

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: P481916

Luminaire Tested: **IFLD-S-SA6B-722-U-T2R-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P481916
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-722-U-T2R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens with House Side Shield
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

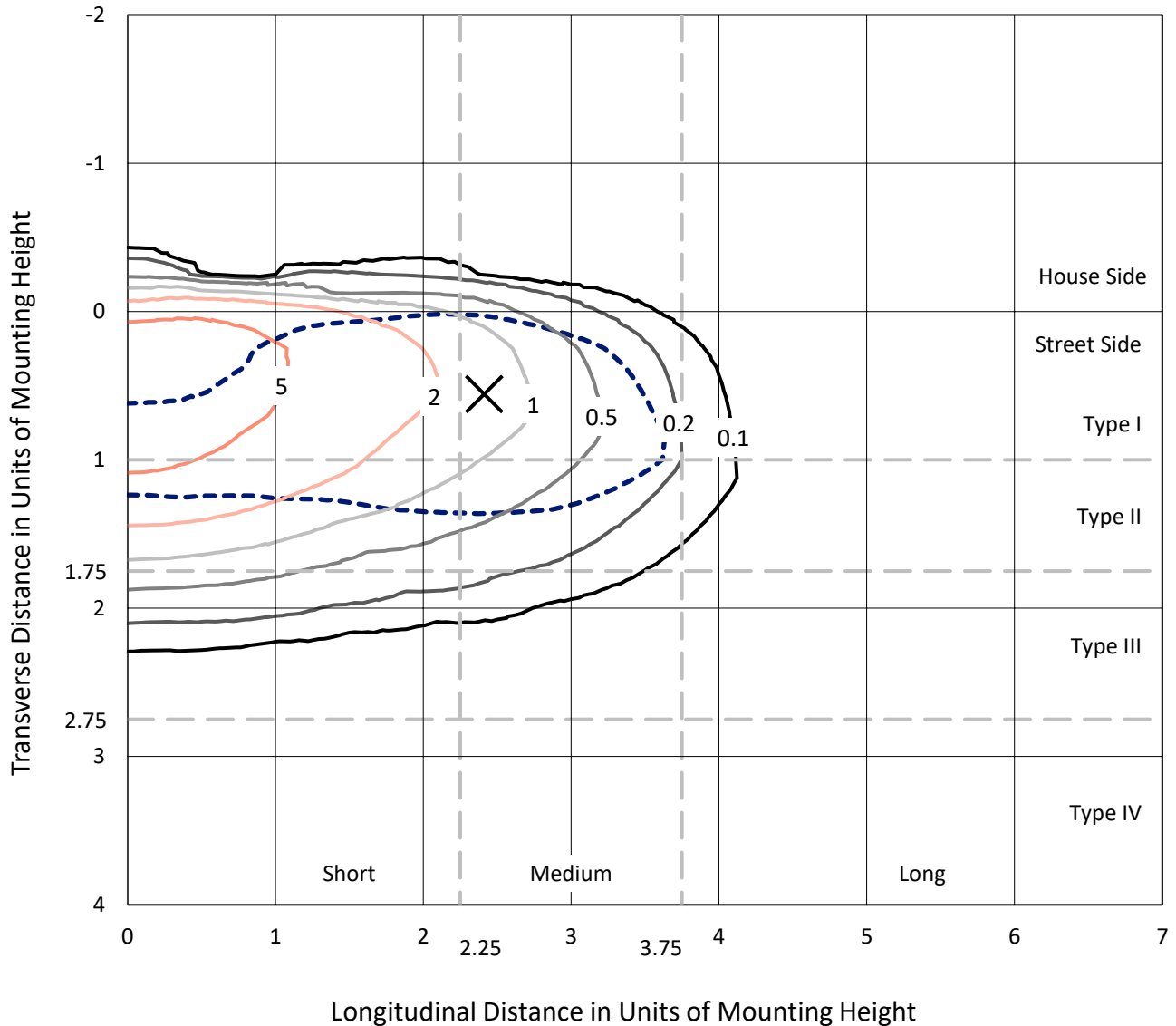
Lumens per Lamp: N/A
Luminaire Lumens: 19330.9 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G3

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: P481916
 CATALOG NUMBER: IFLD-S-SA6B-722-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

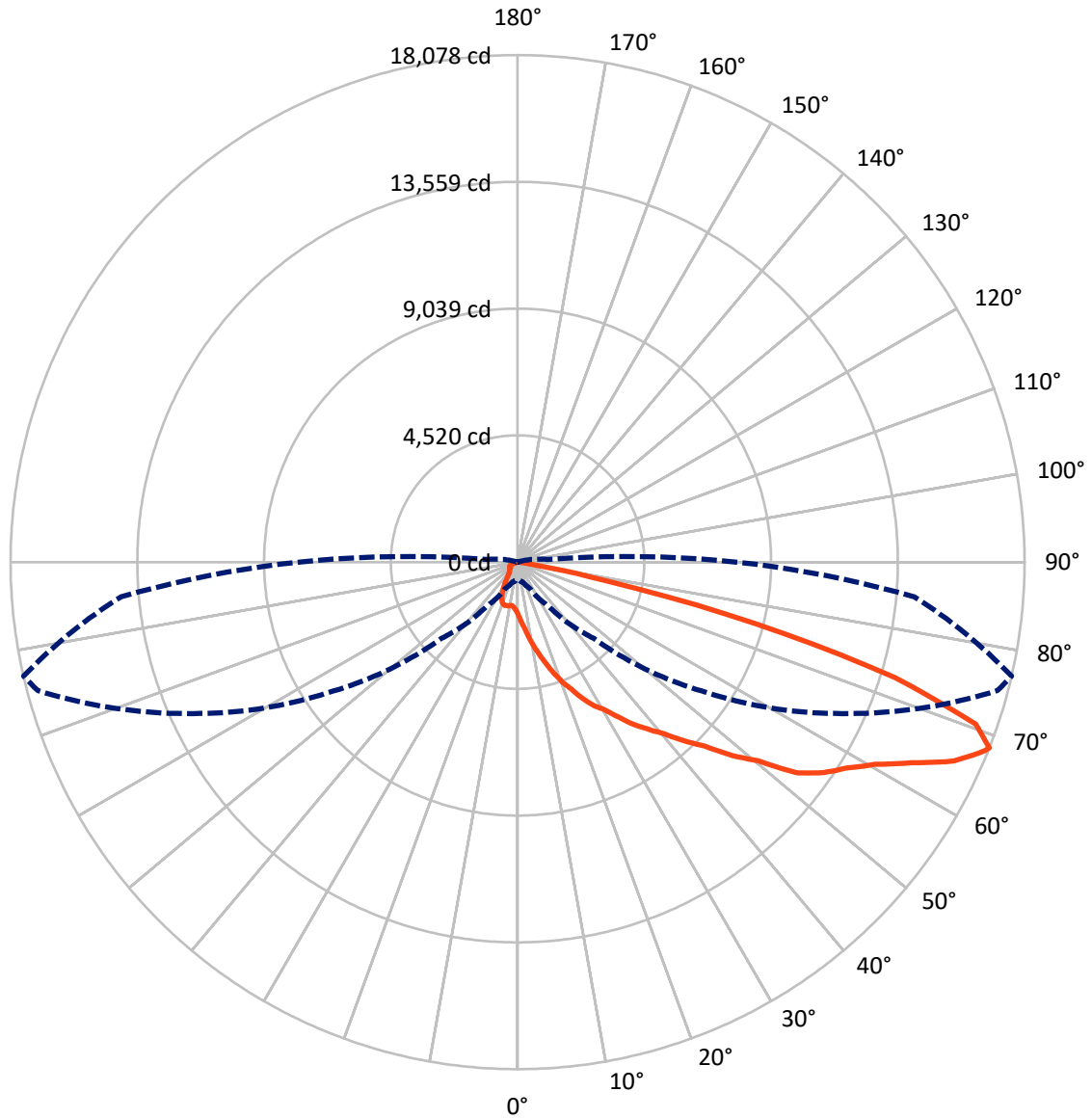
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
 Type II - Medium - N/A

REPORT NUMBER: P481916
CATALOG NUMBER: IFLD-S-SA6B-722-U-T2R-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P481916
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	876.6	0.0	876.6
	% Fixture	4.5	0.0	4.5
Street Side	Lumens	18454.2	0.0	18454.2
	% Fixture	95.5	0.0	95.5
Total	Lumens	19330.9	0.0	19330.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.2	1.1
10°-20°	797.5	4.1
20°-30°	1545.6	8.0
30°-40°	2694.5	13.9
40°-50°	3946.4	20.4
50°-60°	4636.4	24.0
60°-70°	3915.0	20.3
70°-80°	1517.5	7.9
80°-90°	61.7	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°	19330.9	100.0
0°-180°	19330.9	100.0

Coefficient of Utilization



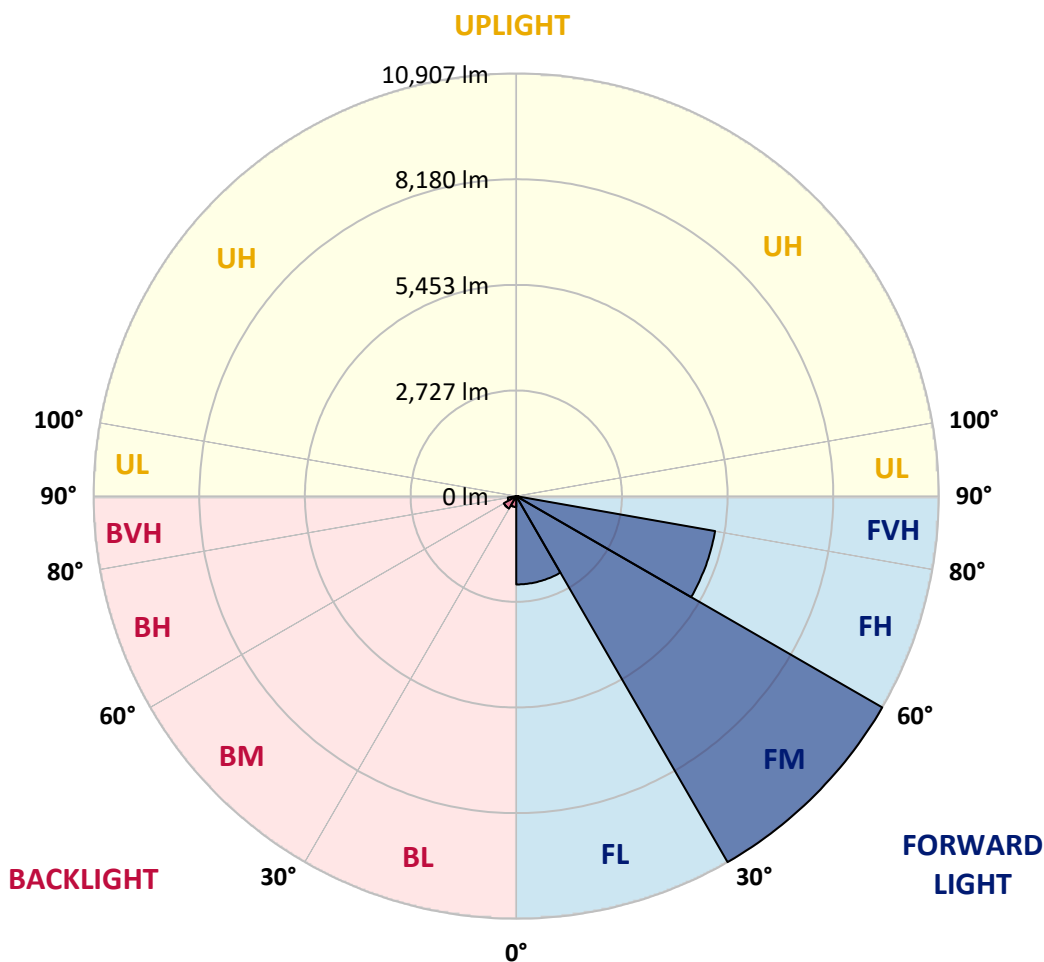
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2279.3	11.8			
FM (30°-60°)	10906.8	56.4			
FH (60°-80°)	5211.2	27.0			G3/7500
FVH (80°-90°)	56.9	0.3			G1/100
BL (0°-30°)	280.1	1.4	B1/500		
BM (30°-60°)	370.4	1.9	B1/1000		
BH (60°-80°)	221.3	1.1	B1/500		G1/500
BVH (80°-90°)	4.8	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: P481916

CATALOG NUMBER: IFLD-S-SA6B-722-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1851.0	1851.0	1851.0	1851.0	1851.0	1851.0	1851.0	1851.0	1851.0	1851.0	1851.0
2.5°	2812.4	2759.1	2703.2	2687.2	2583.4	2466.2	2357.0	2250.4	2072.0	2074.7	1952.2
5°	3624.7	3558.1	3512.8	3502.2	3339.7	3137.3	2972.2	2671.2	2375.6	2309.0	2085.3
7.5°	4293.2	4271.9	4205.3	4149.3	4029.5	3781.8	3587.4	3156.0	2705.9	2631.3	2247.8
10°	4698.0	4729.9	4759.2	4687.3	4594.1	4415.7	4149.3	3683.3	3081.4	2988.2	2458.2
12.5°	5129.4	5076.2	5094.8	5153.4	5030.9	4990.9	4660.7	4226.6	3520.8	3342.4	2724.5
15°	5241.3	5262.6	5307.9	5478.3	5560.9	5446.3	5161.4	4666.0	3976.2	3728.5	2972.2
17.5°	5315.8	5305.2	5361.1	5616.8	5742.0	5851.2	5672.7	5156.1	4373.1	4152.0	3281.1
20°	5409.1	5350.5	5473.0	5635.4	5925.7	6154.8	6146.8	5648.8	4788.5	4554.2	3587.4
22.5°	5755.3	5710.0	5808.5	5824.5	6026.9	6346.5	6423.8	6050.9	5214.6	4927.0	3917.6
25°	6394.5	6477.0	6359.8	6258.6	6319.9	6530.3	6586.2	6407.8	5643.4	5379.8	4247.9
27.5°	7329.3	7318.6	7086.9	6956.4	6809.9	6783.3	6823.2	6740.7	5981.7	5792.6	4519.5
30°	8333.3	8245.4	8032.4	7718.1	7395.8	7196.1	7140.2	7054.9	6378.5	6104.2	4788.5
32.5°	9132.3	9180.2	8943.2	8533.1	7997.7	7728.8	7459.8	7366.5	6815.3	6572.9	5097.5
35°	9867.3	9803.4	9614.3	9268.1	8788.7	8354.6	7933.8	7734.1	7339.9	7100.2	5438.4
37.5°	10410.6	10490.5	10131.0	9800.8	9324.0	8964.5	8551.7	8114.9	7880.6	7561.0	5853.8
40°	10924.6	10799.5	10557.1	10253.5	9811.4	9537.1	9265.4	8583.7	8455.8	8043.0	6322.6
42.5°	10834.1	10842.1	10708.9	10463.9	10144.3	9987.2	9894.0	9153.6	8977.8	8714.2	6780.6
45°	10463.9	10495.9	10541.1	10421.3	10447.9	10290.8	10541.1	9808.7	9635.6	9356.0	7308.0
47.5°	10056.4	10109.7	10099.0	10317.4	10565.1	10618.4	11244.2	10535.8	10461.2	10306.8	8037.7
50°	9380.0	9401.3	9606.3	10003.2	10341.4	10898.0	11771.6	11329.5	11444.0	11140.4	8905.9
52.5°	8224.1	8301.3	8828.7	9395.9	10077.7	11039.2	12128.4	12509.3	12799.6	12488.0	9739.5
55°	6762.0	6868.5	7387.9	8450.5	9449.2	10826.1	12453.4	13132.5	13721.1	13249.7	10245.5
57.5°	5441.0	5451.7	5917.7	7015.0	8557.0	10408.0	12618.5	13436.1	14227.1	13848.9	10863.4
60°	4146.7	4104.1	4522.2	5473.0	7054.9	9380.0	12205.7	13590.6	14858.3	14639.9	11606.4
62.5°	2668.6	2602.0	3057.4	3984.2	5510.3	7667.5	11380.1	13593.2	15843.7	15761.1	12850.2
65°	1321.0	1275.7	1667.2	2442.2	3813.8	5864.5	10202.9	13542.6	17047.5	17100.7	14062.0
67.5°	697.8	713.8	838.9	1238.4	2199.8	4144.0	8429.2	12948.7	17662.7	17961.0	14354.9
68°	641.8	647.2	745.7	1030.7	1909.5	3843.1	8008.4	12775.6	17710.6	18078.1	14192.5
70°	522.0	530.0	564.6	647.2	1033.3	2500.8	6178.7	11305.5	16988.9	17324.4	12847.5
72.5°	415.5	439.4	460.7	495.4	607.2	1313.0	3843.1	8810.0	14035.3	14072.6	10000.5
75°	316.9	335.6	378.2	407.5	474.1	721.7	1829.7	5371.8	9209.5	8756.8	5891.1
77.5°	245.0	261.0	279.6	319.6	396.8	487.4	559.3	2279.7	3912.3	3219.9	1664.5
80°	146.5	157.1	218.4	250.3	346.2	330.2	221.0	633.9	793.6	625.9	303.6
82.5°	85.2	93.2	125.2	191.8	242.4	178.4	130.5	197.1	194.4	170.4	101.2
85°	2.7	5.3	69.2	114.5	85.2	47.9	79.9	82.6	69.2	63.9	45.3
87.5°	0.0	2.7	18.6	16.0	18.6	10.7	16.0	21.3	26.6	24.0	18.6
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: P481916

CATALOG NUMBER: IFLD-S-SA6B-722-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1851.0	1851.0	1851.0	1851.0	1851.0	1851.0	1851.0	1851.0	1851.0	1851.0	1851.0
2.5°	1869.6	1811.0	1680.5	1582.0	1475.4	1411.5	1347.6	1307.7	1286.3	1273.0	1283.7
5°	1917.5	1795.0	1584.6	1398.2	1275.7	1193.1	1110.6	1068.0	1028.0	1006.7	1020.0
7.5°	2024.1	1840.3	1491.4	1289.0	1145.2	1017.4	913.5	830.9	783.0	740.4	748.4
10°	2154.6	1866.9	1494.1	1225.1	1017.4	815.0	668.5	564.6	506.0	468.7	466.1
12.5°	2287.7	1970.8	1504.7	1161.2	860.2	612.5	439.4	362.2	327.6	308.9	308.9
15°	2490.1	2064.0	1478.1	1044.0	652.5	399.5	300.9	274.3	261.0	245.0	247.7
17.5°	2665.9	2213.2	1464.8	868.2	447.4	287.6	250.3	221.0	207.7	191.8	191.8
20°	2902.9	2306.4	1392.9	671.1	308.9	239.7	202.4	175.8	154.5	141.2	143.8
22.5°	3118.7	2378.3	1265.0	458.1	237.0	189.1	149.1	122.5	103.9	87.9	90.6
25°	3353.0	2450.2	1078.6	282.3	167.8	117.2	79.9	58.6	39.9	29.3	29.3
27.5°	3520.8	2471.5	836.3	167.8	101.2	53.3	18.6	2.7	0.0	0.0	0.0
30°	3691.3	2479.5	577.9	90.6	39.9	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	3885.7	2476.8	362.2	47.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0
35°	4034.8	2431.5	173.1	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	4261.2	2365.0	53.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	4519.5	2245.1	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	4751.2	2122.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	5014.9	1970.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	5478.3	1906.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	6082.9	1856.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	6455.7	1707.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	6650.1	1552.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	6937.8	1478.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	7363.9	1483.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	8029.7	1558.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	8397.2	1483.4	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	8085.6	1187.8	50.6	13.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0
68°	7816.6	1091.9	50.6	13.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0
70°	6461.0	711.1	47.9	13.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	4706.0	394.2	39.9	10.7	5.3	0.0	0.0	0.0	0.0	0.0	0.0
75°	2737.8	197.1	29.3	10.7	5.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	713.8	98.5	24.0	13.3	8.0	2.7	0.0	0.0	0.0	0.0	0.0
80°	141.2	63.9	21.3	16.0	10.7	5.3	0.0	0.0	0.0	0.0	0.0
82.5°	66.6	45.3	21.3	16.0	13.3	8.0	2.7	0.0	0.0	0.0	0.0
85°	34.6	21.3	21.3	16.0	16.0	10.7	5.3	0.0	0.0	0.0	0.0
87.5°	16.0	8.0	8.0	8.0	8.0	5.3	2.7	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)