

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: P482892

Luminaire Tested: **IFLD-S-SA6C-750-U-T3R-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P482892
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-750-U-T3R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R distribution lens with House Side Shield
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

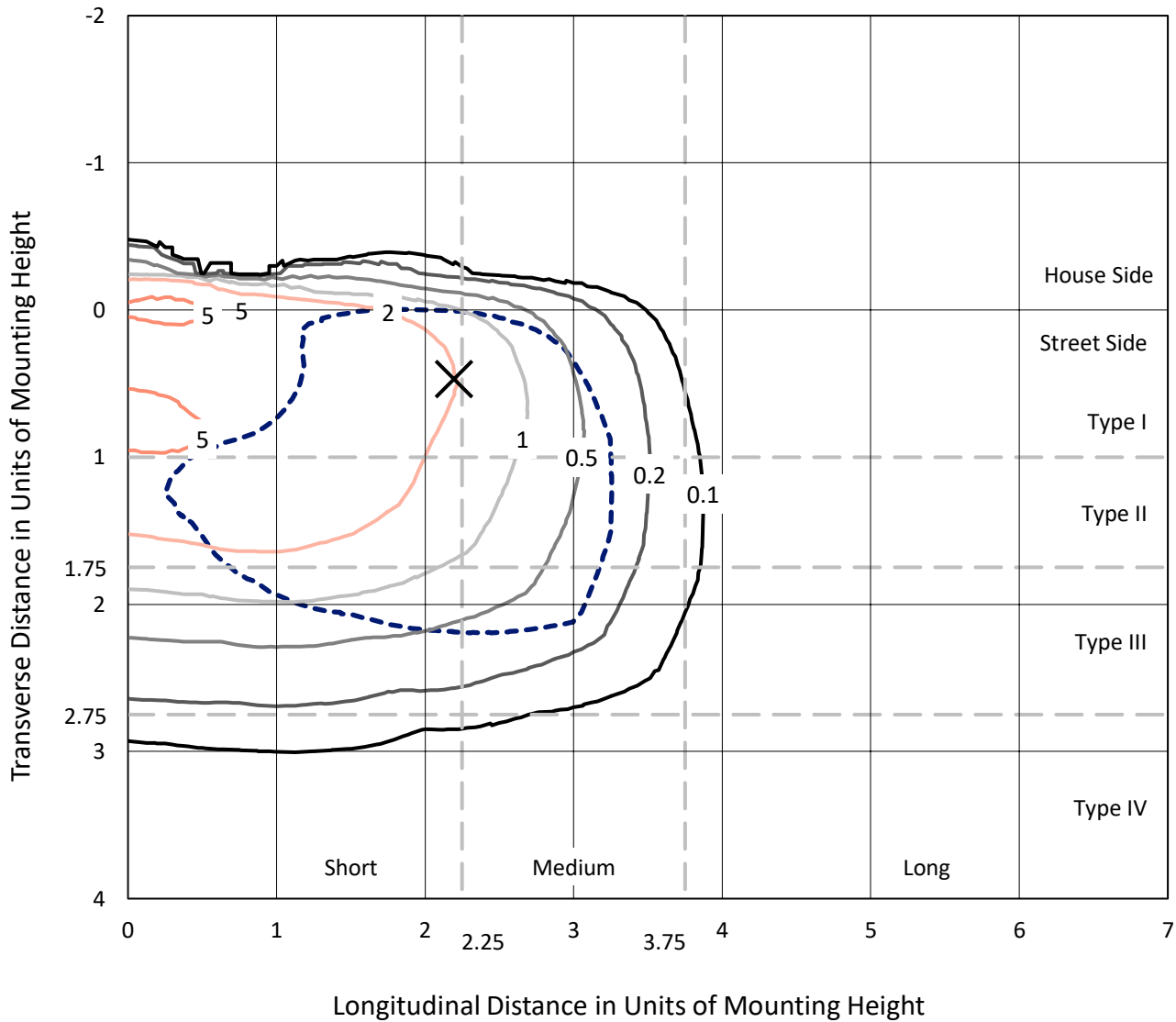
Lumens per Lamp: N/A
Luminaire Lumens: 30467.2 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 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

REPORT NUMBER: P482892
 CATALOG NUMBER: IFLD-S-SA6C-750-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

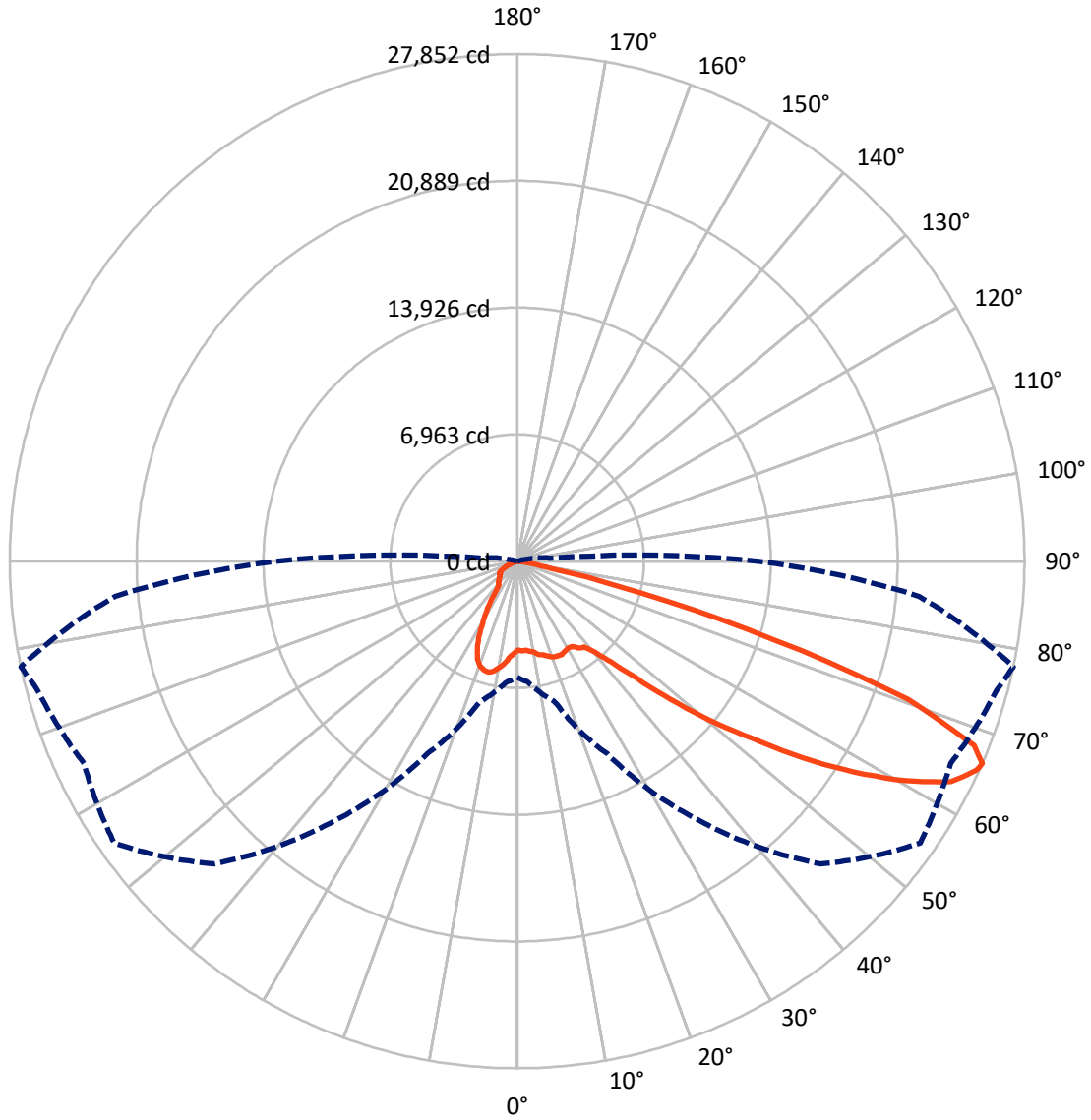
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.2 fc
 Type III - Short - N/A

REPORT NUMBER: P482892
CATALOG NUMBER: IFLD-S-SA6C-750-U-T3R-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P482892
 CATALOG NUMBER: IFLD-S-SA6C-750-U-T3R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2142.0	0.0	2142.0
	% Fixture	7.0	0.0	7.0
Street Side	Lumens	28325.2	0.0	28325.2
	% Fixture	93.0	0.0	93.0
Total	Lumens	30467.2	0.0	30467.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	446.4	1.5
10°-20°	1007.8	3.3
20°-30°	1440.4	4.7
30°-40°	2465.6	8.1
40°-50°	4450.1	14.6
50°-60°	7610.3	25.0
60°-70°	9367.0	30.7
70°-80°	3541.2	11.6
80°-90°	138.3	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°	30467.2	100.0
0°-180°	30467.2	100.0

Coefficient of Utilization

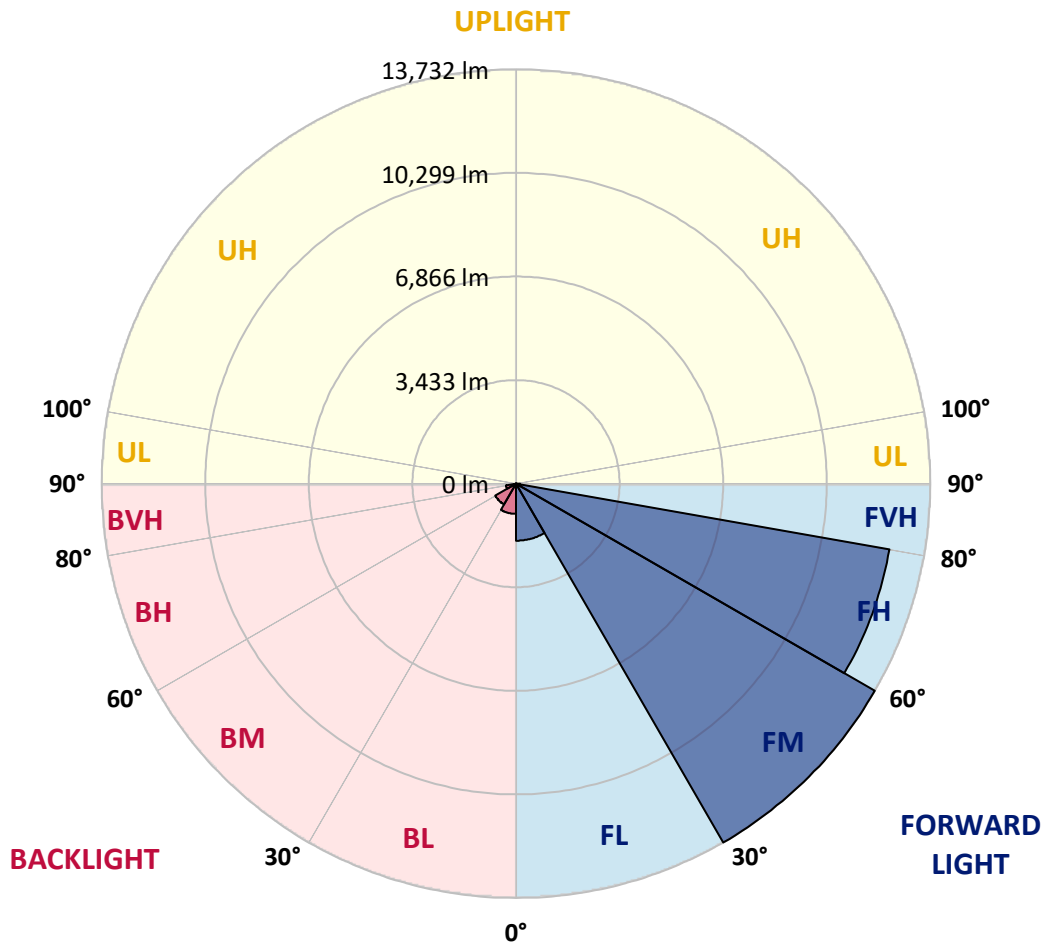


REPORT NUMBER: P482892
 CATALOG NUMBER: IFLD-S-SA6C-750-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1891.4	6.2			
FM (30°-60°)	13732.2	45.1			
FH (60°-80°)	12568.8	41.3			G5
FVH (80°-90°)	132.8	0.4			G2/225
BL (0°-30°)	1003.2	3.3	B3/2500		
BM (30°-60°)	793.9	2.6	B1/1000		
BH (60°-80°)	339.4	1.1	B1/500		G1/500
BVH (80°-90°)	5.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Short





REPORT NUMBER: P482892

CATALOG NUMBER: IFLD-S-SA6C-750-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	4879.9	4879.9	4879.9	4879.9	4879.9	4879.9	4879.9	4879.9	4879.9	4879.9	4879.9
2.5°	4488.6	4447.1	4488.6	4548.4	4580.6	4608.2	4704.9	4787.8	4875.3	4935.1	4916.7
5°	4161.7	4240.0	4249.2	4267.6	4318.2	4483.9	4539.2	4681.9	4898.3	4916.7	4999.6
7.5°	3903.9	3880.9	3940.7	4060.4	4189.3	4286.0	4447.1	4695.7	4921.3	4999.6	5160.7
10°	3531.0	3577.0	3641.5	3761.2	3917.7	4157.1	4442.5	4718.7	5041.0	5068.6	5367.8
12.5°	3328.4	3282.4	3383.7	3508.0	3775.0	3996.0	4345.8	4677.3	5114.6	5266.6	5611.8
15°	3162.7	3185.7	3282.4	3365.3	3586.2	3867.1	4276.8	4778.6	5238.9	5344.8	5869.6
17.5°	3093.6	3079.8	3153.5	3236.4	3508.0	3825.6	4249.2	4783.2	5349.4	5487.5	6044.6
20°	3125.9	3153.5	3130.5	3208.7	3379.1	3701.3	4290.6	4870.7	5432.3	5621.0	6233.3
22.5°	3632.3	3595.4	3411.3	3264.0	3273.2	3650.7	4258.4	4925.9	5506.0	5657.9	6362.2
25°	4953.5	4755.6	4299.8	3733.6	3360.7	3512.6	4221.5	4907.5	5492.1	5680.9	6440.5
27.5°	6284.0	6113.6	5667.1	4787.8	3715.1	3457.3	4092.6	4921.3	5423.1	5598.0	6311.6
30°	7688.1	7780.2	7117.2	6072.2	4645.1	3761.2	4009.8	4847.6	5377.1	5524.4	6339.2
32.5°	9129.0	9092.2	8691.7	7559.2	5975.5	4433.3	4143.3	4921.3	5436.9	5579.6	6500.3
35°	10256.9	10128.0	9722.9	8700.9	7075.8	5446.1	4603.6	5271.2	5699.3	5869.6	6730.5
37.5°	10814.0	10869.2	10634.4	9745.9	8282.0	6385.3	5179.1	5271.2	5782.2	5980.1	7103.4
40°	11246.7	11412.4	11325.0	11039.5	9478.9	7444.1	5814.4	5598.0	6201.1	6574.0	7803.2
42.5°	11766.9	11688.6	12204.3	11941.8	11044.1	8779.1	6928.5	6376.0	7190.9	7550.0	8852.8
45°	12043.1	12342.4	12733.7	13069.7	12494.3	10445.7	8383.2	7752.5	8705.5	9161.2	10413.4
47.5°	12752.1	12871.8	13507.1	13930.6	13672.8	12351.6	10593.0	9764.3	10611.4	11329.6	12199.7
50°	13166.4	13005.3	13893.8	14538.3	14685.6	13930.6	12572.5	11928.0	12876.4	13792.5	13870.8
52.5°	12802.7	13263.1	14151.6	15307.1	15716.8	15339.3	14897.4	14616.6	15284.1	16131.2	15753.7
55°	11527.5	11840.6	14004.3	16149.6	17470.8	17295.9	17705.6	17521.5	18193.6	19091.3	17954.2
57.5°	10500.9	10892.2	12793.5	16586.9	19105.1	19620.7	20136.3	20021.2	20831.5	21867.3	19818.7
60°	9861.0	10086.6	11918.8	16476.4	20071.9	22023.8	23188.5	22378.3	23699.5	24491.4	21278.0
62.5°	8751.5	8894.2	10643.6	15012.5	20361.9	23722.6	25697.5	24597.3	25743.6	26710.3	22327.7
65°	7016.0	7402.7	8848.2	12821.1	18446.8	24035.6	27262.8	25969.1	27078.6	27713.9	22645.3
66°	6385.3	6666.1	7991.9	11661.0	17355.7	23515.4	27000.4	26254.6	27272.0	27852.0	22157.3
67.5°	5298.8	5542.8	6597.0	10008.3	15123.0	22369.1	27184.5	26061.2	27419.3	27064.8	21503.6
70°	3508.0	3664.5	4511.6	6767.4	10533.1	18299.5	25214.1	24551.2	24104.7	22774.2	16812.5
72.5°	1638.9	1864.5	2817.4	4101.8	6178.1	12802.7	20559.9	19671.4	16904.6	14777.7	10606.8
75°	741.2	842.5	1546.8	2352.5	2771.4	6633.8	13263.1	11978.7	8415.5	6988.3	4645.1
77.5°	400.5	455.8	755.0	1118.7	1008.2	2324.8	6564.8	5459.9	2651.7	1942.7	1348.9
80°	308.4	363.7	630.7	639.9	372.9	603.1	2439.9	1689.5	662.9	501.8	322.3
82.5°	161.1	230.2	497.2	414.3	188.7	244.0	755.0	469.6	207.2	165.7	138.1
85°	64.5	101.3	280.8	276.2	110.5	82.9	211.8	142.7	82.9	69.1	64.5
87.5°	4.6	4.6	151.9	105.9	69.1	23.0	32.2	32.2	41.4	36.8	46.0
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: P482892
 CATALOG NUMBER: IFLD-S-SA6C-750-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4879.9	4879.9	4879.9	4879.9	4879.9	4879.9	4879.9	4879.9	4879.9	4879.9	4879.9
2.5°	4999.6	5054.8	5064.0	5215.9	5248.2	5215.9	5298.8	5285.0	5321.8	5294.2	5243.5
5°	5114.6	5192.9	5344.8	5459.9	5459.9	5367.8	5294.2	5197.5	5054.8	5018.0	4990.3
7.5°	5312.6	5561.2	5699.3	5625.7	5478.3	5133.1	4654.3	4304.4	4009.8	3899.3	3848.6
10°	5662.5	5800.6	5961.7	5662.5	5050.2	4318.2	3512.6	2983.2	2568.8	2476.8	2407.7
12.5°	5888.1	6109.0	6201.1	5459.9	4258.4	3167.3	2292.6	1694.1	1404.1	1183.1	1146.3
15°	6182.7	6435.9	6247.1	4912.1	3356.1	2076.2	1187.7	741.2	603.1	566.2	566.2
17.5°	6385.3	6661.5	6058.4	4230.7	2380.1	1104.9	589.3	511.0	501.8	506.4	497.2
20°	6739.7	6905.5	5773.0	3438.9	1422.5	566.2	474.2	455.8	446.6	460.4	451.2
22.5°	6873.2	7025.2	5308.0	2490.6	639.9	377.5	354.5	340.7	349.9	345.3	340.7
25°	6864.0	6942.3	4543.8	1427.1	188.7	147.3	133.5	133.5	124.3	128.9	124.3
27.5°	6933.1	6739.7	3687.5	423.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	6969.9	6412.9	2624.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	6988.3	6242.5	1689.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	7131.0	5901.9	722.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	7227.7	5464.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	7628.2	5326.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	8148.4	5068.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	8871.2	4686.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	9828.8	4460.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	10542.3	4106.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	11449.3	3894.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	12526.5	3903.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	13507.1	3839.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	14008.9	3282.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	13903.0	2656.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	13534.7	2085.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	13281.5	1846.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	12512.7	1477.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	9957.7	1012.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	6334.6	621.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	2918.7	285.4	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	916.1	174.9	36.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	239.4	110.5	36.8	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	124.3	78.3	32.2	13.8	9.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	78.3	32.2	13.8	9.2	9.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	69.1	18.4	9.2	9.2	4.6	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)