

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: P482059

Luminaire Tested: **IFLD-S-SA3D-740-U-T2R-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P482059  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3D-740-U-T2R-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens with House Side Shield  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

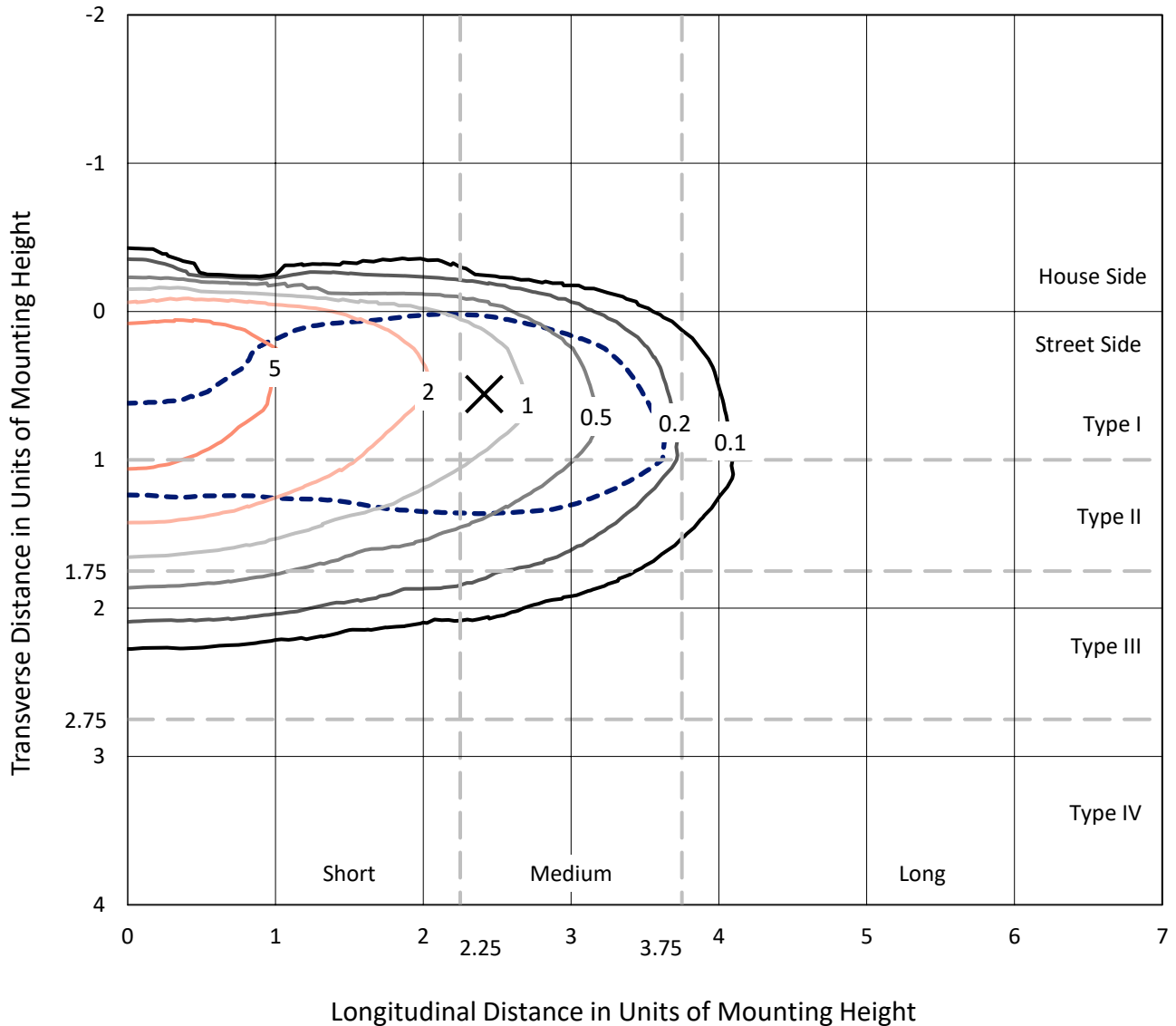
Lumens per Lamp: N/A  
Luminaire Lumens: 18324.1 lumens  
Efficiency: N/A  
Efficacy: 99.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 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

REPORT NUMBER: P482059  
 CATALOG NUMBER: IFLD-S-SA3D-740-U-T2R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

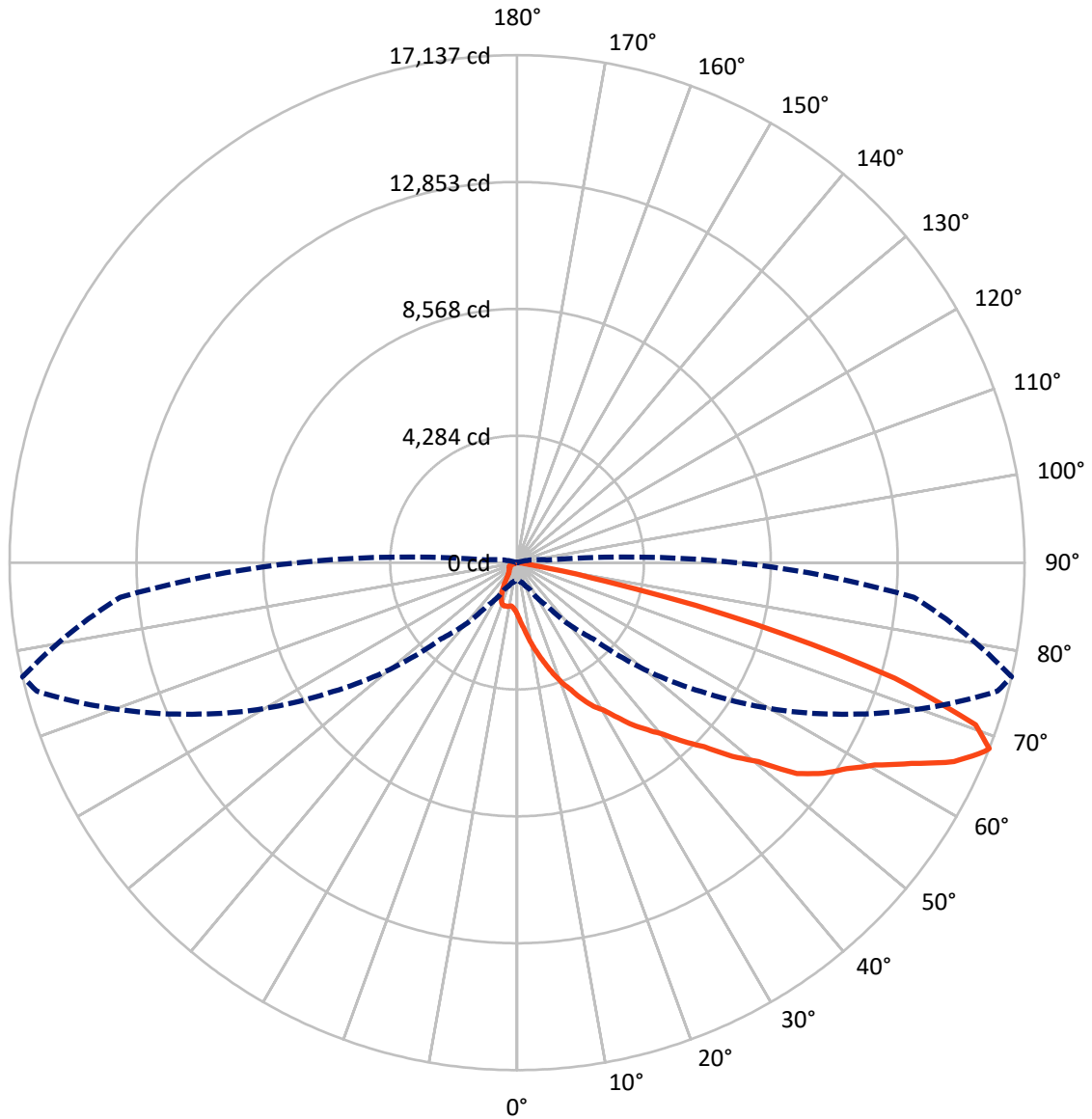
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc  
 Type II - Medium - N/A

REPORT NUMBER: P482059  
CATALOG NUMBER: IFLD-S-SA3D-740-U-T2R-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P482059  
 CATALOG NUMBER: IFLD-S-SA3D-740-U-T2R-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	831.0	0.0	831.0
	% Fixture	4.5	0.0	4.5
<b>Street Side</b>	Lumens	17493.2	0.0	17493.2
	% Fixture	95.5	0.0	95.5
<b>Total</b>	Lumens	18324.1	0.0	18324.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.0	1.1
10°-20°	756.0	4.1
20°-30°	1465.1	8.0
30°-40°	2554.2	13.9
40°-50°	3740.9	20.4
50°-60°	4394.9	24.0
60°-70°	3711.1	20.3
70°-80°	1438.5	7.9
80°-90°	58.5	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°	18324.1	100.0
0°-180°	18324.1	100.0

**Coefficient of Utilization**



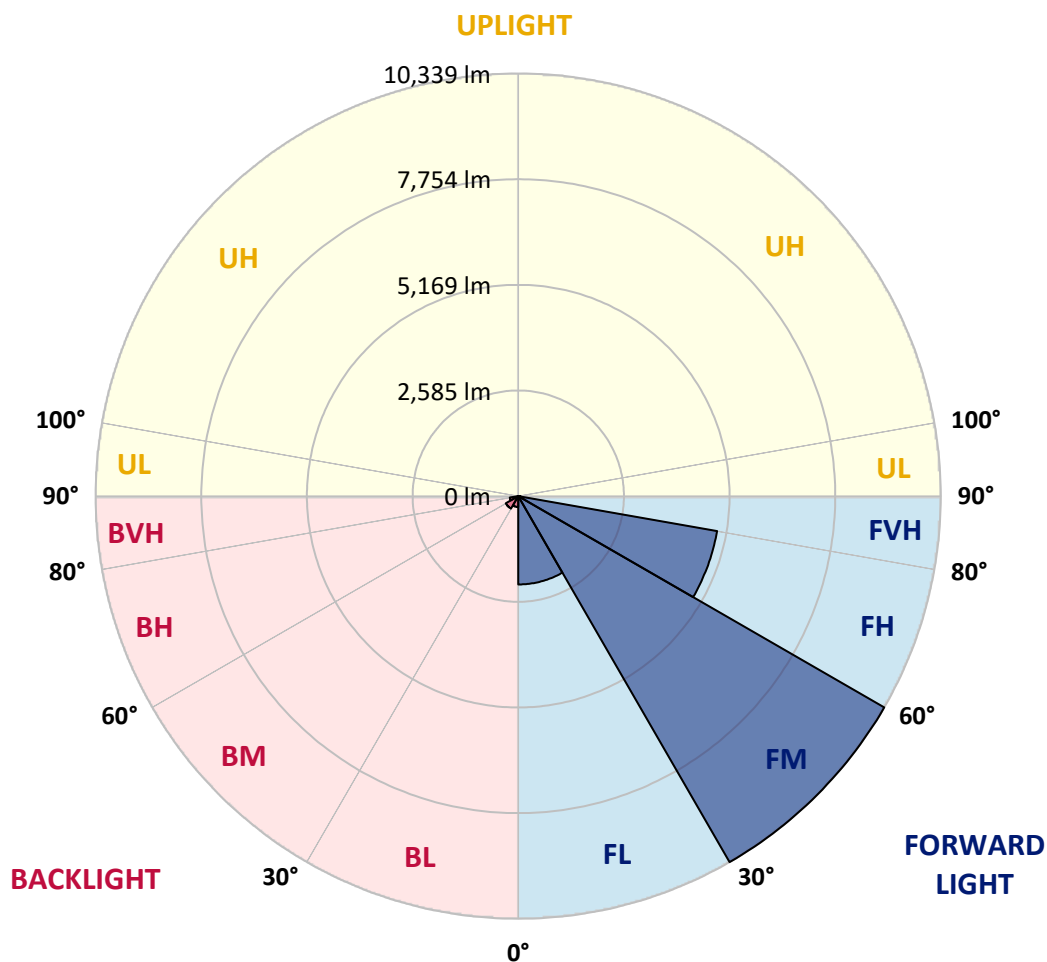
REPORT NUMBER: P482059  
 CATALOG NUMBER: IFLD-S-SA3D-740-U-T2R-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2160.6	11.8			
FM (30°-60°)	10338.8	56.4			
FH (60°-80°)	4939.8	27.0			G2/5000
FVH (80°-90°)	54.0	0.3			G1/100
BL (0°-30°)	265.5	1.4	B1/500		
BM (30°-60°)	351.1	1.9	B1/1000		
BH (60°-80°)	209.8	1.1	B1/500		G1/500
BVH (80°-90°)	4.5	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





REPORT NUMBER: P482059

CATALOG NUMBER: IFLD-S-SA3D-740-U-T2R-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1754.6	1754.6	1754.6	1754.6	1754.6	1754.6	1754.6	1754.6	1754.6	1754.6	1754.6
2.5°	2665.9	2615.4	2562.4	2547.3	2448.8	2337.7	2234.2	2133.2	1964.1	1966.6	1850.5
5°	3435.9	3372.8	3329.9	3319.8	3165.8	2973.9	2817.4	2532.1	2251.9	2188.8	1976.7
7.5°	4069.6	4049.4	3986.3	3933.3	3819.6	3584.9	3400.6	2991.6	2564.9	2494.3	2130.7
10°	4453.3	4483.6	4511.4	4443.2	4354.9	4185.7	3933.3	3491.5	2920.9	2832.5	2330.2
12.5°	4862.3	4811.8	4829.5	4885.0	4768.9	4731.0	4418.0	4006.5	3337.5	3168.3	2582.6
15°	4968.3	4988.5	5031.4	5193.0	5271.3	5162.7	4892.6	4423.0	3769.2	3534.4	2817.4
17.5°	5039.0	5028.9	5081.9	5324.3	5442.9	5546.4	5377.3	4887.5	4145.3	3935.8	3110.2
20°	5127.4	5071.8	5188.0	5342.0	5617.1	5834.2	5826.7	5354.6	4539.1	4317.0	3400.6
22.5°	5455.6	5412.6	5506.1	5521.2	5713.1	6016.0	6089.2	5735.8	4943.1	4670.4	3713.6
25°	6061.5	6139.7	6028.6	5932.7	5990.8	6190.2	6243.2	6074.1	5349.5	5099.6	4026.7
27.5°	6947.6	6937.5	6717.8	6594.1	6455.3	6430.0	6467.9	6389.6	5670.1	5490.9	4284.2
30°	7899.3	7816.0	7614.1	7316.2	7010.7	6821.3	6768.3	6687.5	6046.3	5786.3	4539.1
32.5°	8656.7	8702.1	8477.5	8088.7	7581.2	7326.3	7071.3	6982.9	6460.3	6230.6	4832.0
35°	9353.5	9292.9	9113.6	8785.4	8331.0	7919.5	7520.6	7331.3	6957.7	6730.5	5155.1
37.5°	9868.5	9944.2	9603.4	9290.4	8838.5	8497.6	8106.3	7692.3	7470.2	7167.2	5549.0
40°	10355.7	10237.1	10007.3	9719.5	9300.5	9040.4	8782.9	8136.6	8015.5	7624.2	5993.3
42.5°	10269.9	10277.5	10151.2	9919.0	9616.0	9467.1	9378.7	8676.9	8510.3	8260.3	6427.5
45°	9919.0	9949.3	9992.2	9878.6	9903.8	9754.9	9992.2	9297.9	9133.8	8868.8	6927.4
47.5°	9532.7	9583.2	9573.1	9780.1	10014.9	10065.4	10658.7	9987.1	9916.4	9770.0	7619.1
50°	8891.5	8911.7	9106.1	9482.2	9802.8	10330.5	11158.5	10739.5	10848.0	10560.2	8442.1
52.5°	7795.8	7869.0	8368.9	8906.6	9552.9	10464.3	11496.8	11857.8	12133.0	11837.6	9232.3
55°	6409.8	6510.8	7003.1	8010.4	8957.1	10262.3	11804.8	12448.6	13006.5	12559.7	9712.0
57.5°	5157.7	5167.8	5609.6	6649.7	8111.4	9866.0	11961.3	12736.4	13486.2	13127.7	10297.7
60°	3930.7	3890.3	4286.7	5188.0	6687.5	8891.5	11570.0	12882.8	14084.5	13877.5	11002.0
62.5°	2529.6	2466.5	2898.2	3776.7	5223.3	7268.2	10787.4	12885.3	15018.6	14940.3	12181.0
65°	1252.2	1209.3	1580.4	2315.0	3615.2	5559.1	9671.6	12837.4	16159.7	16210.2	13329.6
67.5°	661.4	676.6	795.2	1173.9	2085.3	3928.2	7990.2	12274.4	16742.8	17025.6	13607.3
68°	608.4	613.5	706.9	977.0	1810.1	3642.9	7591.3	12110.3	16788.3	17136.7	13453.3
70°	494.8	502.4	535.2	613.5	979.5	2370.6	5857.0	10716.7	16104.1	16422.2	12178.4
72.5°	393.8	416.6	436.7	469.6	575.6	1244.6	3642.9	8351.2	13304.4	13339.7	9479.7
75°	300.4	318.1	358.5	386.3	449.4	684.2	1734.4	5092.0	8729.9	8300.7	5584.3
77.5°	232.3	247.4	265.1	302.9	376.2	462.0	530.2	2161.0	3708.6	3052.2	1577.8
80°	138.9	148.9	207.0	237.3	328.2	313.0	209.5	600.8	752.3	593.3	287.8
82.5°	80.8	88.4	118.7	181.8	229.7	169.1	123.7	186.8	184.3	161.6	95.9
85°	2.5	5.0	65.6	108.6	80.8	45.4	75.7	78.3	65.6	60.6	42.9
87.5°	0.0	2.5	17.7	15.1	17.7	10.1	15.1	20.2	25.2	22.7	17.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P482059

CATALOG NUMBER: IFLD-S-SA3D-740-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1754.6	1754.6	1754.6	1754.6	1754.6	1754.6	1754.6	1754.6	1754.6	1754.6	1754.6
2.5°	1772.2	1716.7	1593.0	1499.6	1398.6	1338.0	1277.4	1239.6	1219.4	1206.7	1216.8
5°	1817.7	1701.5	1502.1	1325.4	1209.3	1131.0	1052.7	1012.3	974.5	954.3	966.9
7.5°	1918.7	1744.5	1413.7	1221.9	1085.6	964.4	865.9	787.7	742.2	701.8	709.4
10°	2042.4	1769.7	1416.3	1161.3	964.4	772.5	633.7	535.2	479.7	444.3	441.8
12.5°	2168.6	1868.2	1426.4	1100.7	815.4	580.6	416.6	343.3	310.5	292.8	292.8
15°	2360.5	1956.5	1401.1	989.6	618.5	378.7	285.3	260.0	247.4	232.3	234.8
17.5°	2527.1	2097.9	1388.5	823.0	424.1	272.7	237.3	209.5	196.9	181.8	181.8
20°	2751.8	2186.3	1320.3	636.2	292.8	227.2	191.9	166.6	146.4	133.8	136.3
22.5°	2956.3	2254.4	1199.2	434.2	224.7	179.2	141.4	116.1	98.5	83.3	85.8
25°	3178.4	2322.6	1022.4	267.6	159.0	111.1	75.7	55.5	37.9	27.8	27.8
27.5°	3337.5	2342.8	792.7	159.0	95.9	50.5	17.7	2.5	0.0	0.0	0.0
30°	3499.0	2350.4	547.8	85.8	37.9	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	3683.3	2347.8	343.3	45.4	2.5	0.0	0.0	0.0	0.0	0.0	0.0
35°	3824.7	2304.9	164.1	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	4039.3	2241.8	50.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	4284.2	2128.2	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	4503.8	2012.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	4753.7	1868.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	5193.0	1807.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	5766.1	1759.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	6119.5	1618.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	6303.8	1471.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	6576.5	1401.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	6980.4	1406.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	7611.5	1476.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	7959.9	1406.2	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	7664.5	1126.0	48.0	12.6	2.5	0.0	0.0	0.0	0.0	0.0	0.0
68°	7409.6	1035.1	48.0	12.6	2.5	0.0	0.0	0.0	0.0	0.0	0.0
70°	6124.6	674.1	45.4	12.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	4460.9	373.6	37.9	10.1	5.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	2595.2	186.8	27.8	10.1	5.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	676.6	93.4	22.7	12.6	7.6	2.5	0.0	0.0	0.0	0.0	0.0
80°	133.8	60.6	20.2	15.1	10.1	5.0	0.0	0.0	0.0	0.0	0.0
82.5°	63.1	42.9	20.2	15.1	12.6	7.6	2.5	0.0	0.0	0.0	0.0
85°	32.8	20.2	20.2	15.1	15.1	10.1	5.0	0.0	0.0	0.0	0.0
87.5°	15.1	7.6	7.6	7.6	7.6	5.0	2.5	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)