

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: P482095

Luminaire Tested: **IFLD-S-SA3A-750-U-T2R-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P482095
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-750-U-T2R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R
distribution lens with House Side Shield
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

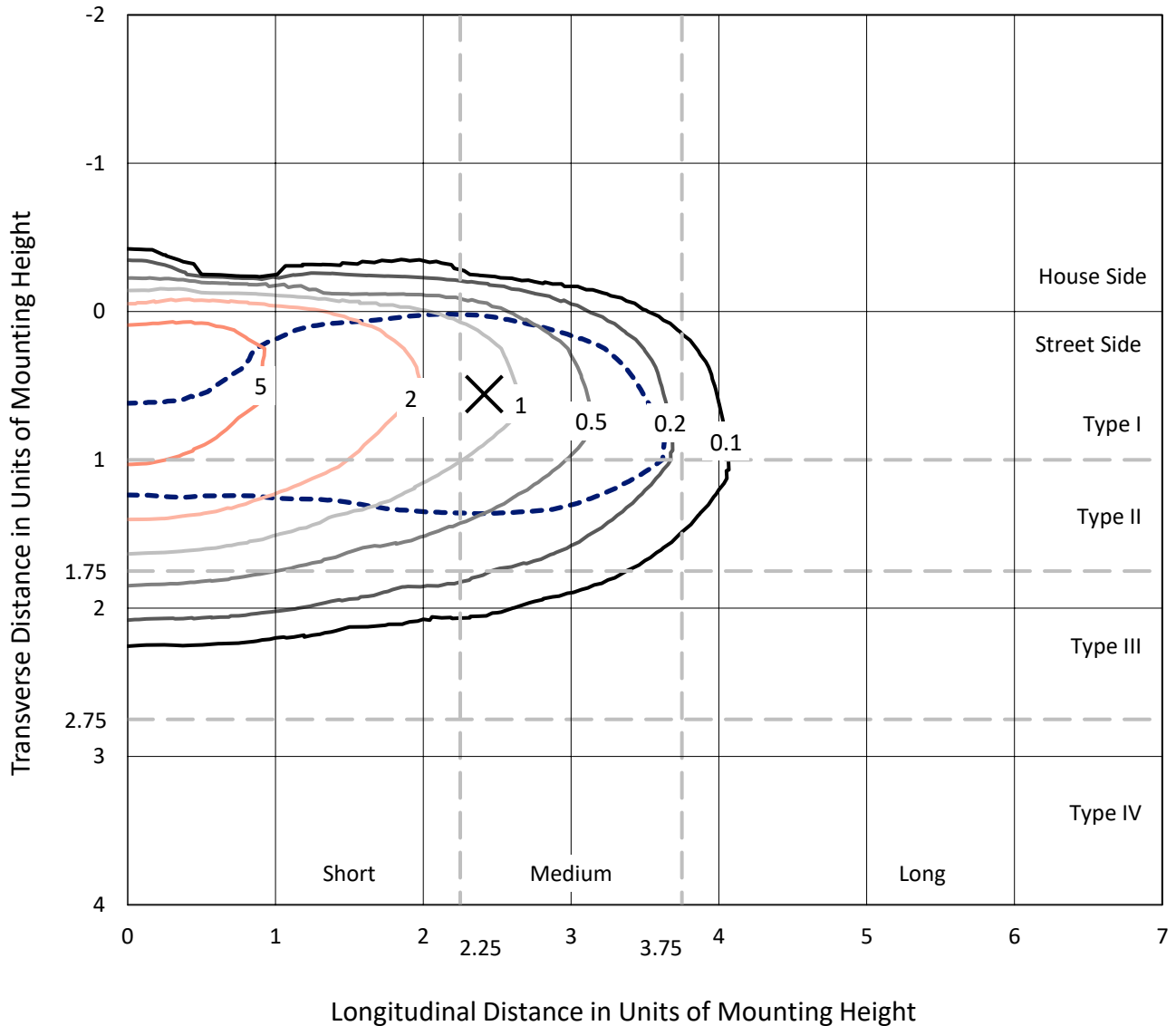
Lumens per Lamp: N/A
Luminaire Lumens: 11064.8 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 94.8
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: P482095
 CATALOG NUMBER: IFLD-S-SA3A-750-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

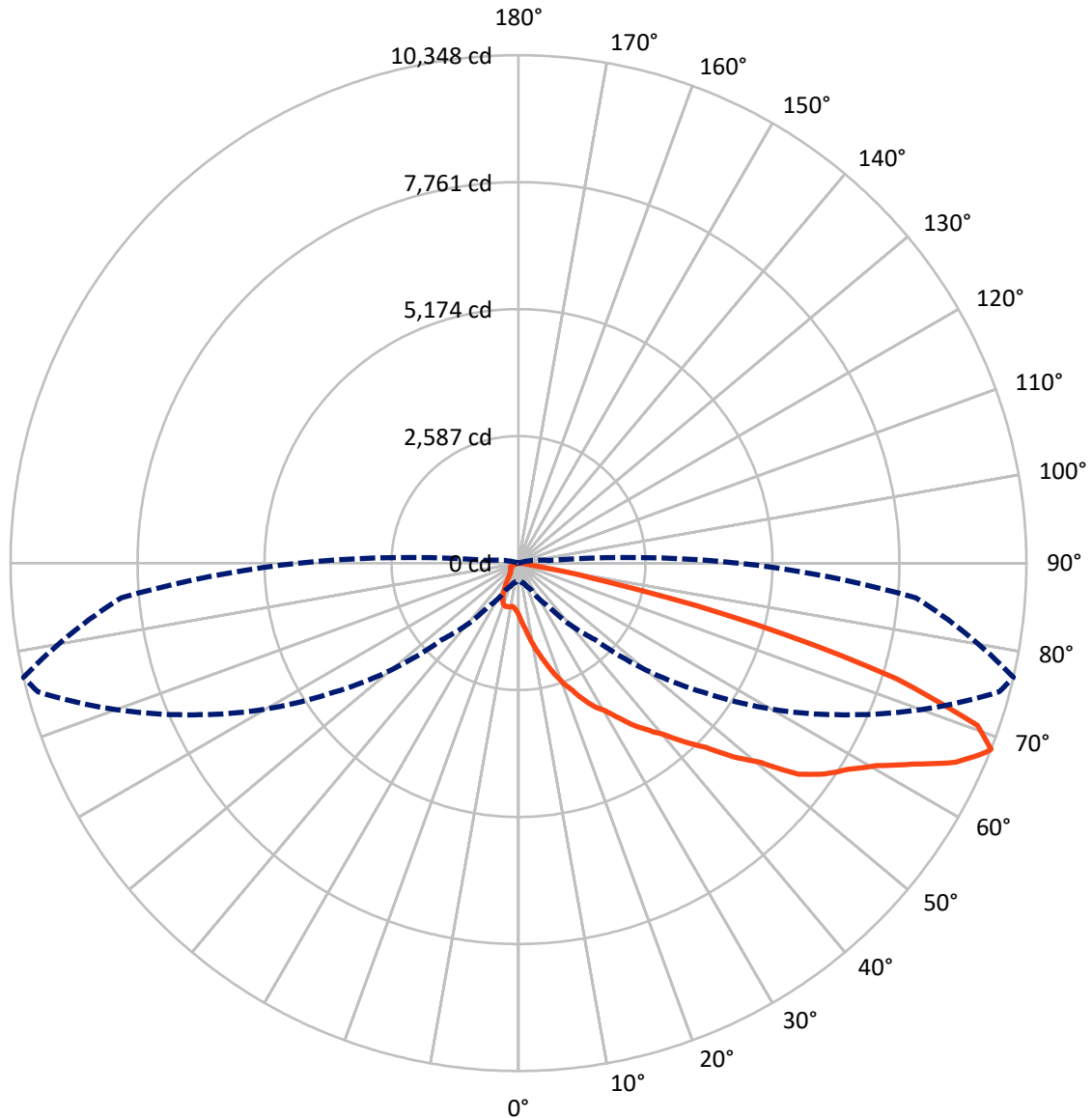
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.8 fc
 Type II - Medium - N/A

REPORT NUMBER: P482095
CATALOG NUMBER: IFLD-S-SA3A-750-U-T2R-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P482095
 CATALOG NUMBER: IFLD-S-SA3A-750-U-T2R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	501.8	0.0	501.8
	% Fixture	4.5	0.0	4.5
Street Side	Lumens	10563.0	0.0	10563.0
	% Fixture	95.5	0.0	95.5
Total	Lumens	11064.8	0.0	11064.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.8	1.1
10°-20°	456.5	4.1
20°-30°	884.7	8.0
30°-40°	1542.3	13.9
40°-50°	2258.9	20.4
50°-60°	2653.8	24.0
60°-70°	2240.9	20.3
70°-80°	868.6	7.9
80°-90°	35.3	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°	11064.8	100.0
0°-180°	11064.8	100.0

Coefficient of Utilization



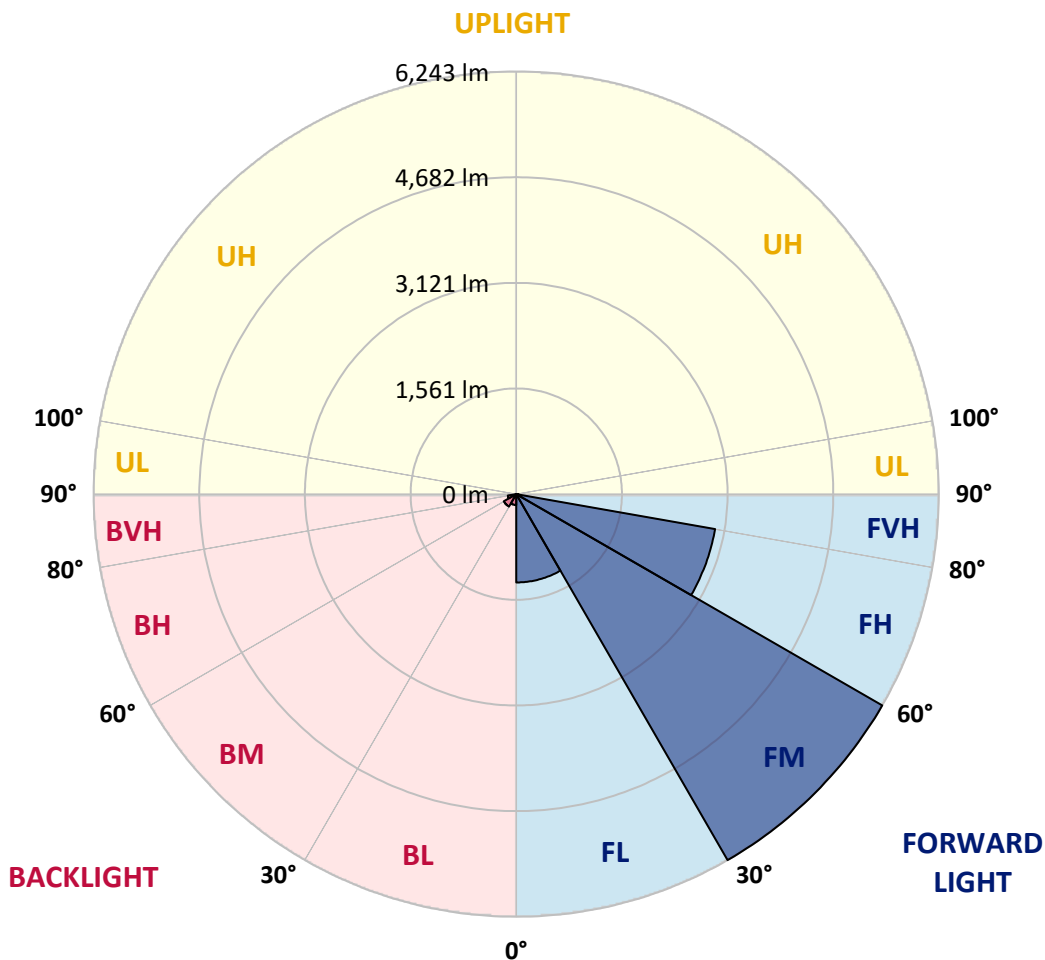
REPORT NUMBER: P482095
 CATALOG NUMBER: IFLD-S-SA3A-750-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1304.6	11.8			
FM (30°-60°)	6242.9	56.4			
FH (60°-80°)	2982.8	27.0			G2/5000
FVH (80°-90°)	32.6	0.3			G1/100
BL (0°-30°)	160.3	1.4	B1/500		
BM (30°-60°)	212.0	1.9	B0/220		
BH (60°-80°)	126.7	1.1	B1/500		G1/500
BVH (80°-90°)	2.7	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: P482095

CATALOG NUMBER: IFLD-S-SA3A-750-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1059.5	1059.5	1059.5	1059.5	1059.5	1059.5	1059.5	1059.5	1059.5	1059.5	1059.5
2.5°	1609.8	1579.3	1547.3	1538.1	1478.7	1411.6	1349.1	1288.1	1186.0	1187.5	1117.4
5°	2074.7	2036.6	2010.7	2004.6	1911.6	1795.8	1701.2	1529.0	1359.8	1321.7	1193.6
7.5°	2457.4	2445.2	2407.1	2375.0	2306.4	2164.7	2053.4	1806.4	1548.8	1506.1	1286.6
10°	2689.1	2707.4	2724.1	2683.0	2629.6	2527.5	2375.0	2108.3	1763.7	1710.4	1407.0
12.5°	2936.0	2905.5	2916.2	2949.7	2879.6	2856.8	2667.7	2419.2	2015.3	1913.1	1559.5
15°	3000.0	3012.2	3038.2	3135.7	3183.0	3117.4	2954.3	2670.8	2276.0	2134.2	1701.2
17.5°	3042.7	3036.6	3068.6	3215.0	3286.6	3349.1	3247.0	2951.3	2503.1	2376.6	1878.1
20°	3096.1	3062.5	3132.7	3225.7	3391.8	3522.9	3518.3	3233.3	2740.9	2606.7	2053.4
22.5°	3294.3	3268.3	3324.7	3333.9	3449.8	3632.7	3676.9	3463.5	2984.8	2820.2	2242.4
25°	3660.1	3707.4	3640.3	3582.4	3617.4	3737.9	3769.9	3667.7	3230.2	3079.3	2431.4
27.5°	4195.2	4189.1	4056.5	3981.8	3897.9	3882.7	3905.6	3858.3	3423.8	3315.6	2586.9
30°	4769.9	4719.6	4597.6	4417.8	4233.3	4119.0	4087.0	4038.2	3651.0	3494.0	2740.9
32.5°	5227.2	5254.7	5119.0	4884.2	4577.8	4423.9	4269.9	4216.5	3901.0	3762.3	2917.7
35°	5648.0	5611.4	5503.1	5305.0	5030.6	4782.1	4541.2	4426.9	4201.3	4064.1	3112.9
37.5°	5958.9	6004.7	5798.9	5609.8	5337.0	5131.2	4894.9	4644.9	4510.7	4327.8	3350.7
40°	6253.1	6181.5	6042.8	5869.0	5615.9	5458.9	5303.4	4913.2	4840.0	4603.7	3619.0
42.5°	6201.3	6205.9	6129.7	5989.4	5806.5	5716.6	5663.2	5239.4	5138.8	4987.9	3881.2
45°	5989.4	6007.7	6033.6	5965.0	5980.3	5890.3	6033.6	5614.4	5515.3	5355.3	4183.0
47.5°	5756.2	5786.7	5780.6	5905.6	6047.4	6077.8	6436.1	6030.6	5987.9	5899.5	4600.7
50°	5369.0	5381.2	5498.6	5725.7	5919.3	6237.9	6737.9	6484.9	6550.4	6376.6	5097.6
52.5°	4707.4	4751.6	5053.4	5378.1	5768.4	6318.7	6942.2	7160.2	7326.3	7148.0	5574.8
55°	3870.5	3931.5	4228.7	4837.0	5408.6	6196.7	7128.2	7516.9	7853.8	7584.0	5864.4
57.5°	3114.4	3120.5	3387.2	4015.3	4897.9	5957.4	7222.7	7690.7	8143.4	7927.0	6218.1
60°	2373.5	2349.1	2588.5	3132.7	4038.2	5369.0	6986.4	7779.1	8504.7	8379.7	6643.4
62.5°	1527.5	1489.4	1750.0	2280.5	3154.0	4388.8	6513.8	7780.6	9068.7	9021.5	7355.3
65°	756.1	730.2	954.3	1397.9	2183.0	3356.8	5840.0	7751.6	9757.8	9788.3	8048.9
67.5°	399.4	408.5	480.2	708.9	1259.2	2372.0	4824.8	7411.7	10109.9	10280.7	8216.6
68°	367.4	370.4	426.8	589.9	1093.0	2199.7	4583.9	7312.6	10137.4	10347.7	8123.6
70°	298.8	303.4	323.2	370.4	591.5	1431.4	3536.6	6471.1	9724.2	9916.3	7353.8
72.5°	237.8	251.5	263.7	283.5	347.6	751.5	2199.7	5042.8	8033.7	8055.0	5724.2
75°	181.4	192.1	216.5	233.2	271.3	413.1	1047.3	3074.7	5271.4	5012.3	3372.0
77.5°	140.2	149.4	160.1	182.9	227.1	279.0	320.1	1304.9	2239.4	1843.0	952.8
80°	83.8	89.9	125.0	143.3	198.2	189.0	126.5	362.8	454.3	358.2	173.8
82.5°	48.8	53.4	71.6	109.8	138.7	102.1	74.7	112.8	111.3	97.6	57.9
85°	1.5	3.0	39.6	65.5	48.8	27.4	45.7	47.3	39.6	36.6	25.9
87.5°	0.0	1.5	10.7	9.1	10.7	6.1	9.1	12.2	15.2	13.7	10.7
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: P482095

CATALOG NUMBER: IFLD-S-SA3A-750-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1059.5	1059.5	1059.5	1059.5	1059.5	1059.5	1059.5	1059.5	1059.5	1059.5	1059.5
2.5°	1070.1	1036.6	961.9	905.5	844.5	807.9	771.4	748.5	736.3	728.7	734.8
5°	1097.6	1027.5	907.0	800.3	730.2	682.9	635.7	611.3	588.4	576.2	583.9
7.5°	1158.6	1053.4	853.7	737.8	655.5	582.3	522.9	475.6	448.2	423.8	428.4
10°	1233.3	1068.6	855.2	701.2	582.3	466.5	382.6	323.2	289.6	268.3	266.8
12.5°	1309.5	1128.1	861.3	664.6	492.4	350.6	251.5	207.3	187.5	176.8	176.8
15°	1425.3	1181.4	846.1	597.6	373.5	228.7	172.3	157.0	149.4	140.2	141.8
17.5°	1525.9	1266.8	838.4	497.0	256.1	164.6	143.3	126.5	118.9	109.8	109.8
20°	1661.6	1320.1	797.3	384.2	176.8	137.2	115.9	100.6	88.4	80.8	82.3
22.5°	1785.1	1361.3	724.1	262.2	135.7	108.2	85.4	70.1	59.5	50.3	51.8
25°	1919.2	1402.5	617.4	161.6	96.0	67.1	45.7	33.5	22.9	16.8	16.8
27.5°	2015.3	1414.7	478.7	96.0	57.9	30.5	10.7	1.5	0.0	0.0	0.0
30°	2112.8	1419.2	330.8	51.8	22.9	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	2224.1	1417.7	207.3	27.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0
35°	2309.5	1391.8	99.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	2439.1	1353.7	30.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	2586.9	1285.1	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	2719.6	1215.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	2870.5	1128.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	3135.7	1091.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	3481.8	1062.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	3695.2	977.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	3806.5	888.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	3971.1	846.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	4215.0	849.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	4596.1	891.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	4806.5	849.1	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	4628.1	679.9	29.0	7.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0
68°	4474.2	625.0	29.0	7.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0
70°	3698.2	407.0	27.4	7.6	3.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	2693.6	225.6	22.9	6.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1567.1	112.8	16.8	6.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	408.5	56.4	13.7	7.6	4.6	1.5	0.0	0.0	0.0	0.0	0.0
80°	80.8	36.6	12.2	9.1	6.1	3.0	0.0	0.0	0.0	0.0	0.0
82.5°	38.1	25.9	12.2	9.1	7.6	4.6	1.5	0.0	0.0	0.0	0.0
85°	19.8	12.2	12.2	9.1	9.1	6.1	3.0	0.0	0.0	0.0	0.0
87.5°	9.1	4.6	4.6	4.6	4.6	3.0	1.5	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)