

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: P482791

Luminaire Tested: **IFLD-L-SA8D-730-U-T3R-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P482791  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8D-730-U-T3R-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R  
distribution lens with House Side Shield  
Light Source: (128) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

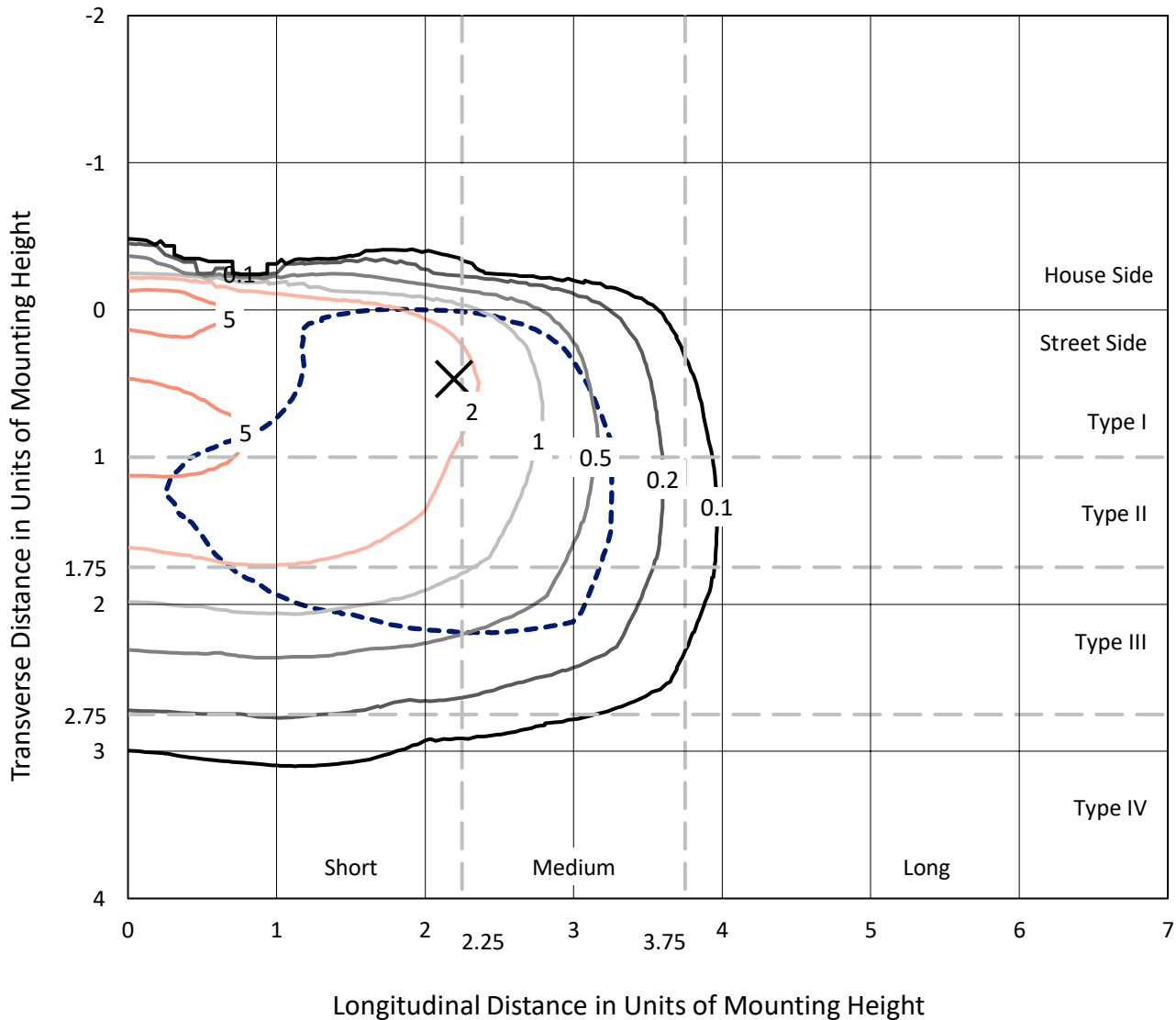
Lumens per Lamp: N/A  
Luminaire Lumens: 36388.5 lumens  
Efficiency: N/A  
Efficacy: 74.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5

Input Watts (W): 488.3  
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: P482791  
 CATALOG NUMBER: IFLD-L-SA8D-730-U-T3R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

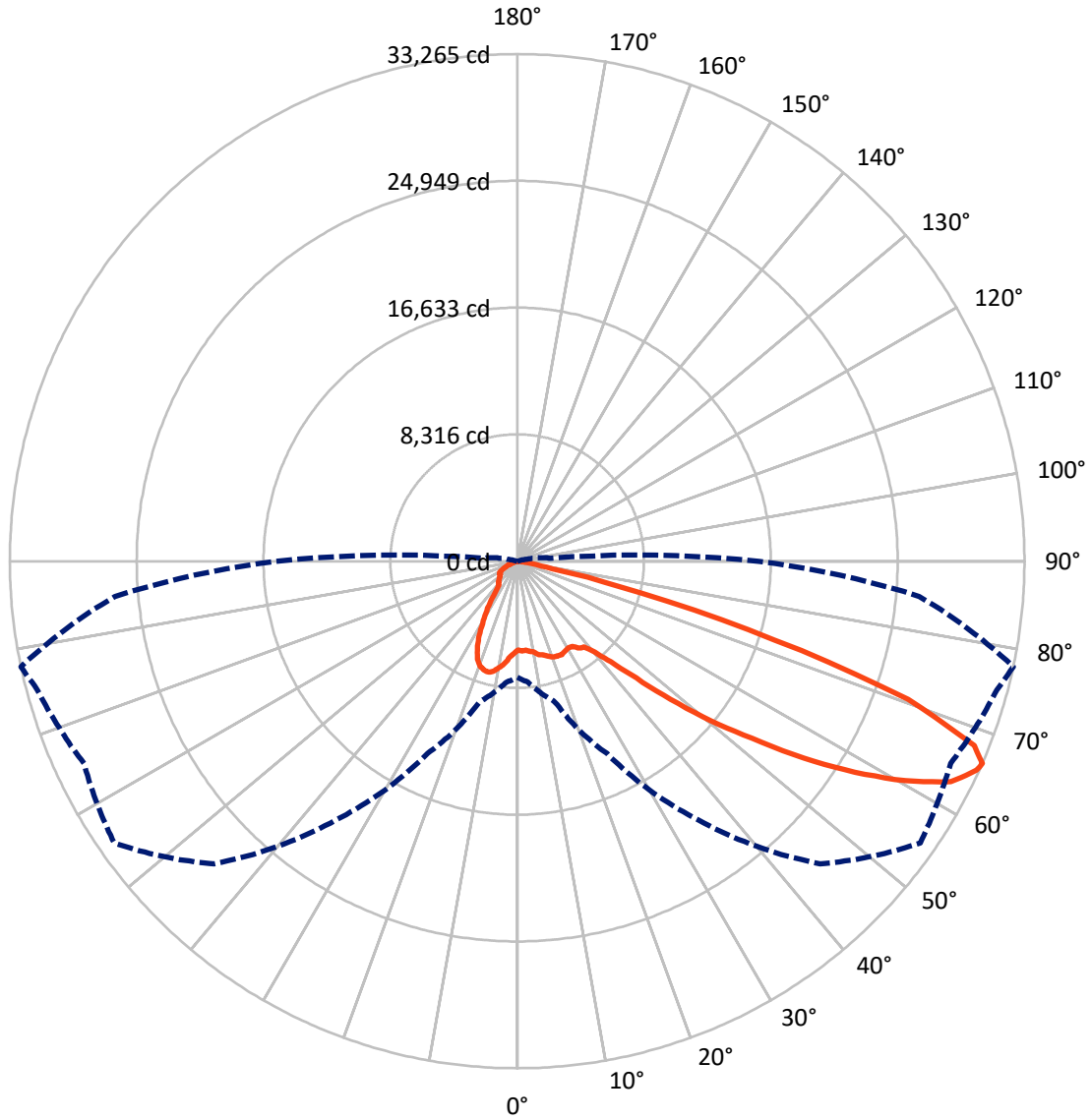
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.4 fc  
 Type III - Short - N/A

REPORT NUMBER: P482791  
CATALOG NUMBER: IFLD-L-SA8D-730-U-T3R-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P482791  
 CATALOG NUMBER: IFLD-L-SA8D-730-U-T3R-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2558.3	0.0	2558.3
	% Fixture	7.0	0.0	7.0
<b>Street Side</b>	Lumens	33830.2	0.0	33830.2
	% Fixture	93.0	0.0	93.0
<b>Total</b>	Lumens	36388.5	0.0	36388.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	533.2	1.5
10°-20°	1203.6	3.3
20°-30°	1720.4	4.7
30°-40°	2944.8	8.1
40°-50°	5315.0	14.6
50°-60°	9089.4	25.0
60°-70°	11187.4	30.7
70°-80°	4229.5	11.6
80°-90°	165.2	0.5
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°	36388.5	100.0
0°-180°	36388.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P482791

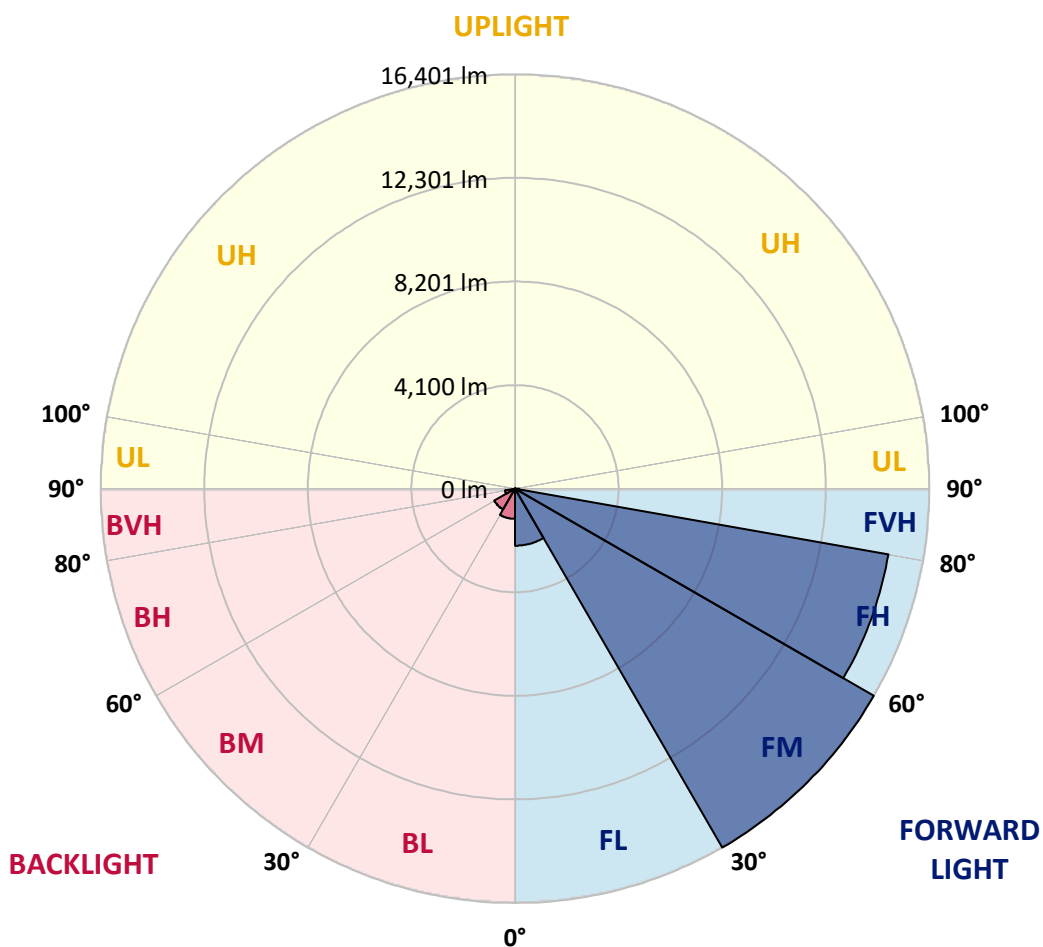
CATALOG NUMBER: IFLD-L-SA8D-730-U-T3R-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2259.0	6.2			
FM (30°-60°)	16401.0	45.1			
FH (60°-80°)	15011.6	41.3			G5
FVH (80°-90°)	158.6	0.4			G2/225
BL (0°-30°)	1198.1	3.3	B3/2500		
BM (30°-60°)	948.2	2.6	B1/1000		
BH (60°-80°)	405.3	1.1	B1/500		G1/500
BVH (80°-90°)	6.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type III Short





REPORT NUMBER: P482791

CATALOG NUMBER: IFLD-L-SA8D-730-U-T3R-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	5828.3	5828.3	5828.3	5828.3	5828.3	5828.3	5828.3	5828.3	5828.3	5828.3	5828.3
2.5°	5360.9	5311.4	5360.9	5432.4	5470.9	5503.9	5619.3	5718.3	5822.8	5894.2	5872.2
5°	4970.5	5064.0	5075.0	5097.0	5157.5	5355.4	5421.4	5591.8	5850.2	5872.2	5971.2
7.5°	4662.6	4635.1	4706.6	4849.5	5003.5	5119.0	5311.4	5608.3	5877.7	5971.2	6163.7
10°	4217.2	4272.2	4349.2	4492.2	4679.1	4965.0	5305.9	5635.8	6020.7	6053.7	6411.1
12.5°	3975.3	3920.3	4041.3	4189.7	4508.6	4772.6	5190.4	5586.3	6108.7	6290.1	6702.5
15°	3777.4	3804.9	3920.3	4019.3	4283.2	4618.6	5108.0	5707.3	6257.1	6383.6	7010.4
17.5°	3694.9	3678.4	3766.4	3865.3	4189.7	4569.1	5075.0	5712.8	6389.1	6554.0	7219.3
20°	3733.4	3766.4	3738.9	3832.4	4035.8	4420.7	5124.5	5817.3	6488.1	6713.5	7444.8
22.5°	4338.2	4294.2	4074.3	3898.3	3909.3	4360.2	5086.0	5883.2	6576.0	6757.5	7598.7
25°	5916.2	5679.8	5135.5	4459.2	4013.8	4195.2	5042.0	5861.2	6559.5	6785.0	7692.2
27.5°	7505.3	7301.8	6768.5	5718.3	4437.2	4129.3	4888.0	5877.7	6477.1	6686.0	7538.2
30°	9182.2	9292.2	8500.5	7252.3	5547.8	4492.2	4789.1	5789.8	6422.1	6598.0	7571.2
32.5°	10903.2	10859.2	10380.9	9028.3	7136.9	5294.9	4948.5	5877.7	6493.6	6664.0	7763.7
35°	12250.3	12096.4	11612.5	10391.9	8451.0	6504.6	5498.4	6295.6	6807.0	7010.4	8038.6
37.5°	12915.6	12981.6	12701.2	11640.0	9891.5	7626.2	6185.6	6295.6	6905.9	7142.4	8484.0
40°	13432.5	13630.4	13525.9	13185.0	11321.1	8890.8	6944.4	6686.0	7406.3	7851.6	9319.7
42.5°	14053.8	13960.3	14576.1	14262.7	13190.5	10485.4	8275.0	7615.2	8588.4	9017.3	10573.3
45°	14383.7	14741.1	15208.4	15609.8	14922.5	12475.8	10012.5	9259.2	10397.4	10941.7	12437.3
47.5°	15230.4	15373.4	16132.2	16638.0	16330.1	14752.1	12651.7	11662.0	12673.7	13531.4	14570.6
50°	15725.3	15532.8	16594.0	17363.8	17539.7	16638.0	15016.0	14246.2	15378.9	16473.1	16566.5
52.5°	15290.9	15840.8	16901.9	18282.0	18771.4	18320.5	17792.7	17457.3	18254.5	19266.2	18815.4
55°	13767.9	14141.8	16726.0	19288.2	20866.2	20657.3	21146.7	20926.7	21729.5	22801.7	21443.6
57.5°	12541.7	13009.1	15279.9	19810.6	22818.2	23434.0	24049.8	23912.3	24880.0	26117.2	23670.4
60°	11777.5	12046.9	14235.2	19678.6	23972.8	26304.1	27695.2	26727.5	28305.5	29251.2	25413.4
62.5°	10452.4	10622.8	12712.2	17930.1	24319.2	28333.0	30691.8	29377.7	30746.8	31901.4	26667.0
65°	8379.5	8841.3	10567.8	15312.9	22031.9	28706.9	32561.2	31016.2	32341.3	33100.1	27046.4
66°	7626.2	7961.6	9545.1	13927.3	20728.8	28085.6	32247.8	31357.1	32572.2	33265.0	26463.6
67.5°	6328.6	6620.0	7879.1	11953.4	18062.1	26716.5	32467.8	31126.2	32748.2	32324.8	25682.8
70°	4189.7	4376.7	5388.4	8082.6	12580.2	21855.9	30114.5	29322.7	28789.4	27200.3	20080.0
72.5°	1957.4	2226.8	3365.0	4899.0	7378.8	15290.9	24555.6	23494.5	20189.9	17649.7	12668.2
75°	885.2	1006.2	1847.4	2809.7	3310.0	7923.1	15840.8	14306.7	10051.0	8346.5	5547.8
77.5°	478.4	544.3	901.7	1336.1	1204.1	2776.7	7840.6	6521.0	3167.1	2320.3	1611.0
80°	368.4	434.4	753.3	764.3	445.4	720.3	2914.1	2017.9	791.8	599.3	384.9
82.5°	192.4	274.9	593.8	494.9	225.4	291.4	901.7	560.8	247.4	197.9	165.0
85°	77.0	121.0	335.4	329.9	132.0	99.0	252.9	170.4	99.0	82.5	77.0
87.5°	5.5	5.5	181.4	126.5	82.5	27.5	38.5	38.5	49.5	44.0	55.0
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: P482791  
 CATALOG NUMBER: IFLD-L-SA8D-730-U-T3R-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5828.3	5828.3	5828.3	5828.3	5828.3	5828.3	5828.3	5828.3	5828.3	5828.3	5828.3
2.5°	5971.2	6037.2	6048.2	6229.6	6268.1	6229.6	6328.6	6312.1	6356.1	6323.1	6262.6
5°	6108.7	6202.1	6383.6	6521.0	6521.0	6411.1	6323.1	6207.6	6037.2	5993.2	5960.2
7.5°	6345.1	6642.0	6807.0	6719.0	6543.0	6130.7	5558.8	5141.0	4789.1	4657.1	4596.6
10°	6763.0	6927.9	7120.4	6763.0	6031.7	5157.5	4195.2	3562.9	3068.1	2958.1	2875.6
12.5°	7032.4	7296.3	7406.3	6521.0	5086.0	3782.9	2738.2	2023.4	1677.0	1413.1	1369.1
15°	7384.3	7686.7	7461.3	5866.7	4008.3	2479.8	1418.6	885.2	720.3	676.3	676.3
17.5°	7626.2	7956.1	7235.8	5053.0	2842.6	1319.6	703.8	610.3	599.3	604.8	593.8
20°	8049.6	8247.5	6894.9	4107.3	1699.0	676.3	566.3	544.3	533.3	549.8	538.8
22.5°	8209.0	8390.5	6339.6	2974.6	764.3	450.9	423.4	406.9	417.9	412.4	406.9
25°	8198.0	8291.5	5426.9	1704.5	225.4	175.9	159.5	159.5	148.5	154.0	148.5
27.5°	8280.5	8049.6	4404.2	505.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	8324.5	7659.2	3134.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	8346.5	7455.8	2017.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	8516.9	7048.9	863.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	8632.4	6526.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	9110.8	6361.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	9732.1	6053.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	10595.3	5597.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	11739.0	5327.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	12591.2	4904.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	13674.4	4651.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	14961.0	4662.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	16132.2	4585.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	16731.5	3920.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	16605.0	3172.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	16165.2	2490.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	15862.7	2204.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	14944.5	1765.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	11892.9	1209.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	7565.7	742.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	3486.0	340.9	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1094.2	208.9	44.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	285.9	132.0	44.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	148.5	93.5	38.5	16.5	11.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	93.5	38.5	16.5	11.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	82.5	22.0	11.0	11.0	5.5	0.0	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)