

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: P482113

Luminaire Tested: **IFLD-S-SA6D-750-U-T2R-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P482113  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-750-U-T2R-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R  
distribution lens with House Side Shield  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

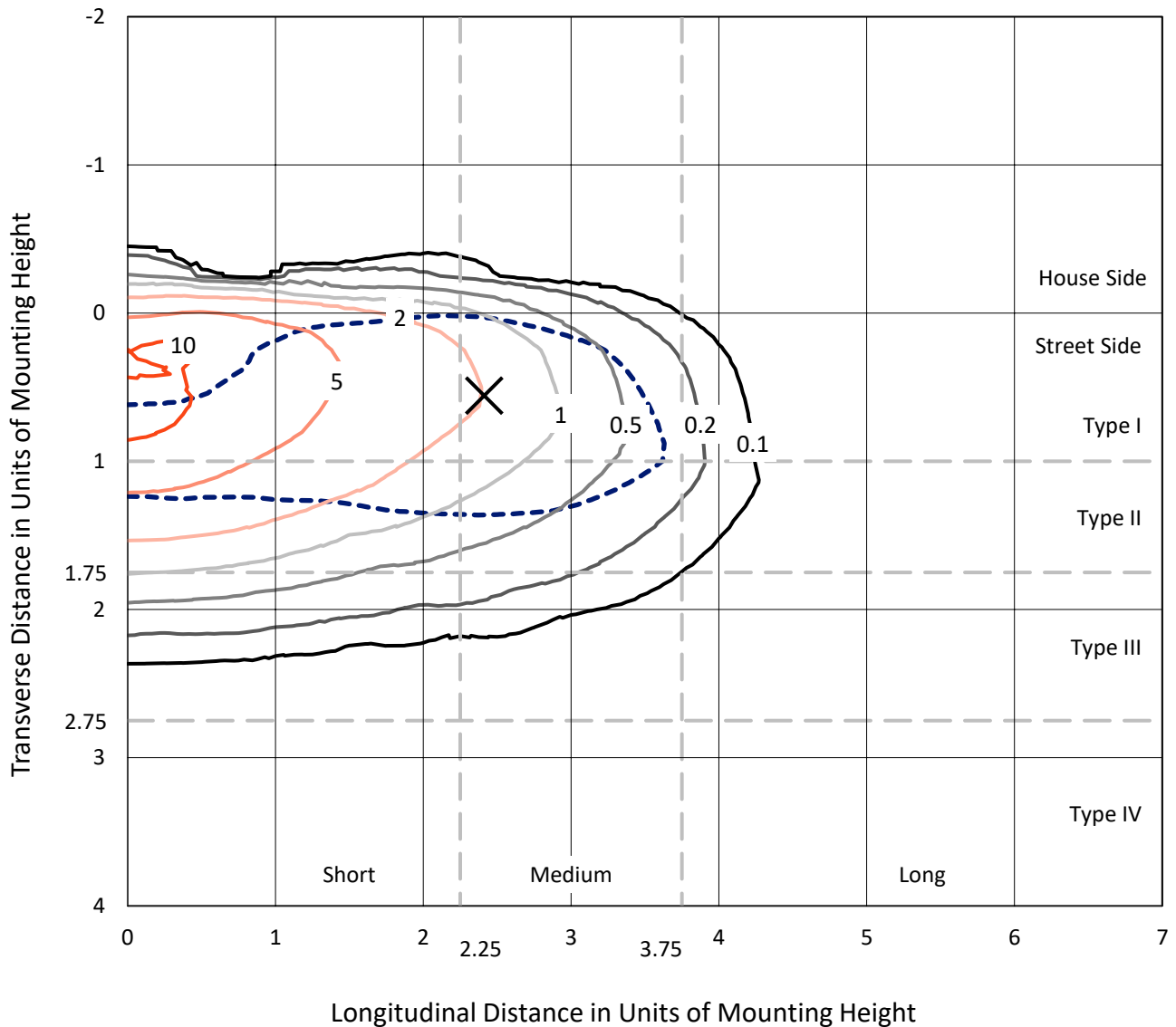
Lumens per Lamp: N/A  
Luminaire Lumens: 36770 lumens  
Efficiency: N/A  
Efficacy: 99.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G4

Input Watts (W): 368.2  
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

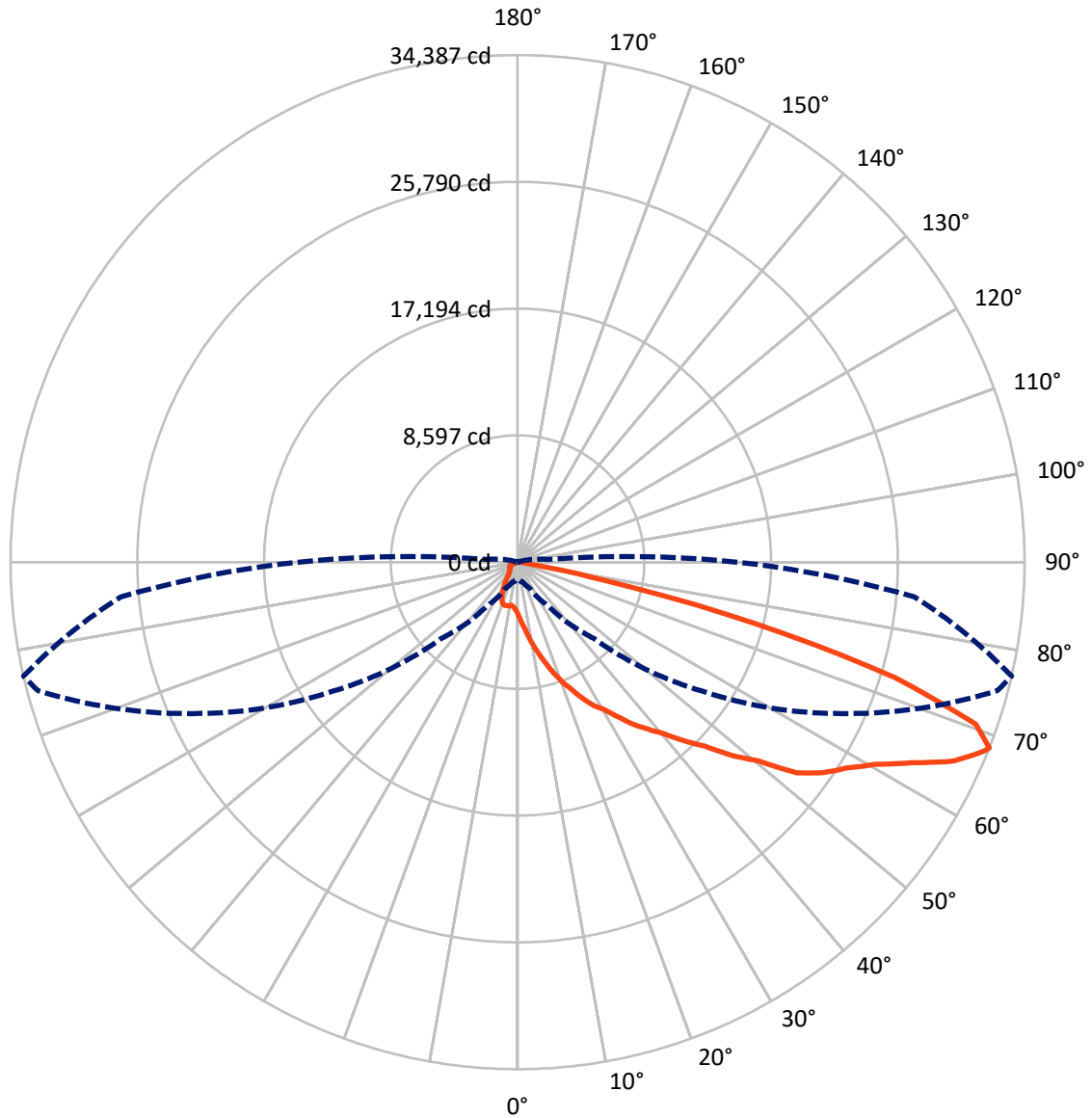
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 11.6 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	1667.5	0.0	1667.5
	% Fixture	4.5	0.0	4.5
<b>Street Side</b>	Lumens	35102.6	0.0	35102.6
	% Fixture	95.5	0.0	95.5
<b>Total</b>	Lumens	36770.0	0.0	36770.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	411.3	1.1
10°-20°	1517.0	4.1
20°-30°	2940.0	8.0
30°-40°	5125.3	13.9
40°-50°	7506.6	20.4
50°-60°	8819.0	24.0
60°-70°	7446.9	20.3
70°-80°	2886.6	7.9
80°-90°	117.4	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°	36770.0	100.0
0°-180°	36770.0	100.0

**Coefficient of Utilization**

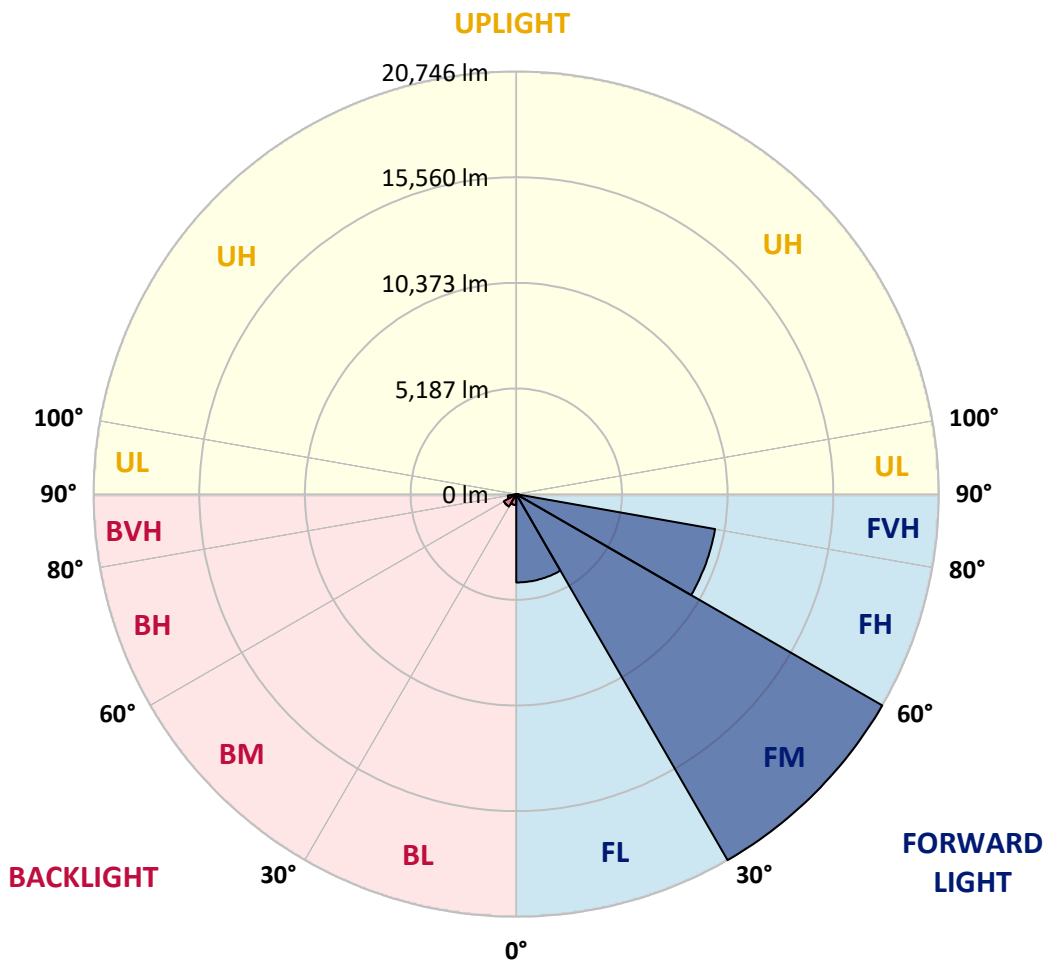


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4335.5	11.8			
FM (30°-60°)	20746.3	56.4			
FH (60°-80°)	9912.4	27.0			G4/12000
FVH (80°-90°)	108.3	0.3			G2/225
BL (0°-30°)	532.8	1.4	B2/1000		
BM (30°-60°)	704.6	1.9	B1/1000		
BH (60°-80°)	421.0	1.1	B1/500		G1/500
BVH (80°-90°)	9.1	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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3520.8	3520.8	3520.8	3520.8	3520.8	3520.8	3520.8	3520.8	3520.8	3520.8	3520.8
2.5°	5349.6	5248.3	5141.9	5111.5	4913.9	4691.0	4483.3	4280.7	3941.3	3946.3	3713.3
5°	6894.7	6768.0	6681.9	6661.6	6352.6	5967.6	5653.5	5081.1	4518.8	4392.1	3966.6
7.5°	8166.2	8125.7	7999.0	7892.6	7664.7	7193.5	6823.7	6003.1	5146.9	5005.1	4275.6
10°	8936.2	8997.0	9052.7	8915.9	8738.6	8399.2	7892.6	7006.1	5861.2	5683.9	4675.8
12.5°	9756.9	9655.6	9691.0	9802.5	9569.4	9493.5	8865.3	8039.6	6697.1	6357.7	5182.4
15°	9969.7	10010.2	10096.3	10420.5	10577.6	10359.7	9817.7	8875.4	7563.4	7092.2	5653.5
17.5°	10111.5	10091.2	10197.6	10683.9	10922.0	11129.7	10790.3	9807.5	8318.2	7897.7	6241.2
20°	10288.8	10177.4	10410.4	10719.4	11271.6	11707.2	11692.1	10744.7	9108.5	8662.7	6823.7
22.5°	10947.4	10861.2	11048.7	11079.1	11464.1	12072.0	12218.9	11509.7	9919.0	9371.9	7451.9
25°	12163.2	12320.2	12097.3	11904.8	12021.3	12421.5	12527.9	12188.5	10734.6	10233.1	8080.1
27.5°	13941.3	13921.0	13480.3	13232.1	12953.5	12902.8	12978.8	12821.7	11378.0	11018.3	8596.8
30°	15851.1	15684.0	15278.7	14680.9	14067.9	13688.0	13581.6	13419.5	12132.8	11611.0	9108.5
32.5°	17370.9	17462.1	17011.2	16231.1	15212.8	14701.2	14189.5	14012.2	12963.6	12502.6	9696.1
35°	18769.1	18647.5	18287.8	17629.3	16717.4	15891.7	15091.3	14711.3	13961.6	13505.6	10344.5
37.5°	19802.5	19954.5	19270.6	18642.4	17735.6	17051.8	16266.5	15435.7	14989.9	14382.0	11134.8
40°	20780.2	20542.1	20081.1	19503.6	18662.7	18140.9	17624.2	16327.3	16084.2	15299.0	12026.4
42.5°	20608.0	20623.2	20369.9	19903.8	19295.9	18997.0	18819.7	17411.4	17077.1	16575.6	12897.7
45°	19903.8	19964.6	20050.8	19822.8	19873.4	19574.6	20050.8	18657.6	18328.4	17796.4	13900.8
47.5°	19128.8	19230.1	19209.8	19625.2	20096.3	20197.7	21388.1	20040.6	19898.8	19605.0	15288.8
50°	17842.0	17882.6	18272.6	19027.4	19670.8	20729.6	22391.2	21550.3	21768.1	21190.6	16940.3
52.5°	15643.4	15790.3	16793.4	17872.4	19169.3	20998.1	23070.0	23794.4	24346.6	23753.9	18525.9
55°	12862.3	13064.9	14052.8	16074.0	17973.7	20592.8	23688.1	24979.9	26099.4	25202.8	19488.4
57.5°	10349.6	10369.9	11256.4	13343.5	16276.7	19797.5	24002.1	25557.4	27061.9	26342.6	20663.7
60°	7887.6	7806.5	8601.9	10410.4	13419.5	17842.0	23216.9	25851.2	28262.5	27847.1	22077.1
62.5°	5076.0	4949.4	5815.6	7578.6	10481.3	14584.7	21646.5	25856.3	30136.9	29979.9	24442.9
65°	2512.7	2426.6	3171.2	4645.4	7254.3	11155.1	19407.4	25760.0	32426.7	32528.0	26747.8
67.5°	1327.3	1357.7	1595.8	2355.6	4184.4	7882.5	16033.5	24630.3	33596.9	34164.3	27305.1
68°	1220.9	1231.0	1418.4	1960.5	3632.2	7310.1	15233.1	24301.0	33688.1	34387.2	26996.1
70°	992.9	1008.1	1074.0	1231.0	1965.6	4756.9	11752.8	21504.7	32315.2	32953.5	24437.8
72.5°	790.3	835.9	876.4	942.3	1155.0	2497.5	7310.1	16757.9	26697.2	26768.1	19022.4
75°	602.8	638.3	719.4	775.1	901.7	1372.9	3480.3	10217.9	17517.8	16656.6	11205.7
77.5°	466.1	496.5	531.9	607.9	754.8	927.1	1063.8	4336.4	7441.8	6124.6	3166.2
80°	278.6	298.9	415.4	476.2	658.6	628.2	420.5	1205.7	1509.6	1190.5	577.5
82.5°	162.1	177.3	238.1	364.7	461.0	339.4	248.2	374.9	369.8	324.2	192.5
85°	5.1	10.1	131.7	217.8	162.1	91.2	152.0	157.0	131.7	121.6	86.1
87.5°	0.0	5.1	35.5	30.4	35.5	20.3	30.4	40.5	50.7	45.6	35.5
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°	3520.8	3520.8	3520.8	3520.8	3520.8	3520.8	3520.8	3520.8	3520.8	3520.8	3520.8
2.5°	3556.2	3444.8	3196.6	3009.1	2806.5	2684.9	2563.3	2487.3	2446.8	2421.5	2441.8
5°	3647.4	3414.4	3014.2	2659.6	2426.6	2269.5	2112.5	2031.4	1955.4	1914.9	1940.2
7.5°	3850.1	3500.5	2836.9	2451.9	2178.3	1935.2	1737.6	1580.6	1489.4	1408.3	1423.5
10°	4098.3	3551.2	2842.0	2330.3	1935.2	1550.2	1271.5	1074.0	962.5	891.6	886.5
12.5°	4351.6	3748.8	2862.2	2208.7	1636.3	1165.2	835.9	689.0	623.1	587.6	587.6
15°	4736.6	3926.1	2811.6	1985.8	1241.1	759.9	572.4	521.8	496.5	466.1	471.1
17.5°	5070.9	4209.7	2786.2	1651.5	851.1	547.1	476.2	420.5	395.1	364.7	364.7
20°	5521.8	4387.1	2649.5	1276.6	587.6	455.9	385.0	334.3	293.8	268.5	273.6
22.5°	5932.1	4523.8	2406.3	871.3	450.9	359.7	283.7	233.0	197.6	167.2	172.2
25°	6377.9	4660.6	2051.7	537.0	319.2	222.9	152.0	111.4	76.0	55.7	55.7
27.5°	6697.1	4701.1	1590.7	319.2	192.5	101.3	35.5	5.1	0.0	0.0	0.0
30°	7021.3	4716.3	1099.3	172.2	76.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	7391.1	4711.3	689.0	91.2	5.1	0.0	0.0	0.0	0.0	0.0	0.0
35°	7674.8	4625.1	329.3	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	8105.4	4498.5	101.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	8596.8	4270.5	20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	9037.5	4037.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	9539.1	3748.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	10420.5	3627.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	11570.5	3530.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	12279.7	3247.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	12649.5	2953.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	13196.6	2811.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	14007.2	2821.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	15273.6	2963.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	15972.7	2821.7	20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	15380.0	2259.4	96.3	25.3	5.1	0.0	0.0	0.0	0.0	0.0	0.0
68°	14868.4	2077.0	96.3	25.3	5.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	12289.8	1352.6	91.2	25.3	10.1	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	8951.4	749.8	76.0	20.3	10.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	5207.7	374.9	55.7	20.3	10.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1357.7	187.4	45.6	25.3	15.2	5.1	0.0	0.0	0.0	0.0	0.0
80°	268.5	121.6	40.5	30.4	20.3	10.1	0.0	0.0	0.0	0.0	0.0
82.5°	126.6	86.1	40.5	30.4	25.3	15.2	5.1	0.0	0.0	0.0	0.0
85°	65.9	40.5	40.5	30.4	30.4	20.3	10.1	0.0	0.0	0.0	0.0
87.5°	30.4	15.2	15.2	15.2	15.2	10.1	5.1	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)