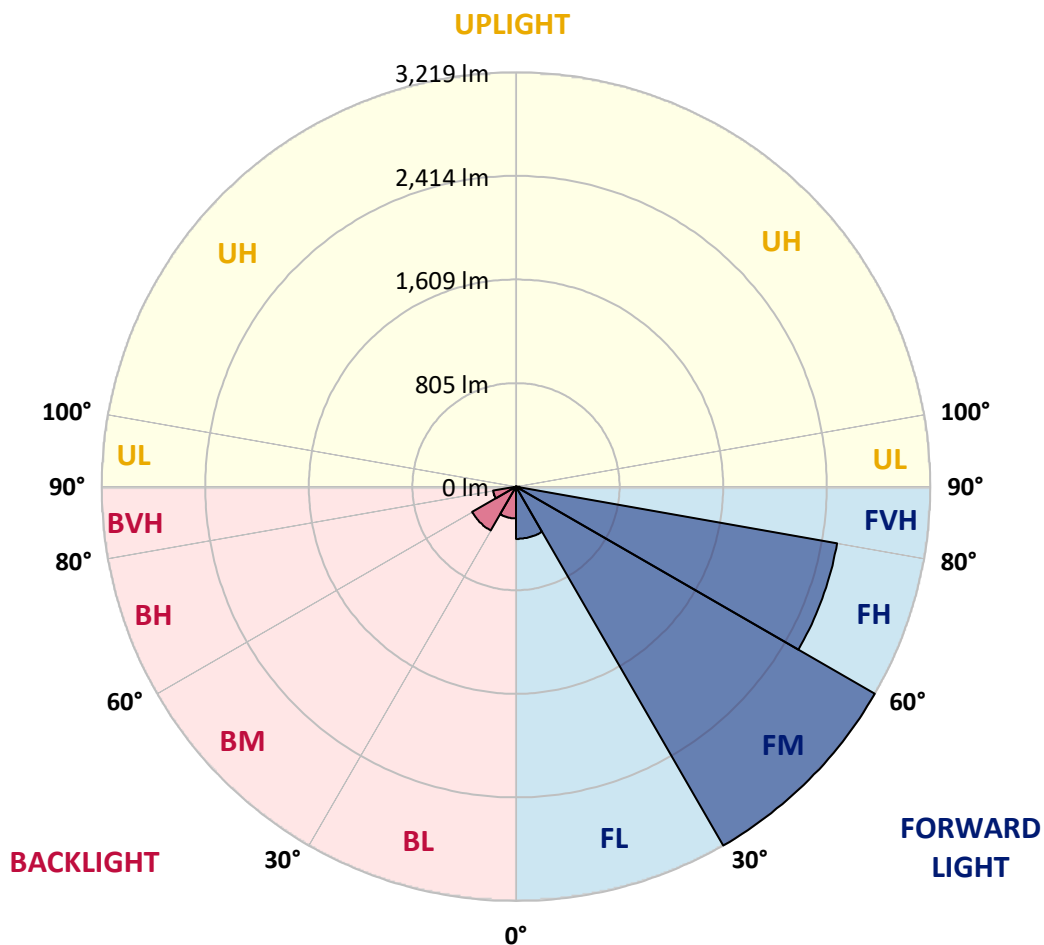


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	405.8	5.8			
FM (30°-60°)	3218.8	45.9			
FH (60°-80°)	2532.8	36.1			G2/5000
FVH (80°-90°)	26.9	0.4			G1/100
BL (0°-30°)	246.7	3.5	B1/500		
BM (30°-60°)	393.6	5.6	B1/1000		
BH (60°-80°)	181.0	2.6	B1/500		G1/500
BVH (80°-90°)	1.9	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	768.6	768.6	768.6	768.6	768.6	768.6	768.6	768.6	768.6	768.6	768.6
2.5°	746.3	735.7	745.4	746.3	747.3	756.0	765.7	758.9	757.9	765.7	772.5
5°	716.3	711.5	723.1	728.9	738.6	746.3	761.8	762.8	763.7	772.5	784.1
7.5°	703.7	692.1	705.7	712.4	719.2	737.6	756.0	765.7	779.2	789.9	801.5
10°	678.6	687.3	691.1	702.8	722.1	743.4	765.7	770.5	800.5	809.2	837.3
12.5°	687.3	693.1	700.8	703.7	725.0	757.0	787.0	788.9	819.9	857.6	872.2
15°	709.5	705.7	708.6	712.4	737.6	763.7	812.1	820.9	849.9	892.5	928.3
17.5°	757.0	750.2	745.4	744.4	750.2	774.4	831.5	857.6	884.7	942.8	961.2
20°	876.0	870.2	850.9	800.5	783.1	792.8	854.7	891.5	929.3	994.1	1024.1
22.5°	1057.0	1062.9	1017.4	946.7	874.1	836.3	891.5	923.5	983.5	1065.8	1092.9
25°	1271.0	1259.4	1204.2	1121.9	1007.7	918.6	950.6	986.4	1060.0	1127.7	1138.4
27.5°	1438.4	1424.9	1382.3	1282.6	1183.9	1039.6	1028.0	1050.3	1137.4	1198.4	1186.8
30°	1604.0	1608.8	1579.8	1461.7	1339.7	1187.7	1114.2	1123.8	1190.6	1269.0	1242.9
32.5°	1815.0	1803.4	1786.9	1683.3	1539.1	1376.5	1250.6	1235.2	1264.2	1367.8	1336.8
35°	2011.5	2004.7	1982.5	1877.9	1752.1	1574.9	1452.0	1417.1	1410.4	1525.6	1471.3
37.5°	2182.8	2171.2	2137.3	2070.5	1948.6	1799.5	1664.9	1634.0	1633.0	1712.4	1607.8
40°	2327.1	2335.8	2331.9	2258.3	2191.5	2072.5	1866.3	1816.9	1813.1	1855.6	1794.7
42.5°	2513.9	2534.2	2523.6	2509.0	2428.7	2382.2	2148.9	2073.4	2039.6	2126.7	2071.5
45°	2796.5	2804.3	2811.1	2775.2	2694.9	2704.6	2441.3	2351.3	2342.5	2472.3	2348.4
47.5°	3060.8	3040.5	3087.9	3089.8	3086.0	3041.4	2756.8	2690.1	2701.7	2800.4	2672.6
50°	3126.6	3178.9	3309.6	3333.8	3396.7	3437.3	3107.3	3040.5	3059.8	3172.1	3025.9
52.5°	3177.9	3257.3	3388.0	3565.1	3734.5	3831.3	3499.3	3445.1	3444.1	3512.8	3311.5
55°	3267.9	3316.3	3429.6	3673.5	3995.9	4154.6	3971.7	3884.6	3806.2	3854.5	3607.7
57.5°	3259.2	3277.6	3453.8	3754.8	4203.0	4491.5	4359.8	4276.6	4175.9	4147.9	3948.4
60°	3106.3	3149.9	3347.3	3699.7	4330.8	4753.8	4721.9	4636.7	4463.4	4397.6	4209.8
62.5°	2803.3	2861.4	3016.3	3506.1	4144.9	4767.4	4971.6	4939.7	4746.1	4628.0	4550.5
65°	2271.9	2299.0	2477.1	3014.3	3724.8	4559.2	5266.9	5227.2	5049.1	4872.9	4725.7
67.5°	1471.3	1497.5	1668.8	2151.8	2925.3	4022.0	5255.2	5364.6	5172.0	4960.0	4616.4
70°	695.0	688.2	848.0	1195.5	1874.0	3071.4	4900.0	5115.8	4952.3	4496.3	3834.2
72.5°	212.0	230.4	352.3	529.5	962.2	1915.7	3841.0	4043.3	3992.0	3592.2	2559.4
75°	93.9	101.6	138.4	216.8	390.1	786.0	2372.6	2552.6	2530.3	2118.9	1168.4
77.5°	60.0	65.8	87.1	123.9	177.1	249.7	1092.9	1268.1	1229.4	744.4	305.9
80°	42.6	45.5	62.0	85.2	111.3	102.6	376.5	447.2	428.8	202.3	82.3
82.5°	23.2	25.2	45.5	62.9	74.5	52.3	105.5	131.6	137.5	90.0	39.7
85°	8.7	10.6	28.1	44.5	38.7	24.2	31.0	37.8	49.4	49.4	18.4
87.5°	0.0	1.0	11.6	19.4	9.7	6.8	8.7	10.6	13.6	23.2	6.8
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°	768.6	768.6	768.6	768.6	768.6	768.6	768.6	768.6	768.6	768.6	768.6
2.5°	777.3	770.5	773.4	778.3	767.6	773.4	761.8	770.5	773.4	761.8	767.6
5°	787.0	793.8	789.9	782.1	775.4	777.3	774.4	767.6	773.4	775.4	771.5
7.5°	815.1	807.3	809.2	800.5	787.0	786.0	767.6	762.8	764.7	766.7	759.9
10°	841.2	846.0	836.3	829.6	807.3	792.8	767.6	740.5	737.6	726.0	735.7
12.5°	887.6	876.0	872.2	849.9	827.6	779.2	725.0	683.4	648.6	636.0	623.4
15°	926.4	924.4	917.7	883.8	832.5	744.4	641.8	545.0	478.2	436.6	430.8
17.5°	979.6	970.9	958.3	905.1	796.7	653.4	478.2	356.2	289.4	263.3	253.6
20°	1020.3	1013.5	996.1	900.2	731.8	486.9	296.2	226.5	210.1	205.2	206.2
22.5°	1079.3	1058.0	1025.1	876.0	613.7	324.3	213.0	202.3	199.4	195.5	196.5
25°	1130.6	1111.3	1042.5	834.4	437.5	214.9	197.5	191.7	186.8	182.0	181.0
27.5°	1176.1	1151.9	1060.9	749.2	273.9	184.9	183.0	176.2	166.5	158.8	155.8
30°	1220.6	1192.6	1065.8	589.5	184.9	167.5	162.6	152.0	139.4	128.7	126.8
32.5°	1295.2	1261.3	1059.0	421.1	159.7	149.1	138.4	125.8	107.4	98.7	96.8
35°	1411.3	1360.0	1050.3	247.8	143.3	131.6	115.2	98.7	85.2	76.5	74.5
37.5°	1544.9	1455.9	1025.1	165.5	131.6	116.2	94.9	78.4	66.8	60.0	58.1
40°	1743.4	1596.2	928.3	135.5	117.1	98.7	76.5	62.0	53.2	48.4	46.5
42.5°	1962.1	1756.9	779.2	122.0	103.6	84.2	61.0	50.3	43.6	38.7	38.7
45°	2224.4	1924.4	601.1	111.3	92.0	69.7	50.3	40.7	34.8	31.0	29.0
47.5°	2516.8	2076.3	405.6	100.7	77.4	57.1	41.6	31.0	25.2	22.3	22.3
50°	2778.1	2210.9	258.5	88.1	67.8	47.4	33.9	25.2	20.3	16.5	15.5
52.5°	3015.3	2313.5	178.1	77.4	58.1	38.7	28.1	20.3	15.5	12.6	12.6
55°	3258.3	2365.8	131.6	66.8	50.3	32.9	23.2	18.4	13.6	10.6	9.7
57.5°	3457.7	2388.0	100.7	58.1	42.6	26.1	20.3	15.5	11.6	8.7	7.7
60°	3628.0	2377.4	78.4	48.4	33.9	22.3	17.4	12.6	9.7	6.8	5.8
62.5°	3727.7	2313.5	62.0	41.6	27.1	19.4	14.5	10.6	6.8	4.8	3.9
65°	3729.7	2178.0	48.4	31.0	20.3	16.5	12.6	8.7	4.8	1.9	1.0
67.5°	3462.5	1884.7	38.7	24.2	16.5	12.6	9.7	6.8	1.9	0.0	0.0
70°	2708.4	1425.9	31.9	19.4	13.6	10.6	6.8	3.9	1.0	0.0	0.0
72.5°	1725.9	853.8	26.1	15.5	11.6	7.7	4.8	2.9	0.0	0.0	0.0
75°	722.1	263.3	20.3	13.6	8.7	5.8	3.9	1.0	0.0	0.0	0.0
77.5°	185.9	83.2	16.5	11.6	8.7	4.8	2.9	1.0	0.0	0.0	0.0
80°	55.2	31.0	13.6	9.7	6.8	3.9	1.9	1.0	0.0	0.0	0.0
82.5°	25.2	18.4	11.6	8.7	5.8	3.9	1.9	0.0	0.0	0.0	0.0
85°	9.7	5.8	5.8	4.8	4.8	2.9	1.0	0.0	0.0	0.0	0.0
87.5°	3.9	1.9	1.9	1.9	1.0	1.0	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)