

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: P482111

Luminaire Tested: **IFLD-S-SA6B-750-U-T2R-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P482111
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-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

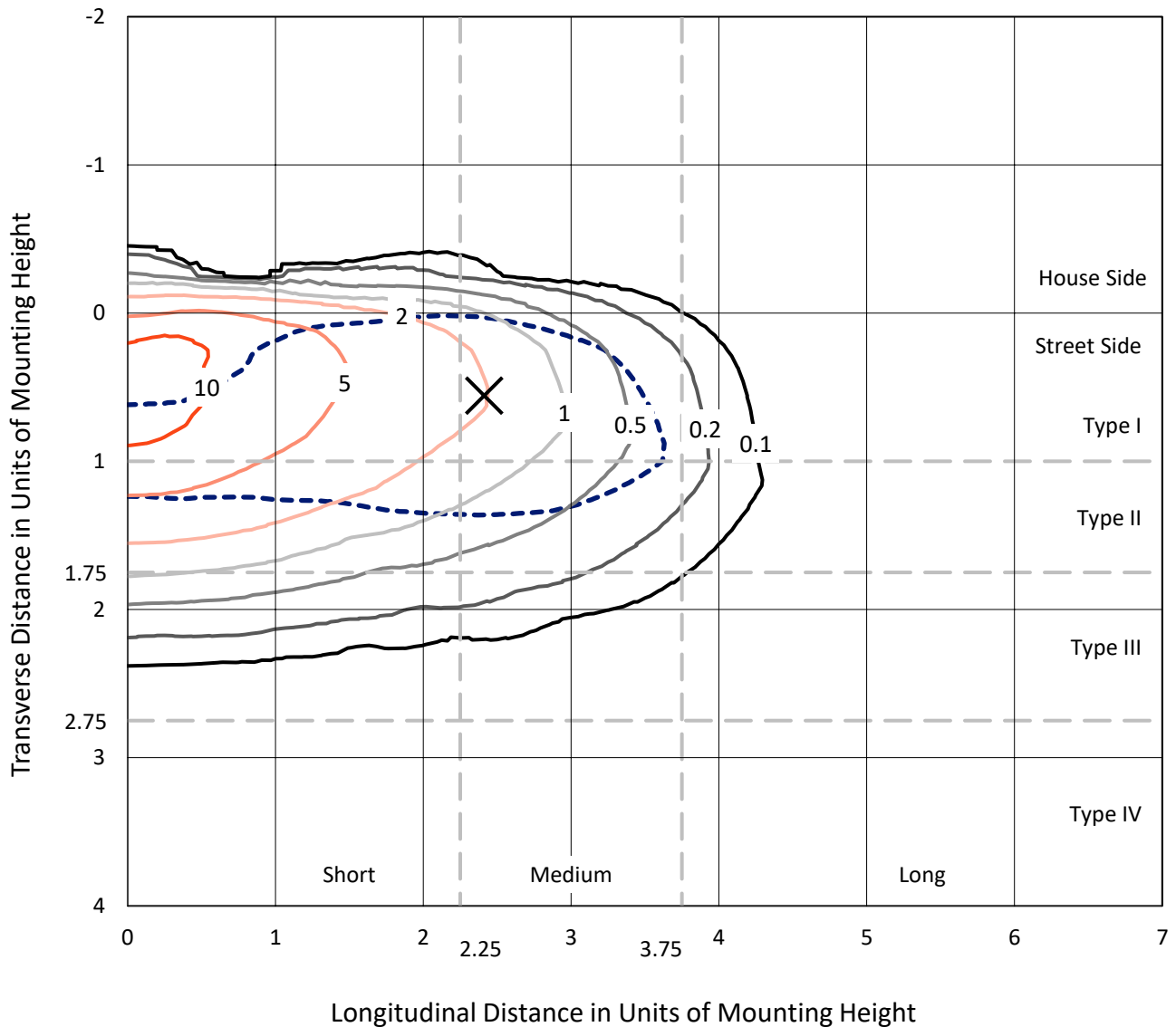
Lumens per Lamp: N/A
Luminaire Lumens: 26844.3 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G3

Input Watts (W): 244.9
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: P482111
 CATALOG NUMBER: IFLD-S-SA6B-750-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

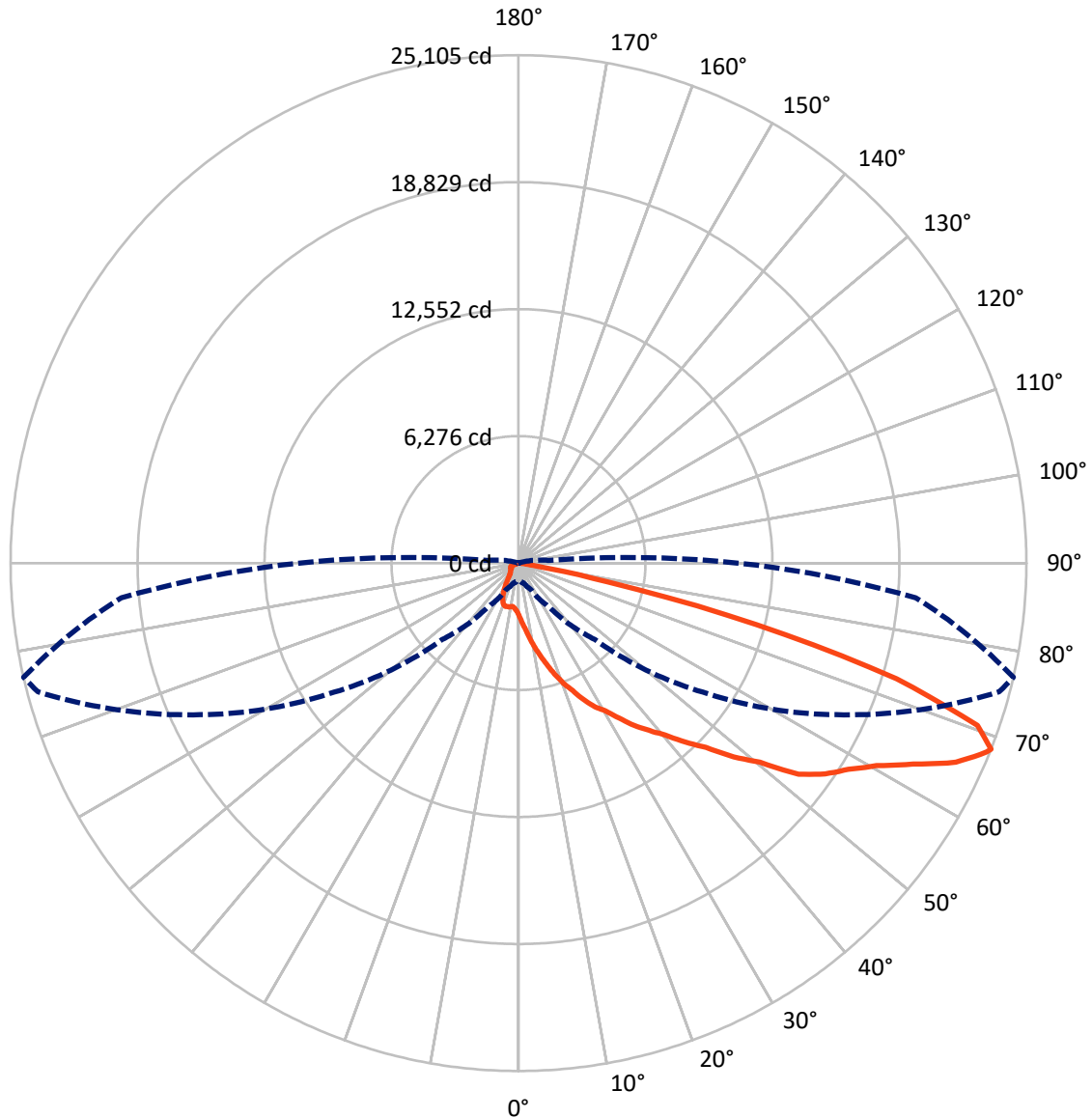
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.2 fc
 Type II - Medium - N/A

REPORT NUMBER: P482111
CATALOG NUMBER: IFLD-S-SA6B-750-U-T2R-HSS

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
House Side	Lumens	1217.4	0.0	1217.4
	% Fixture	4.5	0.0	4.5
Street Side	Lumens	25627.0	0.0	25627.0
	% Fixture	95.5	0.0	95.5
Total	Lumens	26844.3	0.0	26844.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.3	1.1
10°-20°	1107.5	4.1
20°-30°	2146.3	8.0
30°-40°	3741.8	13.9
40°-50°	5480.2	20.4
50°-60°	6438.4	24.0
60°-70°	5436.7	20.3
70°-80°	2107.4	7.9
80°-90°	85.7	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°	26844.3	100.0
0°-180°	26844.3	100.0

Coefficient of Utilization



REPORT NUMBER: P482111

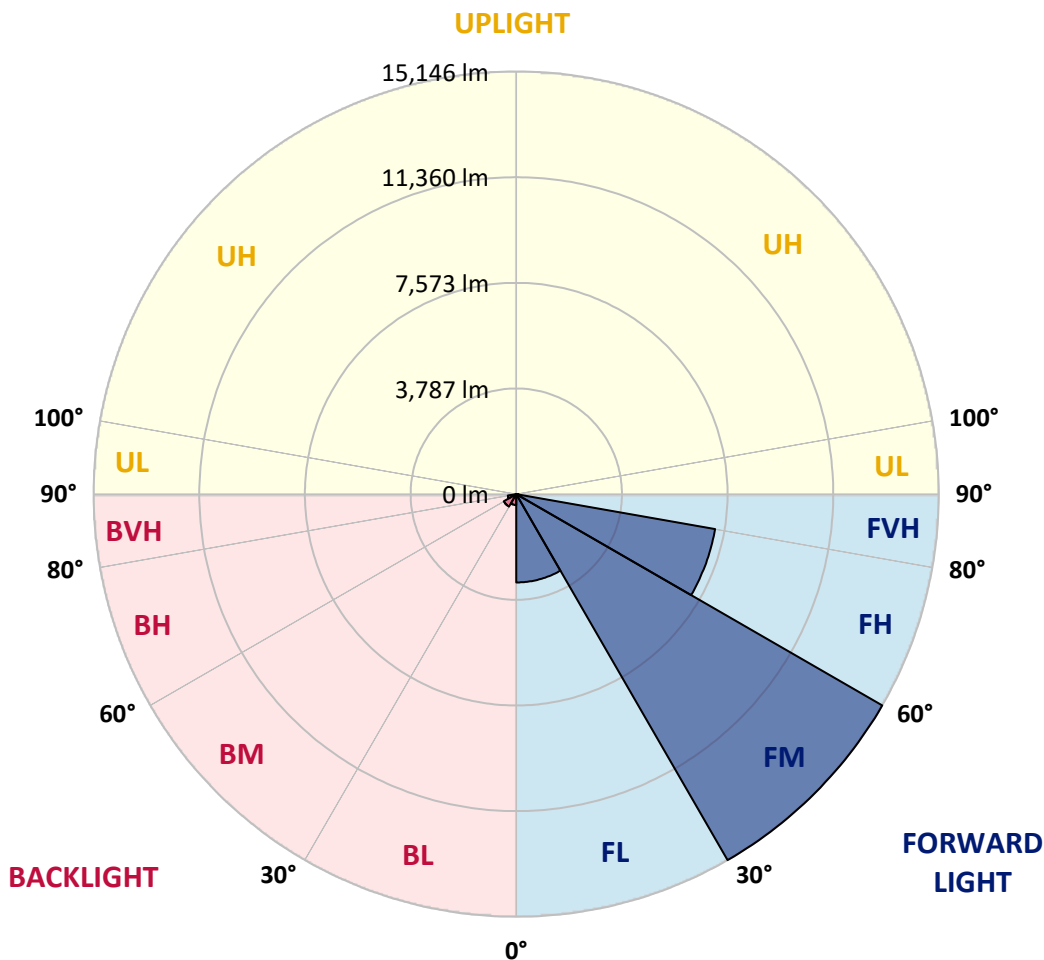
CATALOG NUMBER: IFLD-S-SA6B-750-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3165.2	11.8			
FM (30°-60°)	15146.0	56.4			
FH (60°-80°)	7236.7	27.0			G3/7500
FVH (80°-90°)	79.1	0.3			G1/100
BL (0°-30°)	389.0	1.4	B1/500		
BM (30°-60°)	514.4	1.9	B1/1000		
BH (60°-80°)	307.4	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: B1-U0-G3

Type II Medium





REPORT NUMBER: P482111

CATALOG NUMBER: IFLD-S-SA6B-750-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2570.4	2570.4	2570.4	2570.4	2570.4	2570.4	2570.4	2570.4	2570.4	2570.4	2570.4
2.5°	3905.5	3831.5	3753.9	3731.7	3587.4	3424.7	3273.1	3125.1	2877.4	2881.0	2710.9
5°	5033.5	4941.1	4878.2	4863.4	4637.8	4356.7	4127.4	3709.5	3299.0	3206.5	2895.8
7.5°	5961.8	5932.2	5839.8	5762.1	5595.7	5251.7	4981.7	4382.6	3757.6	3654.0	3121.4
10°	6524.0	6568.3	6609.0	6509.2	6379.7	6131.9	5762.1	5114.9	4279.0	4149.6	3413.6
12.5°	7123.1	7049.1	7075.0	7156.4	6986.3	6930.8	6472.2	5869.4	4889.3	4641.5	3783.5
15°	7278.4	7308.0	7370.9	7607.6	7722.2	7563.2	7167.5	6479.6	5521.7	5177.8	4127.4
17.5°	7382.0	7367.2	7444.9	7799.9	7973.7	8125.4	7877.6	7160.1	6072.8	5765.8	4556.4
20°	7511.4	7430.1	7600.2	7825.8	8228.9	8547.0	8535.9	7844.3	6649.7	6324.3	4981.7
22.5°	7992.2	7929.4	8066.2	8088.4	8369.5	8813.3	8920.5	8402.8	7241.5	6842.0	5440.3
25°	8879.8	8994.5	8831.8	8691.2	8776.3	9068.5	9146.1	8898.3	7836.9	7470.8	5898.9
27.5°	10178.0	10163.2	9841.4	9660.2	9456.8	9419.8	9475.3	9360.6	8306.6	8044.0	6276.2
30°	11572.3	11450.2	11154.4	10717.9	10270.4	9993.1	9915.4	9797.0	8857.7	8476.7	6649.7
32.5°	12681.8	12748.4	12419.2	11849.7	11106.3	10732.7	10359.2	10229.8	9464.2	9127.6	7078.7
35°	13702.6	13613.8	13351.2	12870.4	12204.7	11601.9	11017.5	10740.1	10192.8	9859.9	7552.1
37.5°	14457.0	14568.0	14068.7	13610.1	12948.1	12448.8	11875.5	11269.0	10943.6	10499.7	8129.1
40°	15170.8	14997.0	14660.4	14238.8	13624.9	13244.0	12866.7	11919.9	11742.4	11169.2	8780.0
42.5°	15045.1	15056.2	14871.2	14531.0	14087.2	13869.0	13739.5	12711.4	12467.3	12101.1	9416.1
45°	14531.0	14575.4	14638.2	14471.8	14508.8	14290.6	14638.2	13621.2	13380.8	12992.5	10148.4
47.5°	13965.1	14039.1	14024.3	14327.6	14671.5	14745.5	15614.6	14630.9	14527.3	14312.8	11161.8
50°	13025.7	13055.3	13340.1	13891.2	14360.9	15133.8	16346.9	15733.0	15892.0	15470.4	12367.4
52.5°	11420.6	11527.9	12260.2	13047.9	13994.7	15329.8	16842.5	17371.4	17774.5	17341.8	13525.0
55°	9390.2	9538.2	10259.3	11735.0	13121.9	15034.0	17293.7	18236.8	19054.1	18399.5	14227.7
57.5°	7555.8	7570.6	8217.8	9741.6	11882.9	14453.3	17523.0	18658.4	19756.8	19231.7	15085.8
60°	5758.4	5699.2	6279.9	7600.2	9797.0	13025.7	16949.7	18872.9	20633.3	20330.1	16117.6
62.5°	3705.8	3613.3	4245.8	5532.8	7652.0	10647.7	15803.2	18876.6	22001.8	21887.1	17844.8
65°	1834.4	1771.5	2315.2	3391.4	5296.1	8143.9	14168.6	18806.3	23673.4	23747.4	19527.5
67.5°	969.0	991.2	1165.0	1719.8	3054.9	5754.7	11705.4	17981.6	24527.8	24942.0	19934.4
68°	891.3	898.7	1035.6	1431.3	2651.7	5336.8	11121.1	17741.2	24594.3	25104.7	19708.7
70°	724.9	736.0	784.1	898.7	1435.0	3472.8	8580.3	15699.7	23592.1	24058.1	17841.1
72.5°	576.9	610.2	639.8	687.9	843.2	1823.3	5336.8	12234.3	19490.5	19542.3	13887.5
75°	440.1	466.0	525.2	565.9	658.3	1002.3	2540.8	7459.7	12789.1	12160.3	8180.9
77.5°	340.3	362.4	388.3	443.8	551.1	676.8	776.7	3165.8	5432.9	4471.4	2311.5
80°	203.4	218.2	303.3	347.6	480.8	458.6	307.0	880.2	1102.1	869.1	421.6
82.5°	118.3	129.4	173.8	266.3	336.6	247.8	181.2	273.7	270.0	236.7	140.5
85°	3.7	7.4	96.2	159.0	118.3	66.6	111.0	114.7	96.2	88.8	62.9
87.5°	0.0	3.7	25.9	22.2	25.9	14.8	22.2	29.6	37.0	33.3	25.9
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°	2570.4	2570.4	2570.4	2570.4	2570.4	2570.4	2570.4	2570.4	2570.4	2570.4	2570.4
2.5°	2596.3	2514.9	2333.7	2196.8	2048.9	1960.1	1871.4	1815.9	1786.3	1767.8	1782.6
5°	2662.8	2492.7	2200.5	1941.7	1771.5	1656.9	1542.2	1483.1	1427.6	1398.0	1416.5
7.5°	2810.8	2555.6	2071.1	1790.0	1590.3	1412.8	1268.5	1153.9	1087.3	1028.2	1039.2
10°	2992.0	2592.6	2074.8	1701.3	1412.8	1131.7	928.3	784.1	702.7	650.9	647.2
12.5°	3176.9	2736.8	2089.6	1612.5	1194.6	850.6	610.2	503.0	454.9	429.0	429.0
15°	3458.0	2866.3	2052.6	1449.8	906.1	554.8	417.9	380.9	362.4	340.3	344.0
17.5°	3702.1	3073.4	2034.1	1205.7	621.3	399.4	347.6	307.0	288.5	266.3	266.3
20°	4031.3	3202.8	1934.3	932.0	429.0	332.9	281.1	244.1	214.5	196.0	199.7
22.5°	4330.8	3302.7	1756.7	636.1	329.2	262.6	207.1	170.1	144.2	122.0	125.7
25°	4656.3	3402.5	1497.9	392.0	233.0	162.7	111.0	81.4	55.5	40.7	40.7
27.5°	4889.3	3432.1	1161.3	233.0	140.5	74.0	25.9	3.7	0.0	0.0	0.0
30°	5126.0	3443.2	802.6	125.7	55.5	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	5396.0	3439.5	503.0	66.6	3.7	0.0	0.0	0.0	0.0	0.0	0.0
35°	5603.1	3376.6	240.4	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	5917.4	3284.2	74.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	6276.2	3117.7	14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	6597.9	2947.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	6964.1	2736.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	7607.6	2648.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	8447.1	2577.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	8964.9	2370.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	9234.9	2156.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	9634.3	2052.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	10226.1	2060.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	11150.7	2163.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	11661.0	2060.0	14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	11228.3	1649.5	70.3	18.5	3.7	0.0	0.0	0.0	0.0	0.0	0.0
68°	10854.8	1516.3	70.3	18.5	3.7	0.0	0.0	0.0	0.0	0.0	0.0
70°	8972.3	987.5	66.6	18.5	7.4	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	6535.1	547.4	55.5	14.8	7.4	0.0	0.0	0.0	0.0	0.0	0.0
75°	3802.0	273.7	40.7	14.8	7.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	991.2	136.8	33.3	18.5	11.1	3.7	0.0	0.0	0.0	0.0	0.0
80°	196.0	88.8	29.6	22.2	14.8	7.4	0.0	0.0	0.0	0.0	0.0
82.5°	92.5	62.9	29.6	22.2	18.5	11.1	3.7	0.0	0.0	0.0	0.0
85°	48.1	29.6	29.6	22.2	22.2	14.8	7.4	0.0	0.0	0.0	0.0
87.5°	22.2	11.1	11.1	11.1	11.1	7.4	3.7	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)