

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: P481682

Luminaire Tested: **IFLD-S-SA6B-740-U-T2-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P481682
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-740-U-T2-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens with House Side Shield
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

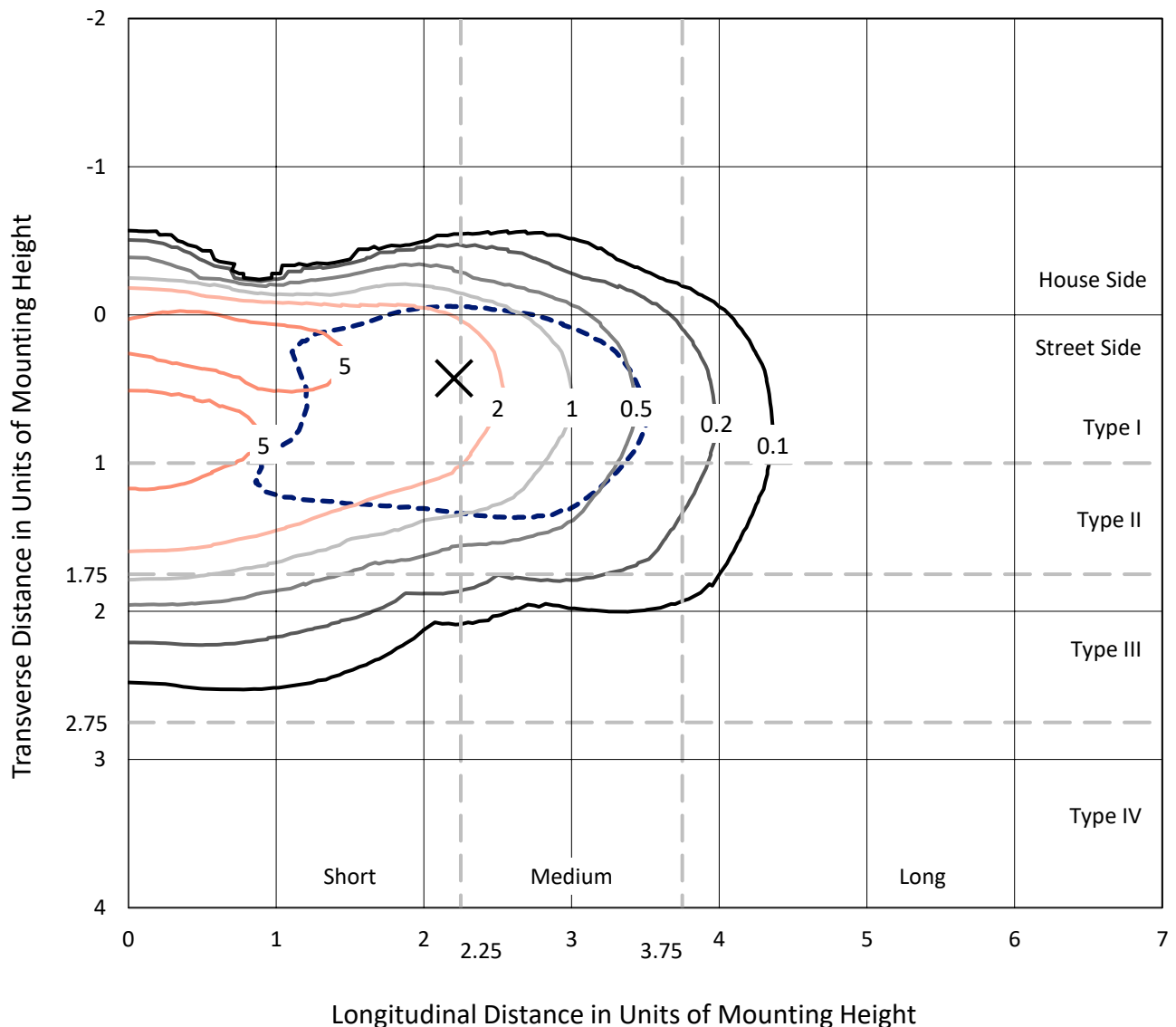
Lumens per Lamp: N/A
Luminaire Lumens: 24038 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G4

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: P481682
 CATALOG NUMBER: IFLD-S-SA6B-740-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

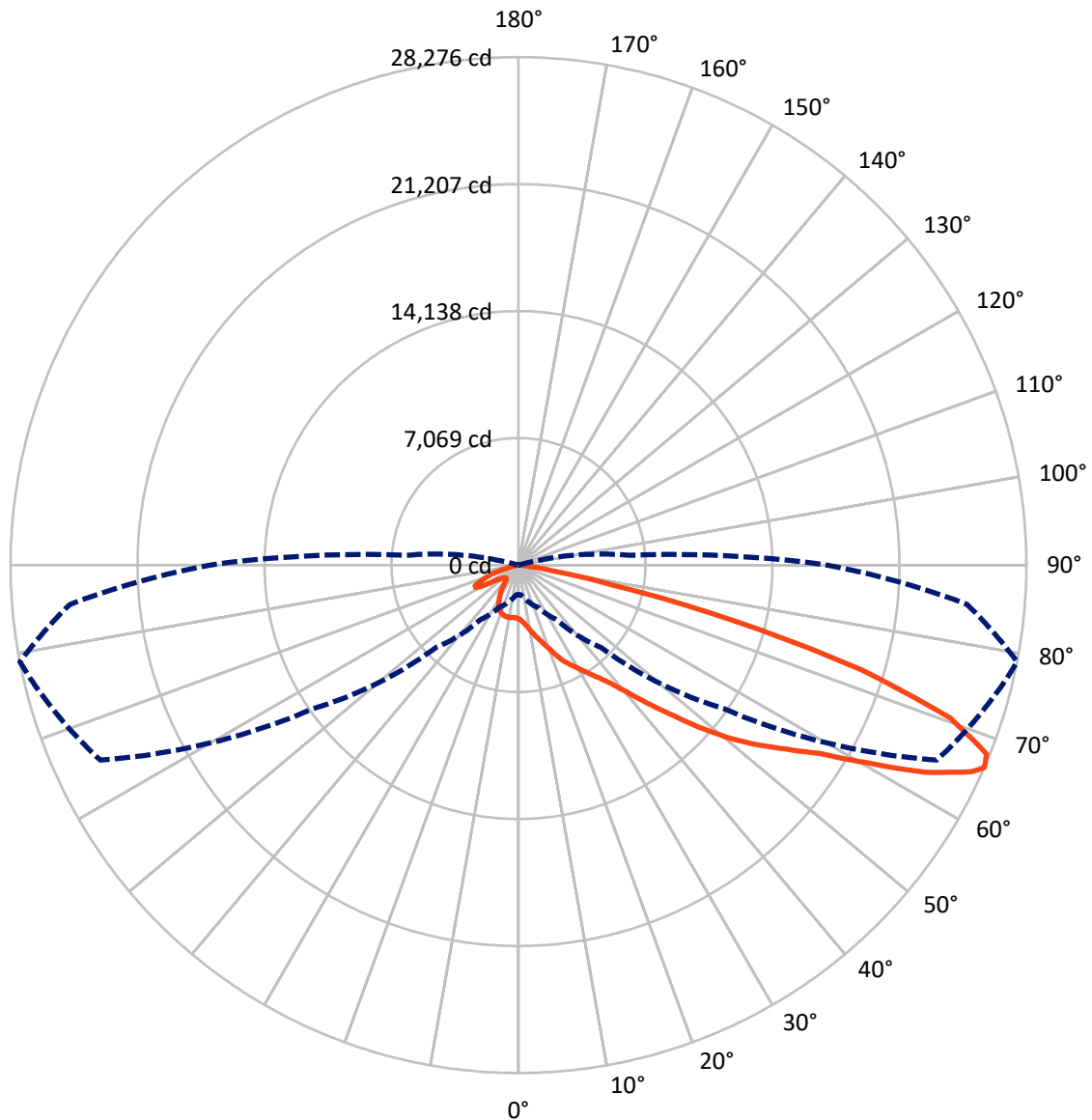
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type II - Short - N/A

REPORT NUMBER: P481682
CATALOG NUMBER: IFLD-S-SA6B-740-U-T2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1804.9	0.0	1804.9
	% Fixture	7.5	0.0	7.5
Street Side	Lumens	22233.1	0.0	22233.1
	% Fixture	92.5	0.0	92.5
Total	Lumens	24038.0	0.0	24038.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.8	1.2
10°-20°	778.4	3.2
20°-30°	1293.1	5.4
30°-40°	2221.0	9.2
40°-50°	4023.7	16.7
50°-60°	6360.3	26.5
60°-70°	6472.1	26.9
70°-80°	2468.1	10.3
80°-90°	138.4	0.6
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°	24038.0	100.0
0°-180°	24038.0	100.0

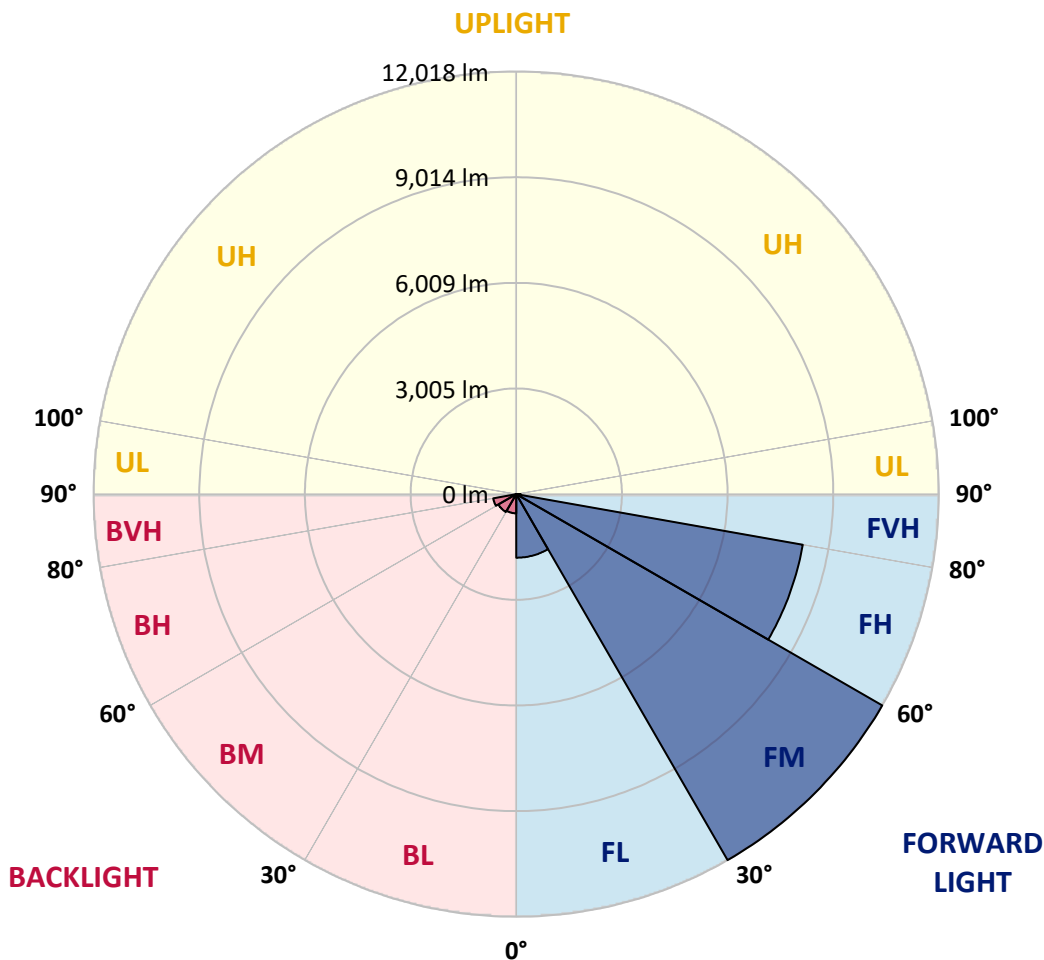


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1808.5	7.5			
FM (30°-60°)	12018.4	50.0			
FH (60°-80°)	8274.9	34.4			G4/12000
FVH (80°-90°)	131.3	0.5			G2/225
BL (0°-30°)	545.9	2.3	B2/1000		
BM (30°-60°)	586.6	2.4	B1/1000		
BH (60°-80°)	665.4	2.8	B2/1000		G2/1000
BVH (80°-90°)	7.1	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 Short





REPORT NUMBER: P481682

CATALOG NUMBER: IFLD-S-SA6B-740-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	2990.6	2990.6	2990.6	2990.6	2990.6	2990.6	2990.6	2990.6	2990.6	2990.6	2990.6
2.5°	3387.1	3383.4	3368.6	3342.7	3309.3	3298.2	3250.0	3183.3	3146.3	3105.5	3087.0
5°	3620.6	3602.1	3646.5	3628.0	3635.4	3546.5	3487.2	3439.0	3298.2	3242.6	3153.7
7.5°	3672.5	3691.0	3687.3	3717.0	3746.6	3780.0	3739.2	3668.8	3528.0	3446.4	3350.1
10°	3672.5	3665.1	3694.7	3735.5	3820.7	3894.8	4006.0	3913.4	3805.9	3709.5	3535.4
12.5°	3605.8	3594.7	3624.3	3709.5	3861.5	4013.4	4135.7	4224.7	4072.7	3994.9	3768.8
15°	3402.0	3390.8	3513.1	3665.1	3865.2	4113.5	4369.2	4513.7	4410.0	4287.7	4035.7
17.5°	3150.0	3164.8	3294.5	3546.5	3865.2	4161.7	4487.8	4802.8	4787.9	4632.3	4369.2
20°	3064.7	3075.8	3205.6	3387.1	3750.3	4195.0	4673.1	5117.8	5206.7	5021.4	4676.8
22.5°	3227.8	3216.7	3227.8	3339.0	3672.5	4165.4	4795.4	5477.2	5636.6	5492.1	5080.7
25°	3783.7	3776.3	3683.6	3513.1	3628.0	4098.7	4858.4	5714.4	6081.3	5947.9	5406.8
27.5°	4598.9	4569.3	4424.8	4069.0	3835.5	4139.4	4962.1	5944.2	6470.4	6318.5	5699.6
30°	5473.5	5403.1	5214.1	4769.4	4372.9	4291.4	5021.4	6114.6	6904.0	6711.3	5955.3
32.5°	6077.6	6170.2	6110.9	5658.8	5051.1	4643.4	5117.8	6329.6	7304.2	7178.2	6392.6
35°	7011.5	7118.9	6870.6	6470.4	5858.9	5203.0	5321.6	6503.8	7919.4	7708.1	6800.2
37.5°	8189.9	8271.4	8093.6	7333.9	6689.0	5892.3	5740.3	6866.9	8449.3	8349.3	7322.7
40°	8782.8	9175.7	8923.7	8238.1	7545.1	6855.8	6433.3	7293.1	9372.1	9290.5	8045.4
42.5°	9601.8	9798.2	9668.5	9160.8	8438.2	7886.0	7289.4	8123.2	10491.2	10491.2	9023.7
45°	10469.0	10476.4	10469.0	10053.9	9412.8	9127.5	8445.6	9164.5	11695.6	11829.0	10194.8
47.5°	11180.5	11402.9	11384.3	11136.1	10639.5	10532.0	9601.8	10350.4	13207.6	13441.1	11336.2
50°	11547.4	11795.7	11869.8	11999.5	11977.3	12203.3	10865.5	11725.3	14512.1	15086.5	12803.7
52.5°	11447.3	11465.9	11921.7	12433.1	13248.4	13882.1	12388.6	13285.4	16038.9	16605.9	13937.7
55°	10628.4	10557.9	11495.5	12081.0	13767.2	14908.6	14497.2	15231.0	17228.5	18091.9	15108.7
57.5°	8831.0	8849.5	9716.7	10906.3	13381.8	15316.2	16750.4	17773.2	18896.1	19767.0	16754.1
60°	6096.1	6073.9	7044.8	8419.7	11117.5	14556.5	18047.4	21067.7	21127.0	22361.0	19707.7
62.5°	3427.9	3435.3	4172.8	5347.5	7778.6	11895.7	17984.4	24566.0	24314.0	25396.1	23065.2
65°	1941.9	1990.0	2497.7	3168.5	4658.2	7986.1	15468.2	25959.4	26771.0	27734.5	25103.4
66°	1641.7	1675.0	2108.6	2616.3	3717.0	6477.8	13922.8	25688.9	27541.8	28275.6	25062.6
67.5°	1271.1	1315.6	1678.7	2075.3	2727.5	4484.1	11206.5	24343.7	27682.6	28112.5	24354.8
70°	870.9	900.5	1178.5	1575.0	1864.0	2293.9	6700.2	20126.4	25118.2	25481.4	21167.8
72.5°	611.5	626.3	826.4	1193.3	1434.2	1311.9	3324.1	14319.4	19222.2	19930.0	16465.0
75°	441.0	455.8	567.0	856.0	1119.2	859.8	1523.1	9146.0	11788.3	12344.2	9916.8
77.5°	318.7	337.2	385.4	552.2	811.6	604.1	748.6	4776.8	5558.8	5462.4	4265.4
80°	192.7	211.2	285.3	355.8	592.9	426.2	411.3	1993.7	1971.5	1871.4	1341.5
82.5°	88.9	103.8	151.9	240.9	415.1	296.5	196.4	711.5	622.6	570.7	378.0
85°	25.9	33.4	88.9	181.6	211.2	144.5	118.6	244.6	255.7	218.6	126.0
87.5°	0.0	3.7	40.8	44.5	63.0	48.2	44.5	63.0	118.6	96.4	40.8
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°	2990.6	2990.6	2990.6	2990.6	2990.6	2990.6	2990.6	2990.6	2990.6	2990.6	2990.6
2.5°	3020.3	2994.3	2931.3	2835.0	2749.7	2705.3	2642.3	2586.7	2557.0	2553.3	2549.6
5°	3094.4	3024.0	2872.0	2697.9	2568.1	2427.3	2331.0	2260.6	2193.9	2130.9	2167.9
7.5°	3194.4	3083.3	2835.0	2608.9	2327.3	2145.7	1975.2	1875.2	1815.9	1760.3	1752.9
10°	3350.1	3209.3	2809.0	2401.4	2079.0	1812.2	1638.0	1493.5	1411.9	1315.6	1352.6
12.5°	3561.3	3309.3	2712.7	2212.4	1797.3	1515.7	1267.4	1033.9	904.2	804.2	807.9
15°	3772.5	3442.7	2623.7	1982.6	1541.6	1171.0	807.9	648.5	611.5	589.2	596.6
17.5°	3980.1	3550.2	2486.6	1749.2	1248.9	744.9	589.2	555.9	537.3	515.1	515.1
20°	4232.1	3620.6	2316.2	1534.2	859.8	552.2	504.0	481.8	452.1	422.5	426.2
22.5°	4476.7	3679.9	2119.7	1260.0	578.1	478.1	422.5	392.8	366.9	337.2	337.2
25°	4721.2	3698.4	1864.0	904.2	466.9	381.7	329.8	289.1	263.1	237.2	240.9
27.5°	4888.0	3583.5	1623.2	578.1	374.3	289.1	229.8	196.4	174.2	148.2	148.2
30°	4984.4	3372.3	1363.7	407.6	281.6	196.4	137.1	103.8	81.5	63.0	59.3
32.5°	5080.7	3201.8	1071.0	311.3	185.3	103.8	51.9	18.5	0.0	0.0	0.0
35°	5273.4	3009.1	718.9	174.2	63.0	3.7	0.0	0.0	0.0	0.0	0.0
37.5°	5395.7	2742.3	329.8	25.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	5703.3	2608.9	81.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	6203.6	2516.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	6752.0	2479.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	7482.1	2579.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	8252.9	2849.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	9097.8	3105.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	9835.3	3413.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	11191.6	4139.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	13626.4	5566.2	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	16368.7	6626.0	40.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	17373.0	6600.1	70.4	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	17195.1	6236.9	70.4	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	16272.3	5540.2	63.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	13974.7	4576.7	63.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	10654.3	3565.0	59.3	14.8	3.7	0.0	0.0	0.0	0.0	0.0	0.0
75°	6429.6	1897.4	48.2	18.5	7.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2560.7	667.1	37.1	14.8	7.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	693.0	200.1	22.2	14.8	11.1	3.7	0.0	0.0	0.0	0.0	0.0
82.5°	181.6	74.1	18.5	14.8	7.4	3.7	0.0	0.0	0.0	0.0	0.0
85°	70.4	29.6	14.8	11.1	11.1	7.4	3.7	0.0	0.0	0.0	0.0
87.5°	22.2	11.1	11.1	7.4	7.4	3.7	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)