

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: P481918

Luminaire Tested: **IFLD-S-SA6D-722-U-T2R-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P481918
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-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

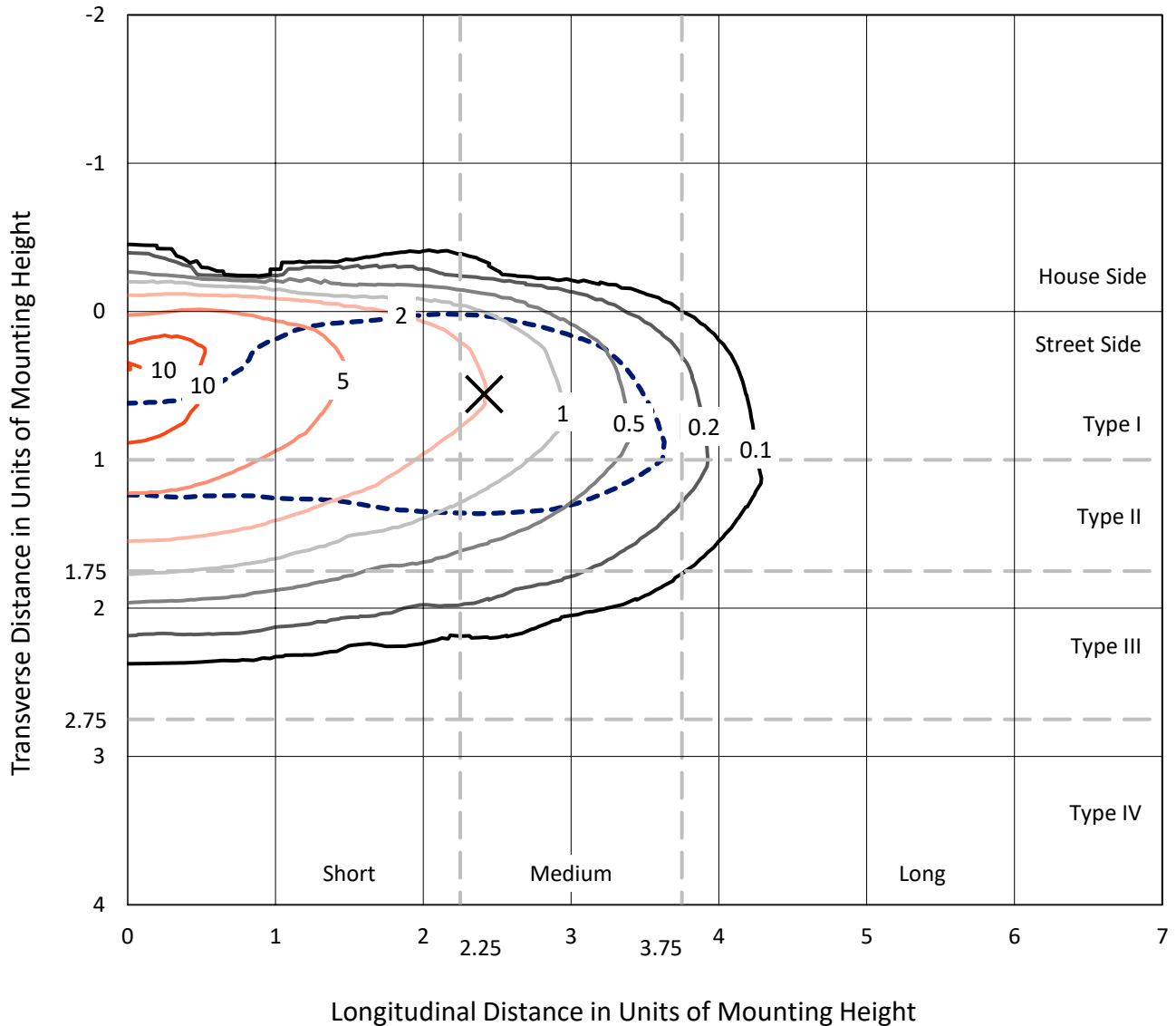
Lumens per Lamp: N/A
Luminaire Lumens: 26478.4 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G3

Input Watts (W): 368.2
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

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Iso-Footcandle Lines of Horizontal Illumination

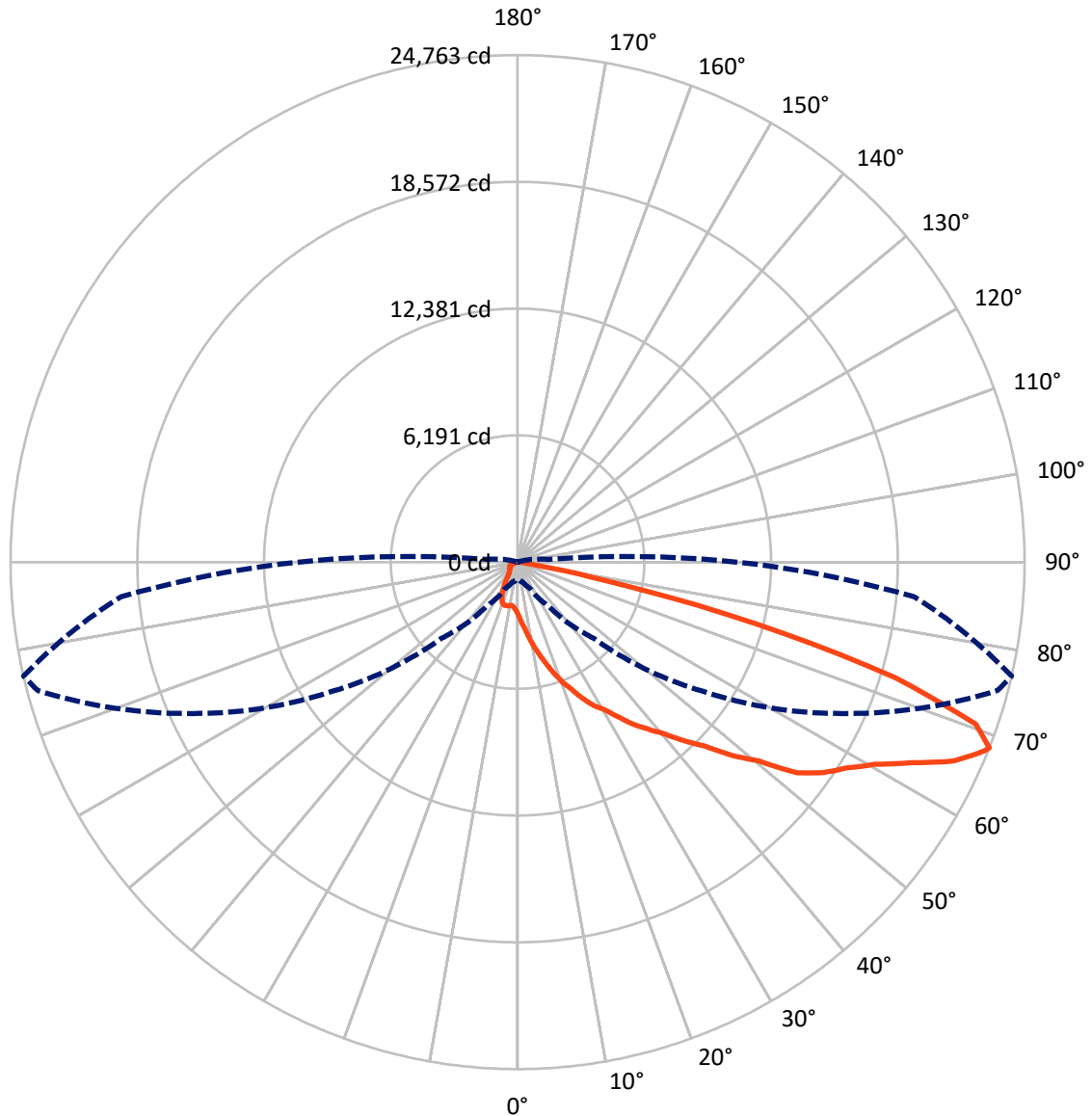
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 fc
 Type II - Medium - N/A

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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	1200.8	0.0	1200.8
	% Fixture	4.5	0.0	4.5
Street Side	Lumens	25277.7	0.0	25277.7
	% Fixture	95.5	0.0	95.5
Total	Lumens	26478.4	0.0	26478.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.2	1.1
10°-20°	1092.4	4.1
20°-30°	2117.1	8.0
30°-40°	3690.8	13.9
40°-50°	5405.5	20.4
50°-60°	6350.7	24.0
60°-70°	5362.6	20.3
70°-80°	2078.7	7.9
80°-90°	84.5	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°	26478.4	100.0
0°-180°	26478.4	100.0

Coefficient of Utilization



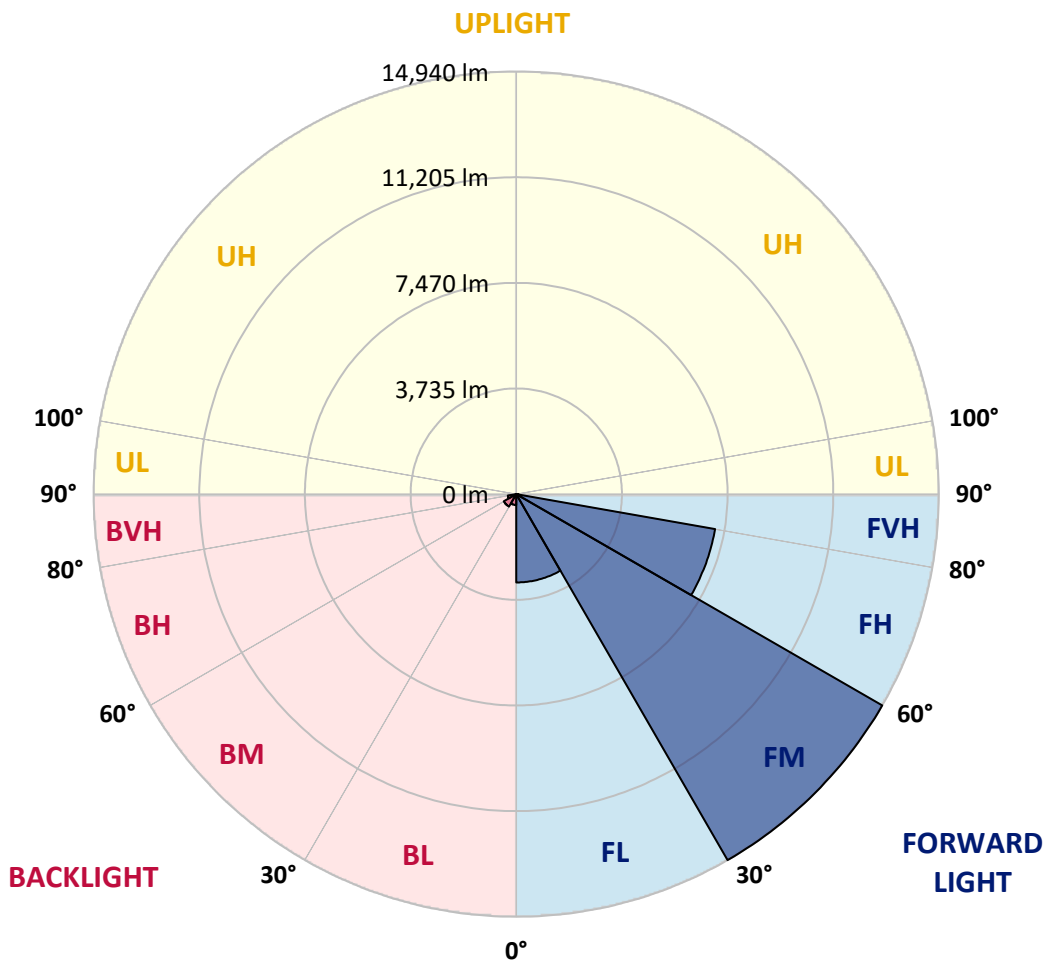
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3122.0	11.8			
FM (30°-60°)	14939.6	56.4			
FH (60°-80°)	7138.0	27.0			G3/7500
FVH (80°-90°)	78.0	0.3			G1/100
BL (0°-30°)	383.6	1.4	B1/500		
BM (30°-60°)	507.4	1.9	B1/1000		
BH (60°-80°)	303.2	1.1	B1/500		G1/500
BVH (80°-90°)	6.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2535.4	2535.4	2535.4	2535.4	2535.4	2535.4	2535.4	2535.4	2535.4	2535.4	2535.4
2.5°	3852.3	3779.3	3702.7	3680.8	3538.5	3378.0	3228.5	3082.6	2838.1	2841.8	2674.0
5°	4964.9	4873.7	4811.7	4797.1	4574.6	4297.3	4071.2	3658.9	3254.0	3162.8	2856.4
7.5°	5880.6	5851.4	5760.2	5683.6	5519.4	5180.1	4913.8	4322.9	3706.4	3604.2	3078.9
10°	6435.1	6478.8	6519.0	6420.5	6292.8	6048.4	5683.6	5045.2	4220.7	4093.0	3367.1
12.5°	7026.0	6953.1	6978.6	7058.9	6891.0	6836.3	6384.0	5789.4	4822.6	4578.2	3731.9
15°	7179.2	7208.4	7270.4	7503.9	7617.0	7460.1	7069.8	6391.3	5446.4	5107.2	4071.2
17.5°	7281.4	7266.8	7343.4	7693.6	7865.1	8014.6	7770.2	7062.5	5990.0	5687.2	4494.3
20°	7409.1	7328.8	7496.6	7719.1	8116.8	8430.5	8419.6	7737.4	6559.1	6238.1	4913.8
22.5°	7883.3	7821.3	7956.3	7978.2	8255.4	8693.2	8798.9	8288.2	7142.8	6748.8	5366.2
25°	8758.8	8871.9	8711.4	8572.8	8656.7	8944.9	9021.5	8777.1	7730.1	7368.9	5818.5
27.5°	10039.3	10024.7	9707.3	9528.5	9327.9	9291.4	9346.1	9233.1	8193.4	7934.4	6190.6
30°	11414.6	11294.2	11002.3	10571.9	10130.5	9856.9	9780.3	9663.5	8736.9	8361.2	6559.1
32.5°	12509.0	12574.6	12249.9	11688.2	10954.9	10586.5	10218.0	10090.3	9335.2	9003.2	6982.2
35°	13515.8	13428.2	13169.2	12695.0	12038.4	11443.7	10867.4	10593.8	10053.9	9725.5	7449.2
37.5°	14260.0	14369.4	13876.9	13424.6	12771.6	12279.1	11713.7	11115.4	10794.4	10356.6	8018.3
40°	14964.0	14792.6	14460.6	14044.8	13439.2	13063.4	12691.4	11757.5	11582.4	11016.9	8660.3
42.5°	14840.0	14851.0	14668.6	14332.9	13895.2	13680.0	13552.3	12538.1	12297.4	11936.2	9287.8
45°	14332.9	14376.7	14438.7	14274.6	14311.1	14095.8	14438.7	13435.5	13198.4	12815.4	10010.1
47.5°	13774.8	13847.8	13833.2	14132.3	14471.6	14544.5	15401.8	14431.4	14329.3	14117.7	11009.6
50°	12848.2	12877.4	13158.3	13701.8	14165.1	14927.6	16124.1	15518.5	15675.4	15259.5	12198.9
52.5°	11265.0	11370.8	12093.1	12870.1	13804.0	15120.9	16612.9	17134.6	17532.2	17105.4	13340.7
55°	9262.2	9408.2	10119.5	11575.1	12943.1	14829.1	17058.0	17988.2	18794.4	18148.7	14033.8
57.5°	7452.8	7467.4	8105.8	9608.8	11721.0	14256.3	17284.2	18404.1	19487.6	18969.5	14880.1
60°	5679.9	5621.5	6194.3	7496.6	9663.5	12848.2	16718.7	18615.7	20352.1	20053.0	15897.9
62.5°	3655.3	3564.1	4187.9	5457.4	7547.7	10502.6	15587.9	18619.3	21701.9	21588.8	17601.5
65°	1809.4	1747.4	2283.6	3345.2	5223.9	8032.9	13975.4	18550.0	23350.8	23423.7	19261.4
67.5°	955.8	977.7	1149.1	1696.3	3013.2	5676.3	11545.9	17736.5	24193.5	24602.0	19662.7
68°	879.2	886.5	1021.4	1411.8	2615.6	5264.0	10969.5	17499.4	24259.1	24762.5	19440.1
70°	715.0	725.9	773.4	886.5	1415.4	3425.5	8463.3	15485.7	23270.5	23730.2	17597.9
72.5°	569.1	601.9	631.1	678.5	831.7	1798.5	5264.0	12067.5	19224.9	19276.0	13698.2
75°	434.1	459.6	518.0	558.1	649.3	988.6	2506.2	7358.0	12614.7	11994.6	8069.4
77.5°	335.6	357.5	383.0	437.8	543.6	667.6	766.1	3122.7	5358.9	4410.4	2280.0
80°	200.6	215.2	299.1	342.9	474.2	452.4	302.8	868.2	1087.1	857.3	415.9
82.5°	116.7	127.7	171.5	262.7	332.0	244.4	178.8	270.0	266.3	233.5	138.6
85°	3.6	7.3	94.8	156.9	116.7	65.7	109.4	113.1	94.8	87.6	62.0
87.5°	0.0	3.6	25.5	21.9	25.5	14.6	21.9	29.2	36.5	32.8	25.5
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°	2535.4	2535.4	2535.4	2535.4	2535.4	2535.4	2535.4	2535.4	2535.4	2535.4	2535.4
2.5°	2560.9	2480.6	2301.9	2166.9	2021.0	1933.4	1845.9	1791.2	1762.0	1743.7	1758.3
5°	2626.6	2458.7	2170.6	1915.2	1747.4	1634.3	1521.2	1462.8	1408.1	1378.9	1397.2
7.5°	2772.5	2520.8	2042.9	1765.6	1568.6	1393.5	1251.3	1138.2	1072.5	1014.1	1025.1
10°	2951.2	2557.2	2046.5	1678.1	1393.5	1116.3	915.6	773.4	693.1	642.0	638.4
12.5°	3133.6	2699.5	2061.1	1590.5	1178.3	839.0	601.9	496.1	448.7	423.2	423.2
15°	3410.9	2827.2	2024.6	1430.0	893.8	547.2	412.2	375.7	357.5	335.6	339.3
17.5°	3651.6	3031.5	2006.4	1189.2	612.9	394.0	342.9	302.8	284.5	262.7	262.7
20°	3976.3	3159.2	1907.9	919.3	423.2	328.3	277.2	240.8	211.6	193.3	197.0
22.5°	4271.8	3257.7	1732.8	627.5	324.7	259.0	204.3	167.8	142.3	120.4	124.0
25°	4592.8	3356.1	1477.4	386.7	229.8	160.5	109.4	80.3	54.7	40.1	40.1
27.5°	4822.6	3385.3	1145.5	229.8	138.6	73.0	25.5	3.6	0.0	0.0	0.0
30°	5056.1	3396.3	791.6	124.0	54.7	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	5322.4	3392.6	496.1	65.7	3.6	0.0	0.0	0.0	0.0	0.0	0.0
35°	5526.7	3330.6	237.1	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	5836.8	3239.4	73.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	6190.6	3075.3	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	6508.0	2907.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	6869.2	2699.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	7503.9	2612.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	8332.0	2542.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	8842.7	2338.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	9109.0	2126.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	9503.0	2024.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	10086.7	2031.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	10998.7	2134.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	11502.1	2031.9	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	11075.3	1627.0	69.3	18.2	3.6	0.0	0.0	0.0	0.0	0.0	0.0
68°	10706.8	1495.7	69.3	18.2	3.6	0.0	0.0	0.0	0.0	0.0	0.0
70°	8850.0	974.0	65.7	18.2	7.3	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	6446.0	539.9	54.7	14.6	7.3	0.0	0.0	0.0	0.0	0.0	0.0
75°	3750.1	270.0	40.1	14.6	7.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	977.7	135.0	32.8	18.2	10.9	3.6	0.0	0.0	0.0	0.0	0.0
80°	193.3	87.6	29.2	21.9	14.6	7.3	0.0	0.0	0.0	0.0	0.0
82.5°	91.2	62.0	29.2	21.9	18.2	10.9	3.6	0.0	0.0	0.0	0.0
85°	47.4	29.2	29.2	21.9	21.9	14.6	7.3	0.0	0.0	0.0	0.0
87.5°	21.9	10.9	10.9	10.9	10.9	7.3	3.6	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)