

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: P482760

Luminaire Tested: **IFLD-S-SA3C-730-U-T3R-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P482760  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3C-730-U-T3R-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R distribution lens with House Side Shield  
Light Source: (48) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

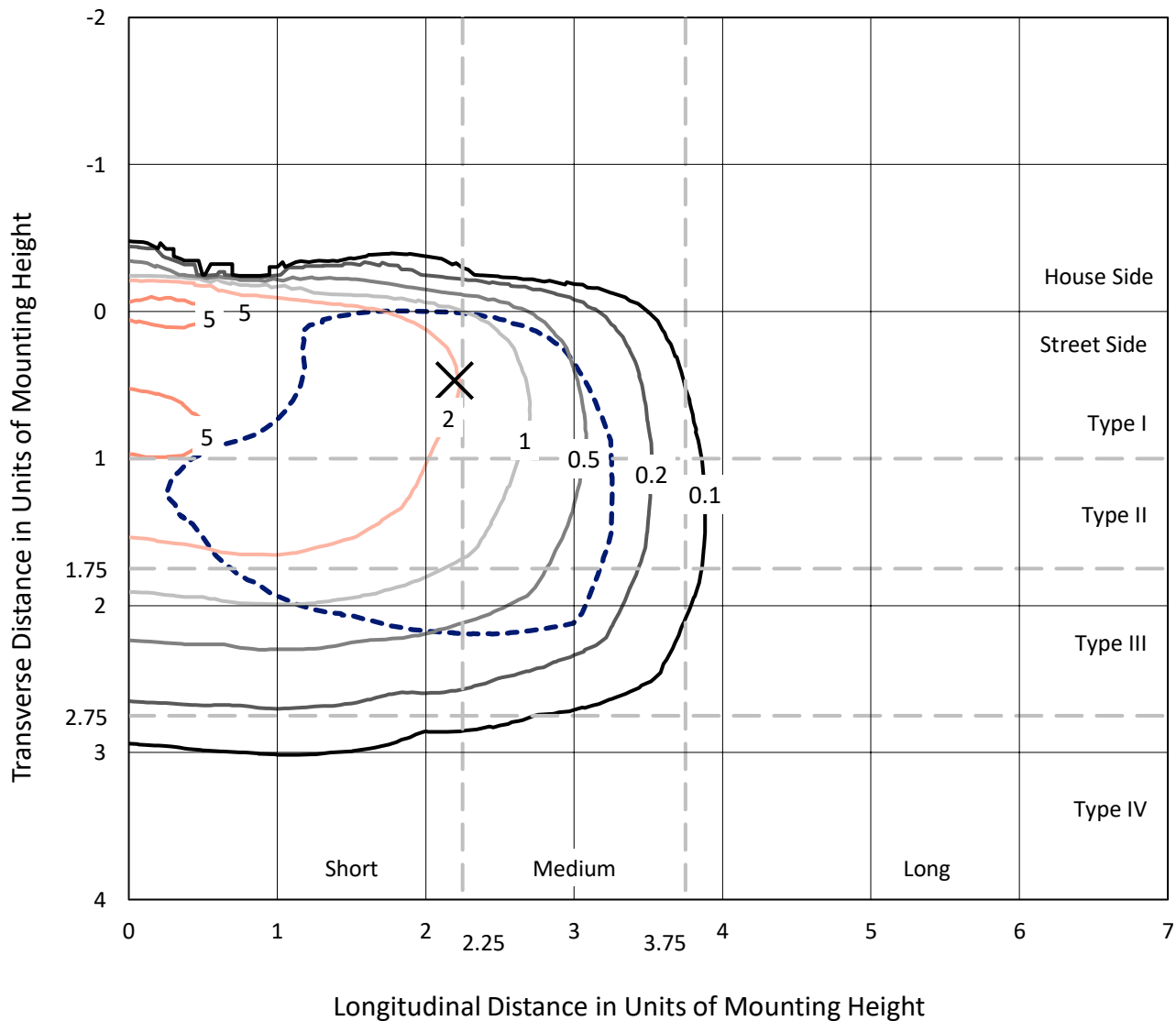
Lumens per Lamp: N/A  
Luminaire Lumens: 13826.2 lumens  
Efficiency: N/A  
Efficacy: 86.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G3

Input Watts (W): 160.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: P482760  
 CATALOG NUMBER: IFLD-S-SA3C-730-U-T3R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

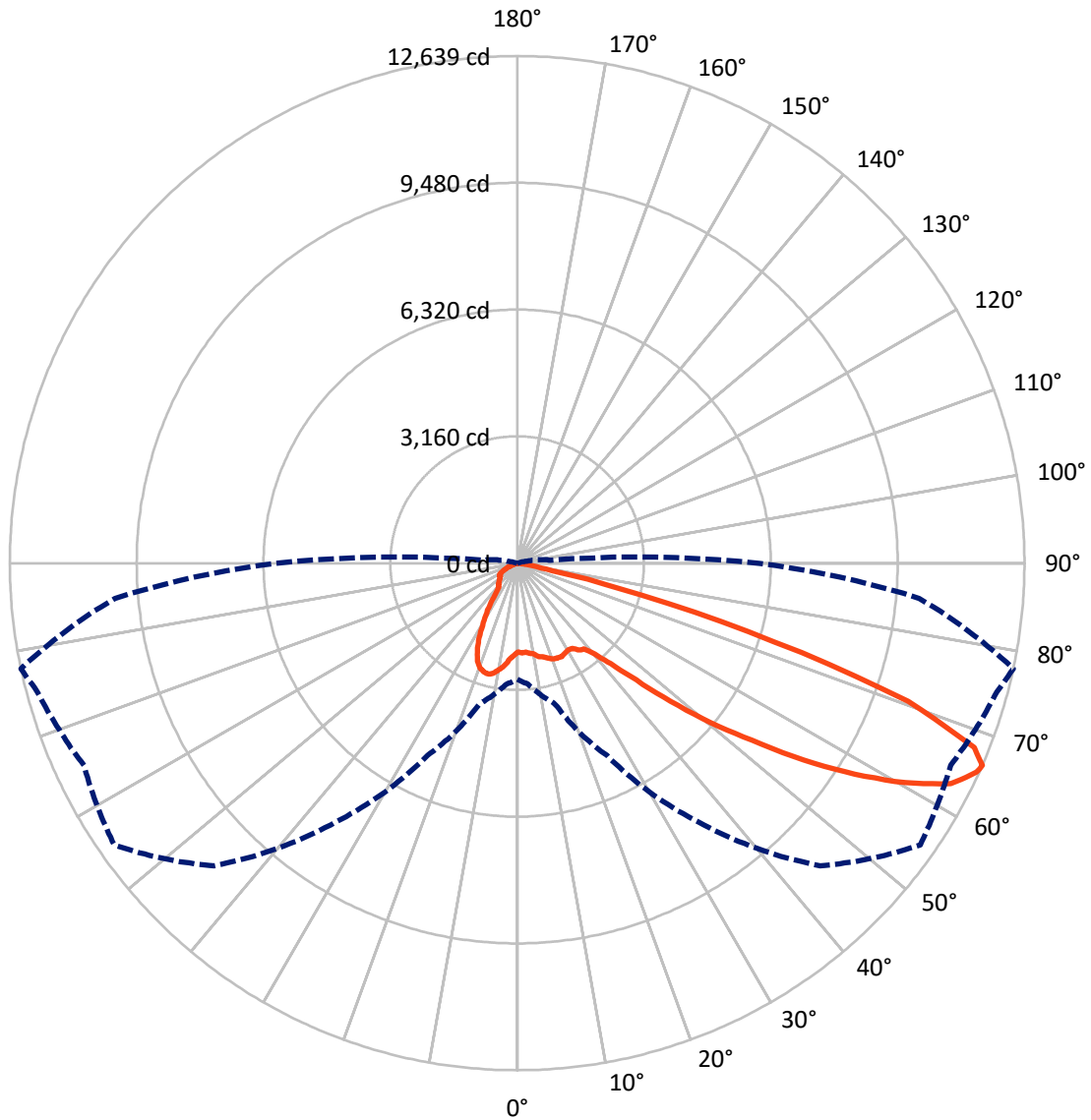
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.3 fc  
 Type III - Short - N/A

REPORT NUMBER: P482760  
CATALOG NUMBER: IFLD-S-SA3C-730-U-T3R-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P482760  
 CATALOG NUMBER: IFLD-S-SA3C-730-U-T3R-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	972.0	0.0	972.0
	% Fixture	7.0	0.0	7.0
<b>Street Side</b>	Lumens	12854.2	0.0	12854.2
	% Fixture	93.0	0.0	93.0
<b>Total</b>	Lumens	13826.2	0.0	13826.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	202.6	1.5
10°-20°	457.3	3.3
20°-30°	653.7	4.7
30°-40°	1118.9	8.1
40°-50°	2019.5	14.6
50°-60°	3453.6	25.0
60°-70°	4250.8	30.7
70°-80°	1607.0	11.6
80°-90°	62.8	0.5
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°	13826.2	100.0
0°-180°	13826.2	100.0

**Coefficient of Utilization**

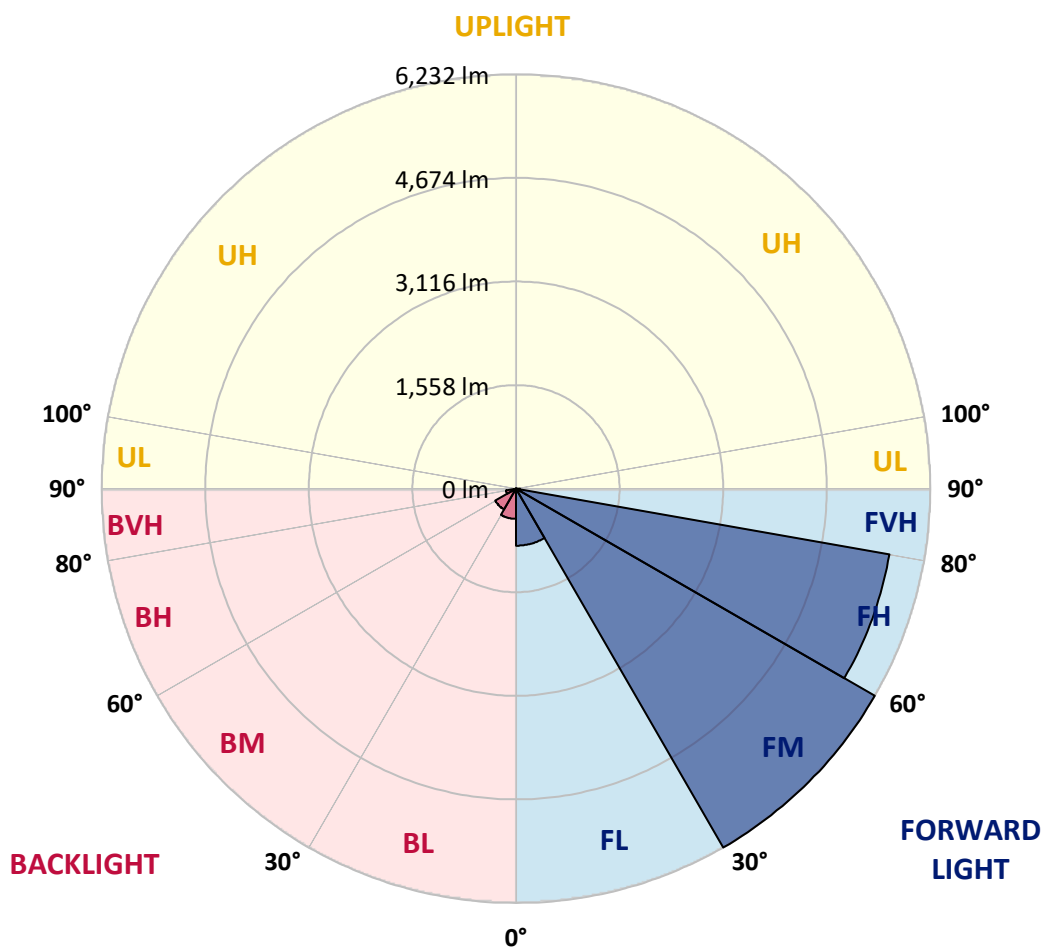


REPORT NUMBER: P482760  
 CATALOG NUMBER: IFLD-S-SA3C-730-U-T3R-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	858.3	6.2			
FM (30°-60°)	6231.8	45.1			
FH (60°-80°)	5703.8	41.3			G3/7500
FVH (80°-90°)	60.3	0.4			G1/100
BL (0°-30°)	455.2	3.3	B1/500		
BM (30°-60°)	360.3	2.6	B1/1000		
BH (60°-80°)	154.0	1.1	B1/500		G1/500
BVH (80°-90°)	2.5	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 III Short





REPORT NUMBER: P482760

CATALOG NUMBER: IFLD-S-SA3C-730-U-T3R-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	2214.5	2214.5	2214.5	2214.5	2214.5	2214.5	2214.5	2214.5	2214.5	2214.5	2214.5
2.5°	2036.9	2018.1	2036.9	2064.1	2078.7	2091.3	2135.1	2172.7	2212.4	2239.6	2231.2
5°	1888.6	1924.1	1928.3	1936.7	1959.6	2034.8	2059.9	2124.7	2222.9	2231.2	2268.8
7.5°	1771.6	1761.2	1788.3	1842.6	1901.1	1945.0	2018.1	2130.9	2233.3	2268.8	2342.0
10°	1602.4	1623.3	1652.5	1706.8	1777.9	1886.5	2016.0	2141.4	2287.6	2300.2	2436.0
12.5°	1510.5	1489.6	1535.5	1591.9	1713.1	1813.4	1972.2	2122.6	2321.1	2390.0	2546.7
15°	1435.3	1445.7	1489.6	1527.2	1627.5	1754.9	1940.8	2168.6	2377.5	2425.5	2663.7
17.5°	1403.9	1397.7	1431.1	1468.7	1591.9	1736.1	1928.3	2170.6	2427.6	2490.3	2743.1
20°	1418.5	1431.1	1420.6	1456.1	1533.4	1679.7	1947.1	2210.3	2465.2	2550.9	2828.7
22.5°	1648.4	1631.6	1548.1	1481.2	1485.4	1656.7	1932.5	2235.4	2498.6	2567.6	2887.2
25°	2247.9	2158.1	1951.3	1694.3	1525.1	1594.0	1915.8	2227.0	2492.4	2578.0	2922.7
27.5°	2851.7	2774.4	2571.8	2172.7	1686.0	1569.0	1857.3	2233.3	2461.0	2540.4	2864.2
30°	3488.9	3530.7	3229.8	2755.6	2108.0	1706.8	1819.7	2199.9	2440.1	2507.0	2876.8
32.5°	4142.8	4126.1	3944.3	3430.4	2711.7	2011.9	1880.2	2233.3	2467.3	2532.1	2949.9
35°	4654.7	4596.2	4412.3	3948.5	3211.0	2471.5	2089.2	2392.1	2586.4	2663.7	3054.4
37.5°	4907.4	4932.5	4826.0	4422.8	3758.4	2897.7	2350.3	2392.1	2624.0	2713.8	3223.6
40°	5103.8	5179.0	5139.3	5009.8	4301.6	3378.2	2638.6	2540.4	2814.1	2983.3	3541.1
42.5°	5339.9	5304.4	5538.4	5419.3	5011.9	3984.0	3144.2	2893.5	3263.3	3426.2	4017.5
45°	5465.3	5601.0	5778.6	5931.1	5670.0	4740.3	3804.4	3518.2	3950.6	4157.4	4725.7
47.5°	5787.0	5841.3	6129.6	6321.8	6204.8	5605.2	4807.2	4431.1	4815.5	5141.4	5536.3
50°	5975.0	5901.9	6305.1	6597.6	6664.4	6321.8	5705.5	5413.0	5843.4	6259.1	6294.7
52.5°	5810.0	6018.9	6422.1	6946.5	7132.4	6961.1	6760.5	6633.1	6936.0	7320.4	7149.1
55°	5231.3	5373.3	6355.2	7328.8	7928.4	7849.0	8034.9	7951.4	8256.4	8663.8	8147.7
57.5°	4765.4	4943.0	5805.8	7527.3	8670.0	8904.0	9138.0	9085.8	9453.5	9923.5	8993.9
60°	4475.0	4577.4	5408.8	7477.1	9108.8	9994.6	10523.1	10155.4	10755.0	11114.4	9656.1
62.5°	3971.5	4036.3	4830.1	6812.8	9240.4	10765.5	11661.7	11162.4	11682.6	12121.3	10132.4
65°	3183.9	3359.4	4015.4	5818.3	8371.3	10907.5	12372.0	11785.0	12288.5	12576.8	10276.6
66°	2897.7	3025.1	3626.8	5291.9	7876.1	10671.4	12252.9	11914.5	12376.2	12639.4	10055.1
67.5°	2404.6	2515.4	2993.8	4541.8	6862.9	10151.2	12336.5	11826.8	12443.1	12282.2	9758.5
70°	1591.9	1663.0	2047.4	3071.1	4780.0	8304.4	11442.4	11141.5	10938.9	10335.1	7629.6
72.5°	743.7	846.1	1278.6	1861.4	2803.7	5810.0	9330.2	8927.0	7671.4	6706.2	4813.4
75°	336.4	382.3	702.0	1067.6	1257.7	3010.5	6018.9	5436.0	3819.0	3171.4	2108.0
77.5°	181.8	206.8	342.6	507.7	457.5	1055.0	2979.1	2477.7	1203.4	881.6	612.1
80°	140.0	165.0	286.2	290.4	169.2	273.7	1107.3	766.7	300.8	227.7	146.2
82.5°	73.1	104.5	225.6	188.0	85.7	110.7	342.6	213.1	94.0	75.2	62.7
85°	29.2	46.0	127.4	125.3	50.1	37.6	96.1	64.8	37.6	31.3	29.2
87.5°	2.1	2.1	68.9	48.1	31.3	10.4	14.6	14.6	18.8	16.7	20.9
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: P482760  
 CATALOG NUMBER: IFLD-S-SA3C-730-U-T3R-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2214.5	2214.5	2214.5	2214.5	2214.5	2214.5	2214.5	2214.5	2214.5	2214.5	2214.5
2.5°	2268.8	2293.9	2298.1	2367.0	2381.6	2367.0	2404.6	2398.4	2415.1	2402.5	2379.6
5°	2321.1	2356.6	2425.5	2477.7	2477.7	2436.0	2402.5	2358.7	2293.9	2277.2	2264.7
7.5°	2410.9	2523.7	2586.4	2553.0	2486.1	2329.4	2112.1	1953.4	1819.7	1769.5	1746.5
10°	2569.7	2632.3	2705.5	2569.7	2291.8	1959.6	1594.0	1353.8	1165.8	1124.0	1092.6
12.5°	2672.0	2772.3	2814.1	2477.7	1932.5	1437.3	1040.4	768.8	637.2	536.9	520.2
15°	2805.7	2920.7	2835.0	2229.1	1523.0	942.2	539.0	336.4	273.7	257.0	257.0
17.5°	2897.7	3023.0	2749.3	1919.9	1080.1	501.4	267.4	231.9	227.7	229.8	225.6
20°	3058.5	3133.7	2619.8	1560.6	645.6	257.0	215.2	206.8	202.6	208.9	204.7
22.5°	3119.1	3188.1	2408.8	1130.2	290.4	171.3	160.9	154.6	158.8	156.7	154.6
25°	3114.9	3150.5	2062.0	647.6	85.7	66.9	60.6	60.6	56.4	58.5	56.4
27.5°	3146.3	3058.5	1673.4	192.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	3163.0	2910.2	1190.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	3171.4	2832.9	766.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	3236.1	2678.3	328.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	3280.0	2479.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	3461.7	2417.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	3697.8	2300.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	4025.8	2126.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	4460.4	2024.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	4784.2	1863.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	5195.8	1767.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	5684.6	1771.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	6129.6	1742.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	6357.3	1489.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	6309.3	1205.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	6142.1	946.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	6027.2	837.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	5678.3	670.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	4518.9	459.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	2874.7	282.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1324.5	129.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	415.7	79.4	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	108.6	50.1	16.7	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	56.4	35.5	14.6	6.3	4.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	35.5	14.6	6.3	4.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	31.3	8.4	4.2	4.2	2.1	0.0	0.0	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)