

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: P481917

Luminaire Tested: **IFLD-S-SA6C-722-U-T2R-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P481917  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-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**

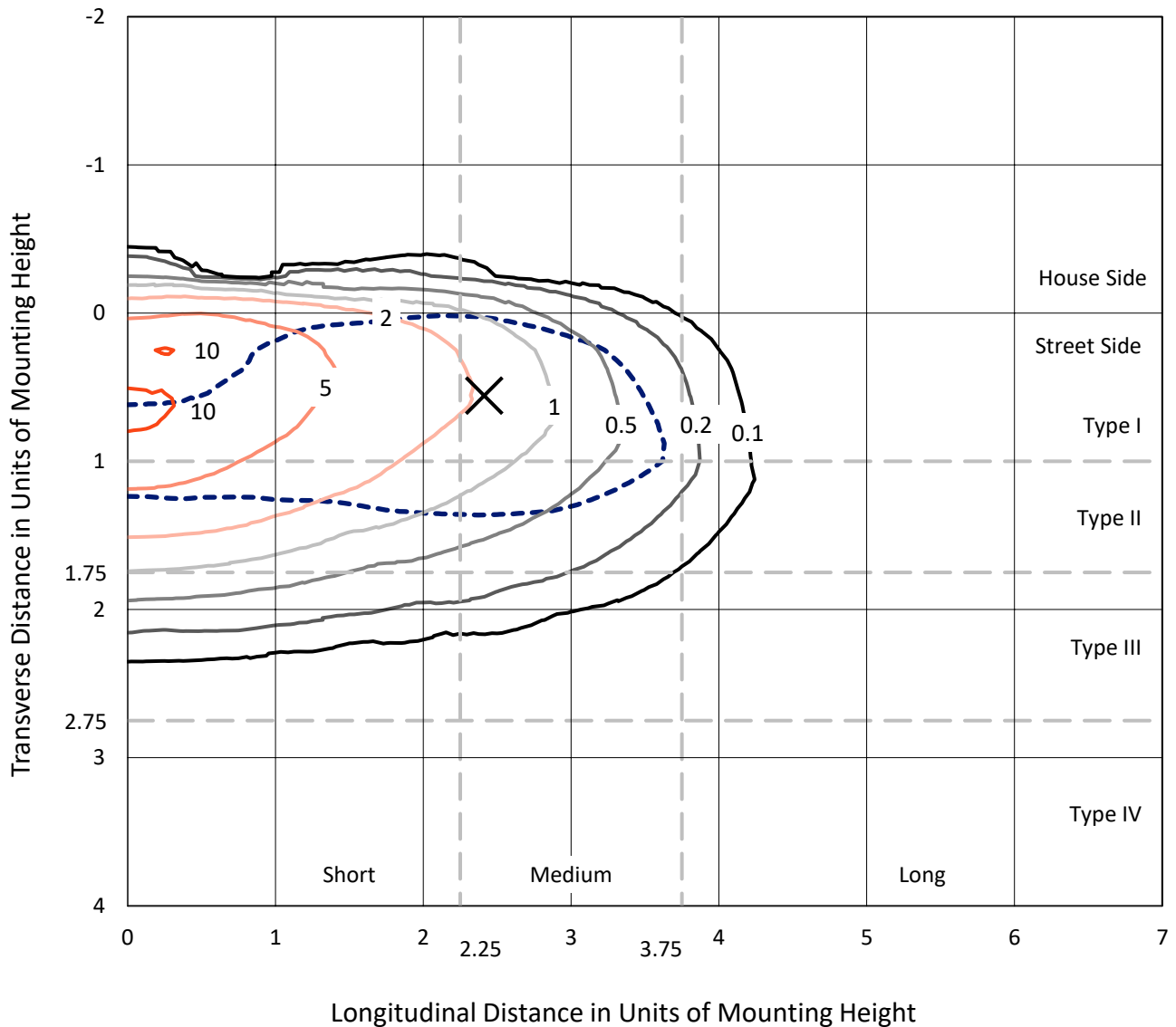
Lumens per Lamp: N/A  
Luminaire Lumens: 24063.5 lumens  
Efficiency: N/A  
Efficacy: 74.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G3

Input Watts (W): 321.5  
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

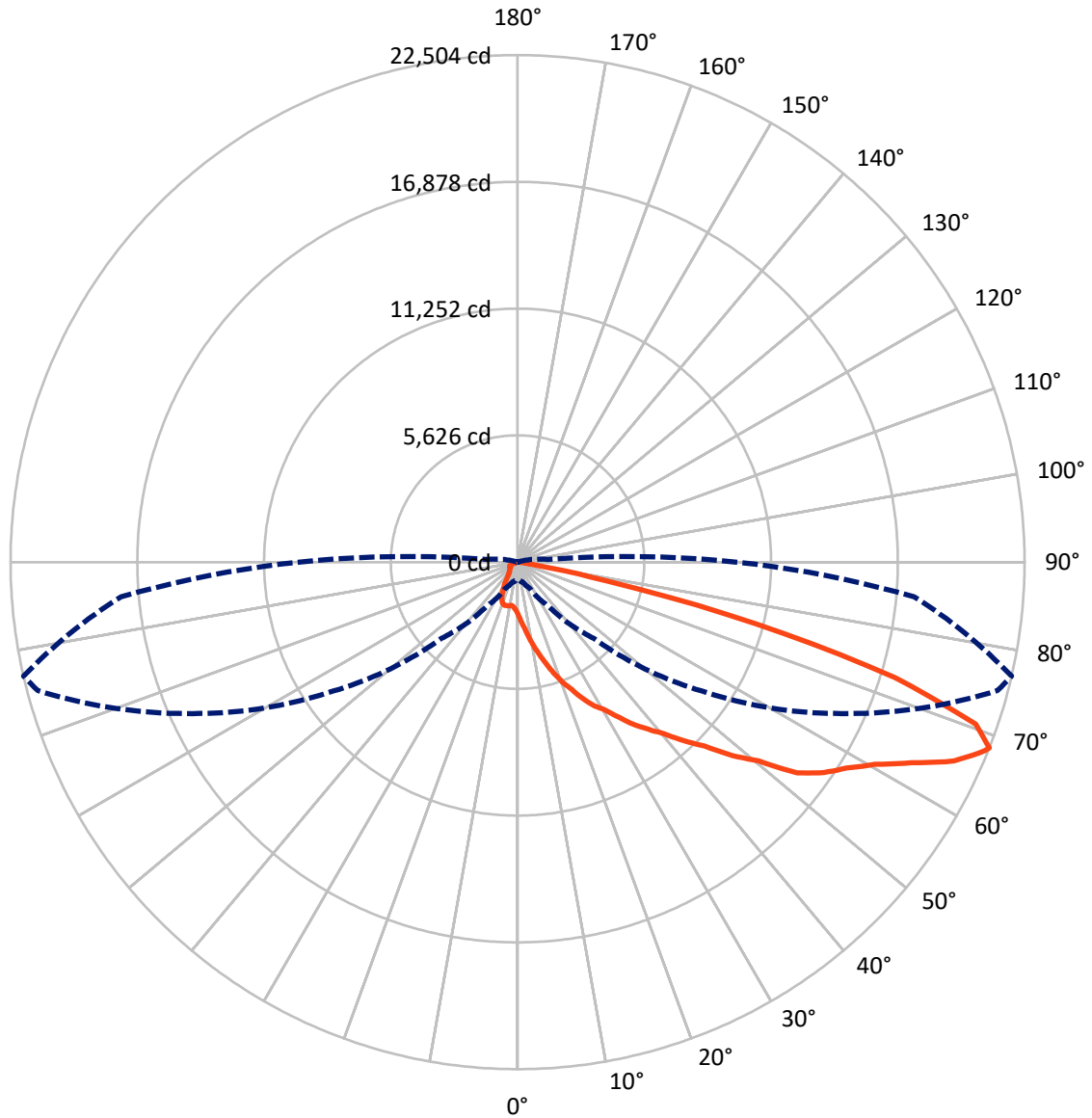
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 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
<b>House Side</b>	Lumens	1091.3	0.0	1091.3
	% Fixture	4.5	0.0	4.5
<b>Street Side</b>	Lumens	22972.3	0.0	22972.3
	% Fixture	95.5	0.0	95.5
<b>Total</b>	Lumens	24063.5	0.0	24063.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	269.2	1.1
10°-20°	992.8	4.1
20°-30°	1924.0	8.0
30°-40°	3354.2	13.9
40°-50°	4912.5	20.4
50°-60°	5771.5	24.0
60°-70°	4873.5	20.3
70°-80°	1889.1	7.9
80°-90°	76.8	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°	24063.5	100.0
0°-180°	24063.5	100.0

**Coefficient of Utilization**



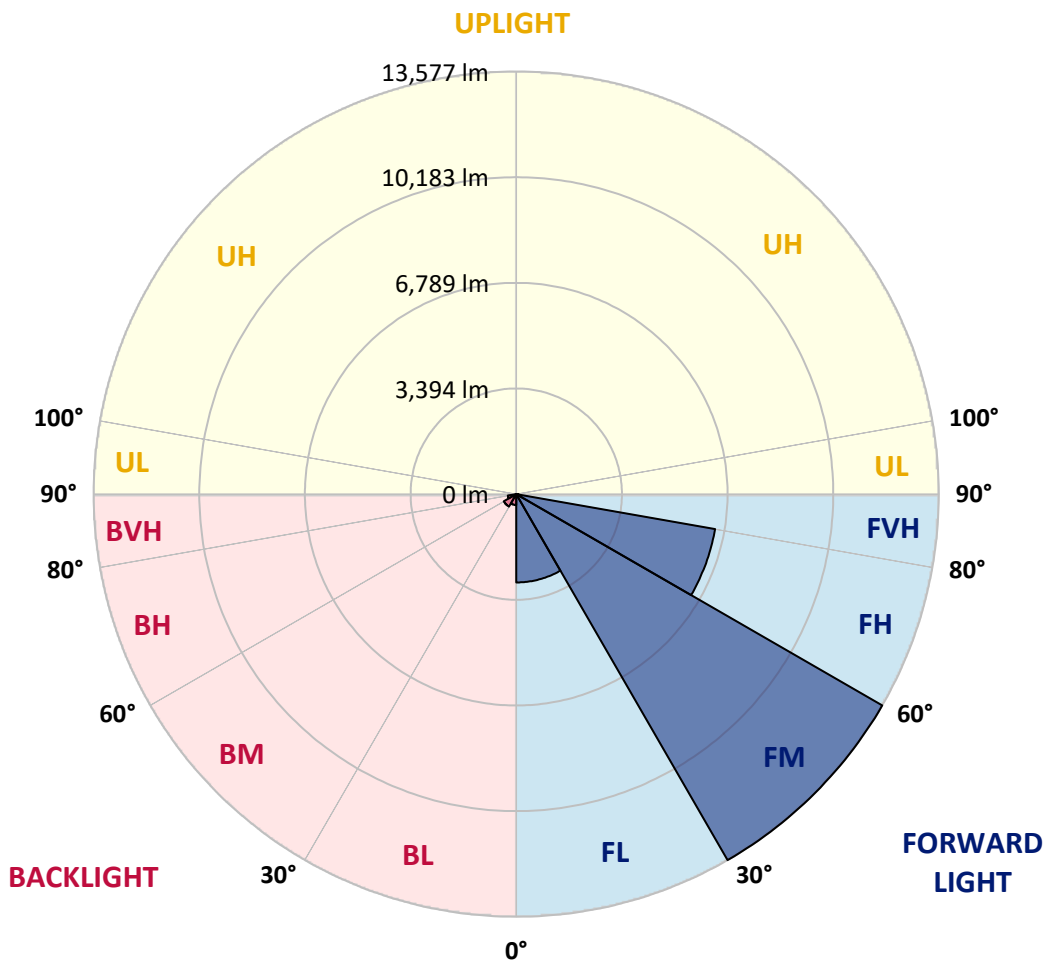
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2837.3	11.8			
FM (30°-60°)	13577.1	56.4			
FH (60°-80°)	6487.0	27.0			G3/7500
FVH (80°-90°)	70.9	0.3			G1/100
BL (0°-30°)	348.7	1.4	B1/500		
BM (30°-60°)	461.1	1.9	B1/1000		
BH (60°-80°)	275.5	1.1	B1/500		G1/500
BVH (80°-90°)	5.9	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-G3**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2304.1	2304.1	2304.1	2304.1	2304.1	2304.1	2304.1	2304.1	2304.1	2304.1	2304.1
2.5°	3500.9	3434.6	3365.0	3345.1	3215.8	3069.9	2934.0	2801.4	2579.3	2582.6	2430.1
5°	4512.1	4429.2	4372.9	4359.6	4157.4	3905.4	3699.8	3325.2	2957.2	2874.3	2595.9
7.5°	5344.2	5317.7	5234.8	5165.2	5016.0	4707.7	4465.7	3928.6	3368.3	3275.5	2798.1
10°	5848.1	5887.9	5924.4	5834.9	5718.9	5496.7	5165.2	4585.0	3835.8	3719.7	3060.0
12.5°	6385.2	6318.9	6342.1	6415.1	6262.6	6212.8	5801.7	5261.3	4382.8	4160.7	3391.5
15°	6524.5	6551.0	6607.3	6819.5	6922.3	6779.7	6425.0	5808.4	4949.7	4641.4	3699.8
17.5°	6617.3	6604.0	6673.7	6991.9	7147.7	7283.7	7061.5	6418.4	5443.7	5168.5	4084.4
20°	6733.3	6660.4	6812.9	7015.1	7376.5	7661.6	7651.7	7031.7	5960.9	5669.1	4465.7
22.5°	7164.3	7108.0	7230.6	7250.5	7502.5	7900.3	7996.4	7532.3	6491.3	6133.3	4876.8
25°	7960.0	8062.8	7916.9	7790.9	7867.2	8129.1	8198.7	7976.6	7025.1	6696.9	5287.9
27.5°	9123.6	9110.4	8822.0	8659.5	8477.2	8444.0	8493.7	8391.0	7446.1	7210.7	5626.0
30°	10373.5	10264.1	9998.9	9607.7	9206.5	8957.9	8888.3	8782.2	7940.1	7598.6	5960.9
32.5°	11368.1	11427.8	11132.7	10622.1	9955.8	9620.9	9286.1	9170.1	8483.8	8182.1	6345.4
35°	12283.1	12203.5	11968.1	11537.2	10940.4	10400.0	9876.2	9627.6	9136.9	8838.5	6769.8
37.5°	12959.4	13058.9	12611.3	12200.2	11606.8	11159.2	10645.4	10101.6	9809.9	9412.1	7287.0
40°	13599.3	13443.4	13141.8	12763.8	12213.5	11872.0	11533.8	10685.1	10526.0	10012.1	7870.5
42.5°	13486.5	13496.5	13330.7	13025.7	12627.9	12432.3	12316.3	11394.6	11175.8	10847.6	8440.7
45°	13025.7	13065.5	13121.9	12972.7	13005.8	12810.2	13121.9	12210.2	11994.7	11646.6	9097.1
47.5°	12518.5	12584.8	12571.5	12843.4	13151.7	13218.0	13997.1	13115.2	13022.4	12830.1	10005.5
50°	11676.4	11702.9	11958.2	12452.2	12873.2	13566.1	14653.5	14103.2	14245.7	13867.8	11086.3
52.5°	10237.6	10333.7	10990.1	11696.3	12545.0	13741.8	15097.8	15571.9	15933.2	15545.3	12124.0
55°	8417.5	8550.1	9196.6	10519.4	11762.6	13476.6	15502.2	16347.6	17080.3	16493.5	12753.9
57.5°	6773.1	6786.4	7366.5	8732.4	10652.0	12956.1	15707.8	16725.6	17710.2	17239.4	13523.0
60°	5161.9	5108.8	5629.3	6812.9	8782.2	11676.4	15193.9	16917.9	18495.9	18224.1	14448.0
62.5°	3321.9	3239.0	3805.9	4959.7	6859.3	9544.7	14166.2	16921.2	19722.6	19619.8	15996.2
65°	1644.4	1588.0	2075.4	3040.1	4747.5	7300.2	12700.8	16858.2	21221.1	21287.4	17504.7
67.5°	868.6	888.5	1044.3	1541.6	2738.4	5158.6	10492.9	16118.9	21986.9	22358.2	17869.3
68°	799.0	805.6	928.3	1283.0	2377.1	4783.9	9969.0	15903.4	22046.6	22504.1	17667.1
70°	649.8	659.7	702.8	805.6	1286.3	3113.0	7691.4	14073.3	21148.2	21565.9	15992.9
72.5°	517.2	547.0	573.5	616.6	755.9	1634.4	4783.9	10966.9	17471.5	17517.9	12448.9
75°	394.5	417.7	470.8	507.2	590.1	898.4	2277.6	6686.9	11464.2	10900.6	7333.4
77.5°	305.0	324.9	348.1	397.8	494.0	606.7	696.2	2837.9	4870.1	4008.2	2072.0
80°	182.3	195.6	271.9	311.6	431.0	411.1	275.2	789.0	988.0	779.1	377.9
82.5°	106.1	116.0	155.8	238.7	301.7	222.1	162.4	245.3	242.0	212.2	126.0
85°	3.3	6.6	86.2	142.6	106.1	59.7	99.5	102.8	86.2	79.6	56.4
87.5°	0.0	3.3	23.2	19.9	23.2	13.3	19.9	26.5	33.2	29.8	23.2
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°	2304.1	2304.1	2304.1	2304.1	2304.1	2304.1	2304.1	2304.1	2304.1	2304.1	2304.1
2.5°	2327.3	2254.4	2091.9	1969.3	1836.7	1757.1	1677.5	1627.8	1601.3	1584.7	1598.0
5°	2387.0	2234.5	1972.6	1740.5	1588.0	1485.2	1382.5	1329.4	1279.7	1253.2	1269.8
7.5°	2519.6	2290.9	1856.6	1604.6	1425.6	1266.4	1137.1	1034.4	974.7	921.6	931.6
10°	2682.1	2324.0	1859.9	1525.0	1266.4	1014.5	832.1	702.8	629.9	583.5	580.2
12.5°	2847.8	2453.3	1873.1	1445.5	1070.8	762.5	547.0	450.9	407.8	384.6	384.6
15°	3099.8	2569.3	1840.0	1299.6	812.2	497.3	374.6	341.5	324.9	305.0	308.3
17.5°	3318.6	2755.0	1823.4	1080.8	557.0	358.0	311.6	275.2	258.6	238.7	238.7
20°	3613.7	2871.0	1733.9	835.4	384.6	298.4	252.0	218.8	192.3	175.7	179.0
22.5°	3882.2	2960.5	1574.8	570.2	295.1	235.4	185.7	152.5	129.3	109.4	112.7
25°	4173.9	3050.1	1342.7	351.4	208.9	145.9	99.5	72.9	49.7	36.5	36.5
27.5°	4382.8	3076.6	1041.0	208.9	126.0	66.3	23.2	3.3	0.0	0.0	0.0
30°	4595.0	3086.5	719.4	112.7	49.7	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	4837.0	3083.2	450.9	59.7	3.3	0.0	0.0	0.0	0.0	0.0	0.0
35°	5022.6	3026.8	215.5	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	5304.4	2944.0	66.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	5626.0	2794.8	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	5914.5	2642.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	6242.7	2453.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	6819.5	2373.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	7572.1	2310.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	8036.2	2125.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	8278.2	1932.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	8636.3	1840.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	9166.7	1846.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	9995.6	1939.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	10453.1	1846.6	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	10065.2	1478.6	63.0	16.6	3.3	0.0	0.0	0.0	0.0	0.0	0.0
68°	9730.3	1359.3	63.0	16.6	3.3	0.0	0.0	0.0	0.0	0.0	0.0
70°	8042.9	885.2	59.7	16.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	5858.1	490.7	49.7	13.3	6.6	0.0	0.0	0.0	0.0	0.0	0.0
75°	3408.1	245.3	36.5	13.3	6.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	888.5	122.7	29.8	16.6	9.9	3.3	0.0	0.0	0.0	0.0	0.0
80°	175.7	79.6	26.5	19.9	13.3	6.6	0.0	0.0	0.0	0.0	0.0
82.5°	82.9	56.4	26.5	19.9	16.6	9.9	3.3	0.0	0.0	0.0	0.0
85°	43.1	26.5	26.5	19.9	19.9	13.3	6.6	0.0	0.0	0.0	0.0
87.5°	19.9	9.9	9.9	9.9	9.9	6.6	3.3	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)