

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: P481525

Luminaire Tested: **IFLD-S-SA6A-722-U-T2-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P481525
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-722-U-T2-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens with House Side Shield
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

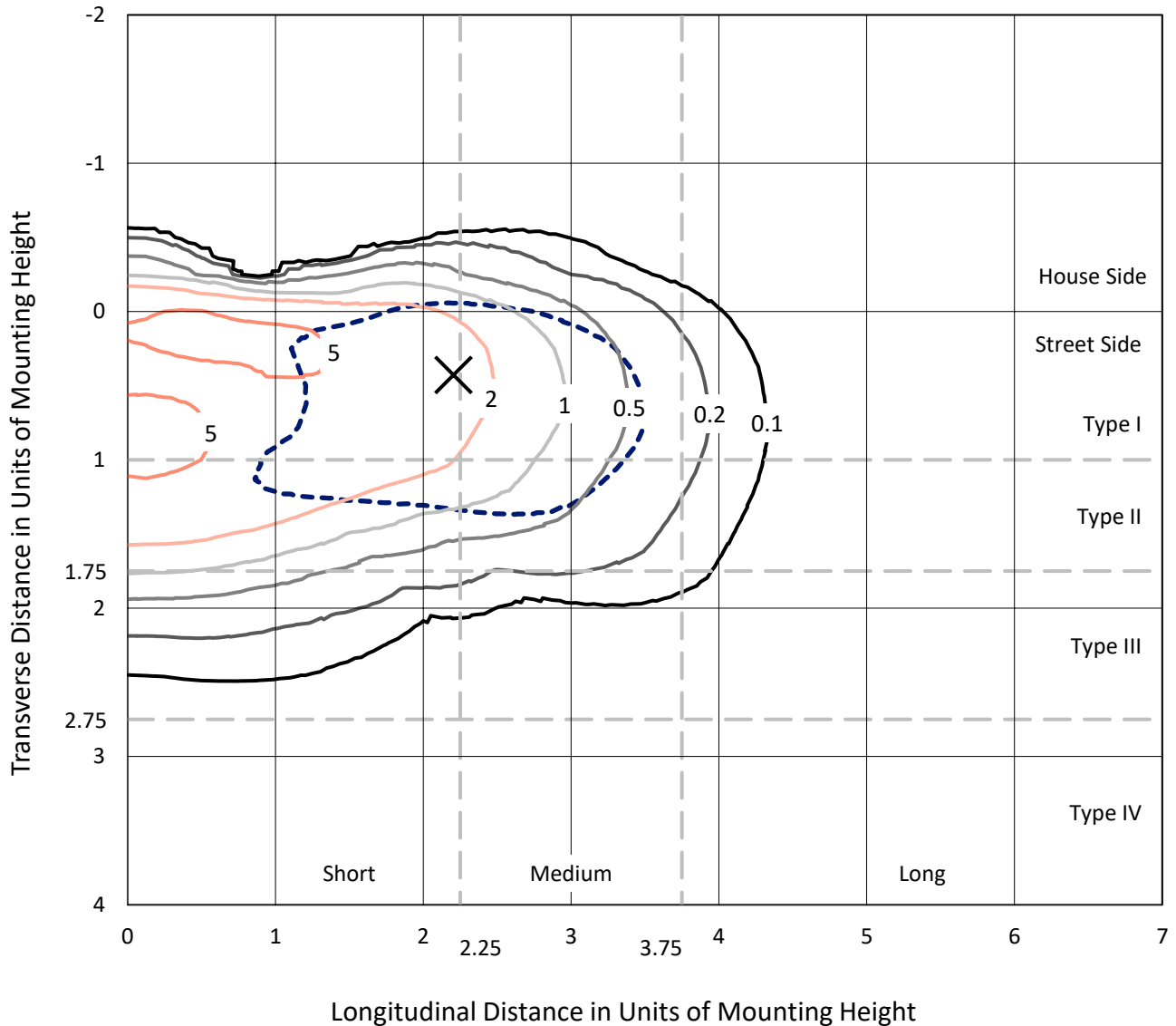
Lumens per Lamp: N/A
Luminaire Lumens: 14316.9 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 189.6
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

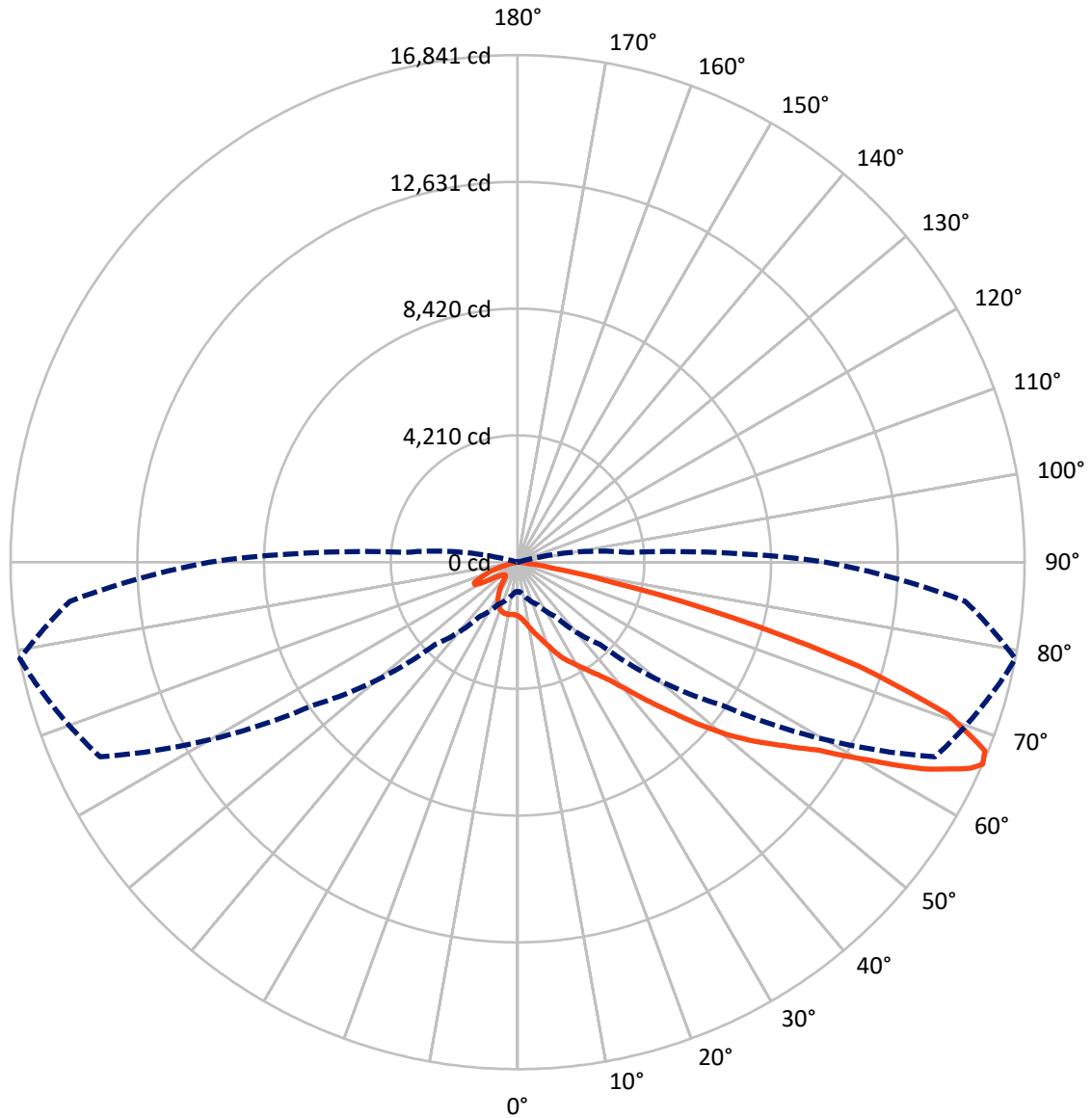
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.7 fc
 Type II - Short - N/A

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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	1075.0	0.0	1075.0
	% Fixture	7.5	0.0	7.5
Street Side	Lumens	13241.9	0.0	13241.9
	% Fixture	92.5	0.0	92.5
Total	Lumens	14316.9	0.0	14316.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.4	1.2
10°-20°	463.6	3.2
20°-30°	770.2	5.4
30°-40°	1322.8	9.2
40°-50°	2396.5	16.7
50°-60°	3788.2	26.5
60°-70°	3854.8	26.9
70°-80°	1470.0	10.3
80°-90°	82.4	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°	14316.9	100.0
0°-180°	14316.9	100.0

Coefficient of Utilization



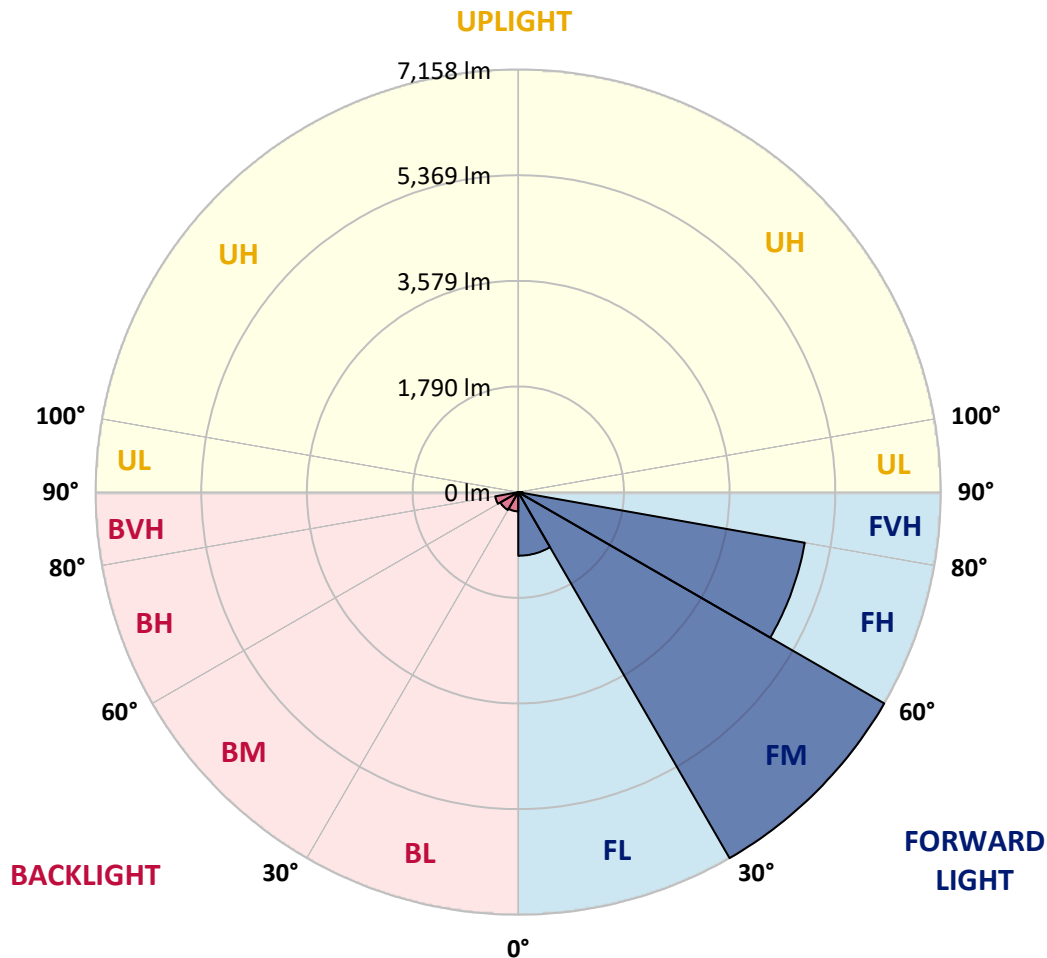
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1077.1	7.5			
FM (30°-60°)	7158.1	50.0			
FH (60°-80°)	4928.5	34.4			G2/5000
FVH (80°-90°)	78.2	0.5			G1/100
BL (0°-30°)	325.1	2.3	B1/500		
BM (30°-60°)	349.4	2.4	B1/1000		
BH (60°-80°)	396.3	2.8	B1/500		G1/500
BVH (80°-90°)	4.2	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	1781.2	1781.2	1781.2	1781.2	1781.2	1781.2	1781.2	1781.2	1781.2	1781.2	1781.2
2.5°	2017.4	2015.2	2006.3	1990.9	1971.0	1964.4	1935.7	1896.0	1873.9	1849.6	1838.6
5°	2156.4	2145.4	2171.9	2160.8	2165.2	2112.3	2077.0	2048.3	1964.4	1931.3	1878.3
7.5°	2187.3	2198.4	2196.1	2213.8	2231.5	2251.3	2227.0	2185.1	2101.2	2052.7	1995.3
10°	2187.3	2182.9	2200.6	2224.8	2275.6	2319.7	2386.0	2330.8	2266.8	2209.4	2105.7
12.5°	2147.6	2141.0	2158.6	2209.4	2299.9	2390.4	2463.2	2516.2	2425.7	2379.3	2244.7
15°	2026.2	2019.6	2092.4	2182.9	2302.1	2450.0	2602.3	2688.3	2626.5	2553.7	2403.6
17.5°	1876.1	1884.9	1962.2	2112.3	2302.1	2478.7	2672.9	2860.5	2851.7	2759.0	2602.3
20°	1825.3	1832.0	1909.2	2017.4	2233.7	2498.5	2783.3	3048.1	3101.1	2990.7	2785.5
22.5°	1922.5	1915.8	1922.5	1988.7	2187.3	2480.9	2856.1	3262.2	3357.1	3271.0	3026.0
25°	2253.5	2249.1	2193.9	2092.4	2160.8	2441.1	2893.6	3403.5	3622.0	3542.5	3220.3
27.5°	2739.1	2721.5	2635.4	2423.5	2284.4	2465.4	2955.4	3540.3	3853.7	3763.2	3394.6
30°	3260.0	3218.1	3105.5	2840.6	2604.5	2555.9	2990.7	3641.9	4112.0	3997.2	3546.9
32.5°	3619.8	3675.0	3639.6	3370.4	3008.4	2765.6	3048.1	3769.9	4350.4	4275.3	3807.4
35°	4176.0	4240.0	4092.1	3853.7	3489.6	3098.9	3169.5	3873.6	4716.7	4590.9	4050.2
37.5°	4877.9	4926.4	4820.5	4368.0	3984.0	3509.4	3418.9	4089.9	5032.4	4972.8	4361.4
40°	5231.0	5465.0	5314.9	4906.6	4493.8	4083.3	3831.7	4343.7	5582.0	5533.4	4791.8
42.5°	5718.8	5835.8	5758.5	5456.2	5025.8	4696.9	4341.5	4838.1	6248.5	6248.5	5374.5
45°	6235.3	6239.7	6235.3	5988.1	5606.2	5436.3	5030.2	5458.4	6965.9	7045.3	6072.0
47.5°	6659.1	6791.5	6780.5	6632.6	6336.8	6272.8	5718.8	6164.7	7866.4	8005.5	6751.8
50°	6877.6	7025.5	7069.6	7146.9	7133.6	7268.3	6471.5	6983.5	8643.3	8985.4	7625.8
52.5°	6818.0	6829.0	7100.5	7405.1	7890.7	8268.1	7378.6	7912.7	9552.7	9890.4	8301.2
55°	6330.2	6288.3	6846.7	7195.4	8199.7	8879.5	8634.5	9071.5	10261.2	10775.5	8998.7
57.5°	5259.7	5270.8	5787.2	6495.7	7970.1	9122.3	9976.5	10585.6	11254.4	11773.1	9978.7
60°	3630.8	3617.6	4195.9	5014.7	6621.5	8669.8	10749.0	12547.8	12583.1	13318.1	11737.8
62.5°	2041.6	2046.1	2485.3	3185.0	4632.9	7085.1	10711.5	14631.4	14481.3	15125.8	13737.5
65°	1156.6	1185.3	1487.6	1887.1	2774.4	4756.5	9212.8	15461.3	15944.7	16518.6	14951.5
66°	977.8	997.6	1255.9	1558.3	2213.8	3858.2	8292.4	15300.2	16403.8	16840.8	14927.2
67.5°	757.1	783.5	999.9	1236.0	1624.5	2670.7	6674.5	14499.0	16487.7	16743.7	14505.6
70°	518.7	536.3	701.9	938.1	1110.2	1366.2	3990.6	11987.2	14960.3	15176.6	12607.4
72.5°	364.2	373.0	492.2	710.7	854.2	781.3	1979.8	8528.6	11448.7	11870.2	9806.5
75°	262.7	271.5	337.7	509.9	666.6	512.1	907.2	5447.3	7021.0	7352.1	5906.4
77.5°	189.8	200.9	229.5	328.9	483.4	359.8	445.9	2845.1	3310.8	3253.4	2540.5
80°	114.8	125.8	170.0	211.9	353.1	253.8	245.0	1187.5	1174.2	1114.6	799.0
82.5°	53.0	61.8	90.5	143.5	247.2	176.6	117.0	423.8	370.8	339.9	225.1
85°	15.5	19.9	53.0	108.2	125.8	86.1	70.6	145.7	152.3	130.2	75.0
87.5°	0.0	2.2	24.3	26.5	37.5	28.7	26.5	37.5	70.6	57.4	24.3
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°	1781.2	1781.2	1781.2	1781.2	1781.2	1781.2	1781.2	1781.2	1781.2	1781.2	1781.2
2.5°	1798.9	1783.4	1745.9	1688.5	1637.7	1611.2	1573.7	1540.6	1523.0	1520.7	1518.5
5°	1843.0	1801.1	1710.6	1606.8	1529.6	1445.7	1388.3	1346.4	1306.7	1269.1	1291.2
7.5°	1902.6	1836.4	1688.5	1553.9	1386.1	1278.0	1176.4	1116.8	1081.5	1048.4	1044.0
10°	1995.3	1911.4	1673.0	1430.3	1238.2	1079.3	975.6	889.5	840.9	783.5	805.6
12.5°	2121.1	1971.0	1615.7	1317.7	1070.5	902.7	754.9	615.8	538.6	479.0	481.2
15°	2246.9	2050.5	1562.7	1180.8	918.2	697.5	481.2	386.3	364.2	350.9	355.4
17.5°	2370.5	2114.5	1481.0	1041.8	743.8	443.6	350.9	331.1	320.0	306.8	306.8
20°	2520.6	2156.4	1379.5	913.8	512.1	328.9	300.2	286.9	269.3	251.6	253.8
22.5°	2666.3	2191.7	1262.5	750.4	344.3	284.7	251.6	234.0	218.5	200.9	200.9
25°	2812.0	2202.8	1110.2	538.6	278.1	227.3	196.4	172.2	156.7	141.3	143.5
27.5°	2911.3	2134.3	966.7	344.3	222.9	172.2	136.8	117.0	103.7	88.3	88.3
30°	2968.7	2008.5	812.2	242.8	167.7	117.0	81.7	61.8	48.6	37.5	35.3
32.5°	3026.0	1907.0	637.9	185.4	110.4	61.8	30.9	11.0	0.0	0.0	0.0
35°	3140.8	1792.2	428.2	103.7	37.5	2.2	0.0	0.0	0.0	0.0	0.0
37.5°	3213.7	1633.3	196.4	15.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	3396.9	1553.9	48.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	3694.8	1498.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	4021.5	1476.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	4456.3	1536.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	4915.4	1697.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	5418.6	1849.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	5857.9	2032.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	6665.7	2465.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	8115.8	3315.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	9749.1	3946.4	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	10347.3	3931.0	41.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	10241.3	3714.7	41.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	9691.7	3299.7	37.5	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	8323.3	2725.9	37.5	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	6345.7	2123.3	35.3	8.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0
75°	3829.5	1130.1	28.7	11.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1525.2	397.3	22.1	8.8	4.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	412.7	119.2	13.2	8.8	6.6	2.2	0.0	0.0	0.0	0.0	0.0
82.5°	108.2	44.1	11.0	8.8	4.4	2.2	0.0	0.0	0.0	0.0	0.0
85°	41.9	17.7	8.8	6.6	6.6	4.4	2.2	0.0	0.0	0.0	0.0
87.5°	13.2	6.6	6.6	4.4	4.4	2.2	2.2	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)