

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: P483306

Luminaire Tested: **IFLD-S-SA3C-760-U-T4FT-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483306  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3C-760-U-T4FT-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens with House Side Shield  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

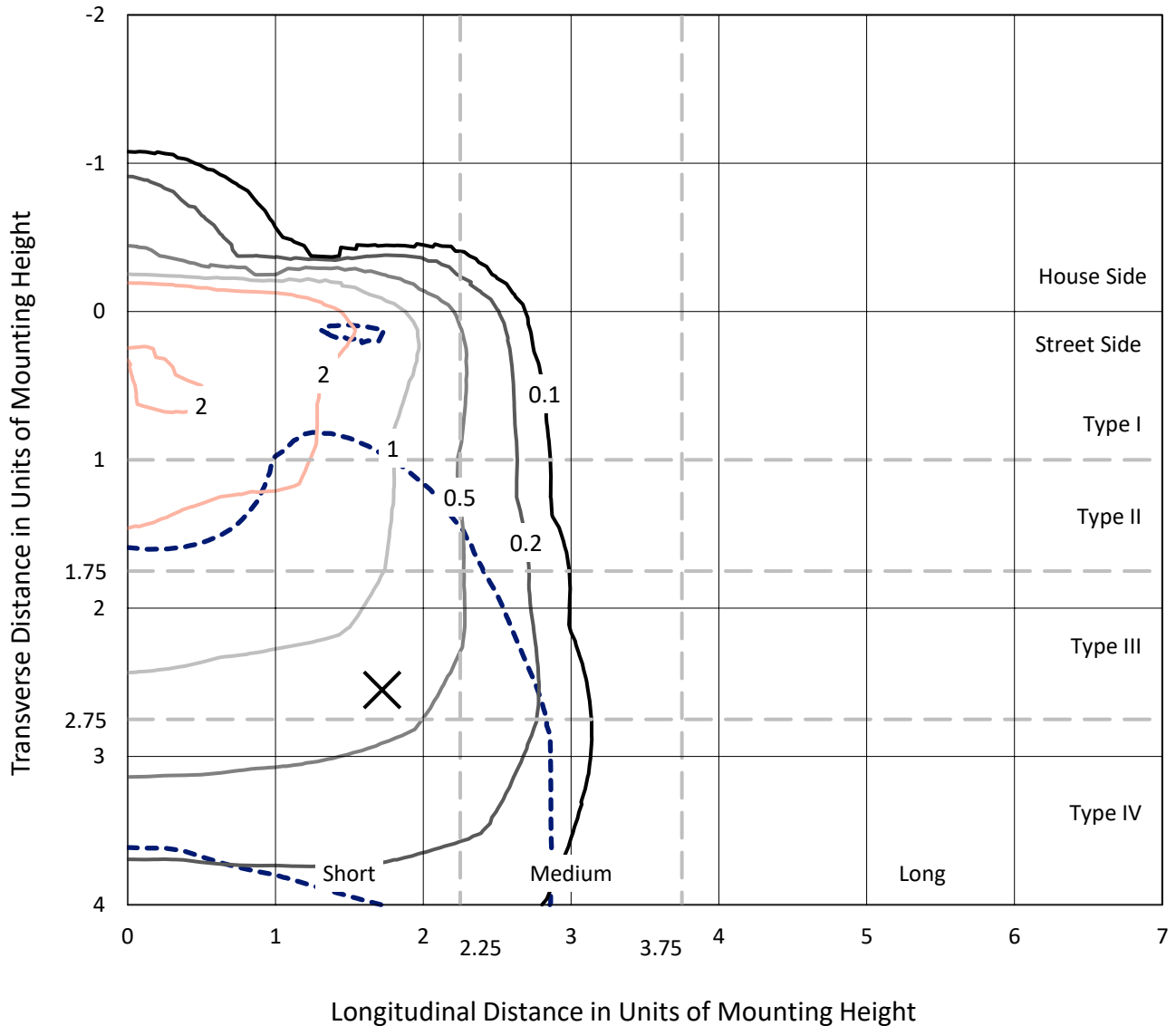
Lumens per Lamp: N/A  
Luminaire Lumens: 15667.2 lumens  
Efficiency: N/A  
Efficacy: 97.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

Input Watts (W): 160.8  
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

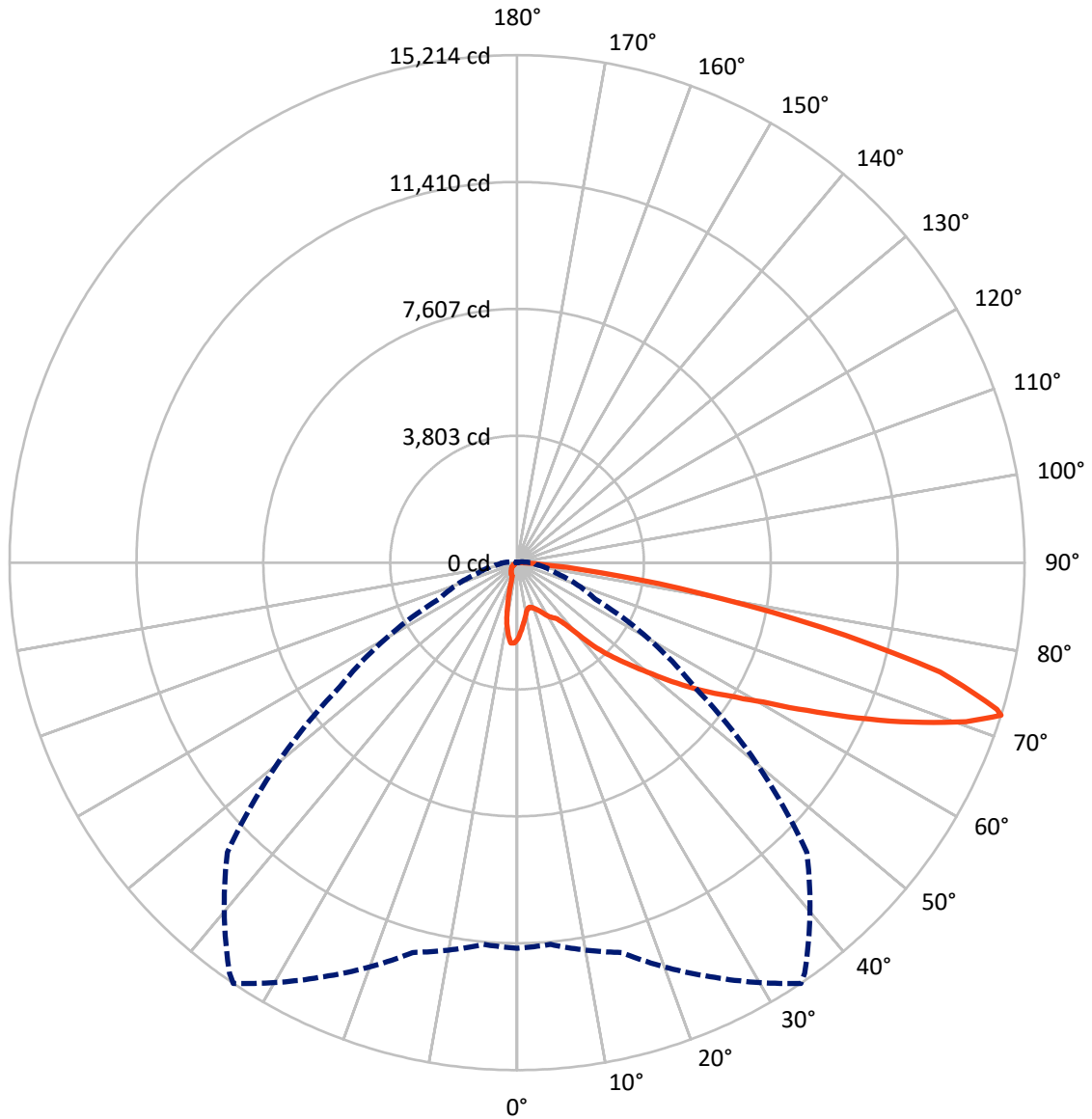
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 34-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1604.0	0.0	1604.0
	% Fixture	10.2	0.0	10.2
<b>Street Side</b>	Lumens	14063.2	0.0	14063.2
	% Fixture	89.8	0.0	89.8
<b>Total</b>	Lumens	15667.2	0.0	15667.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	199.0	1.3
10°-20°	450.5	2.9
20°-30°	679.9	4.3
30°-40°	1103.4	7.0
40°-50°	2074.9	13.2
50°-60°	3392.6	21.7
60°-70°	4509.9	28.8
70°-80°	3020.3	19.3
80°-90°	236.7	1.5
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°	15667.2	100.0
0°-180°	15667.2	100.0



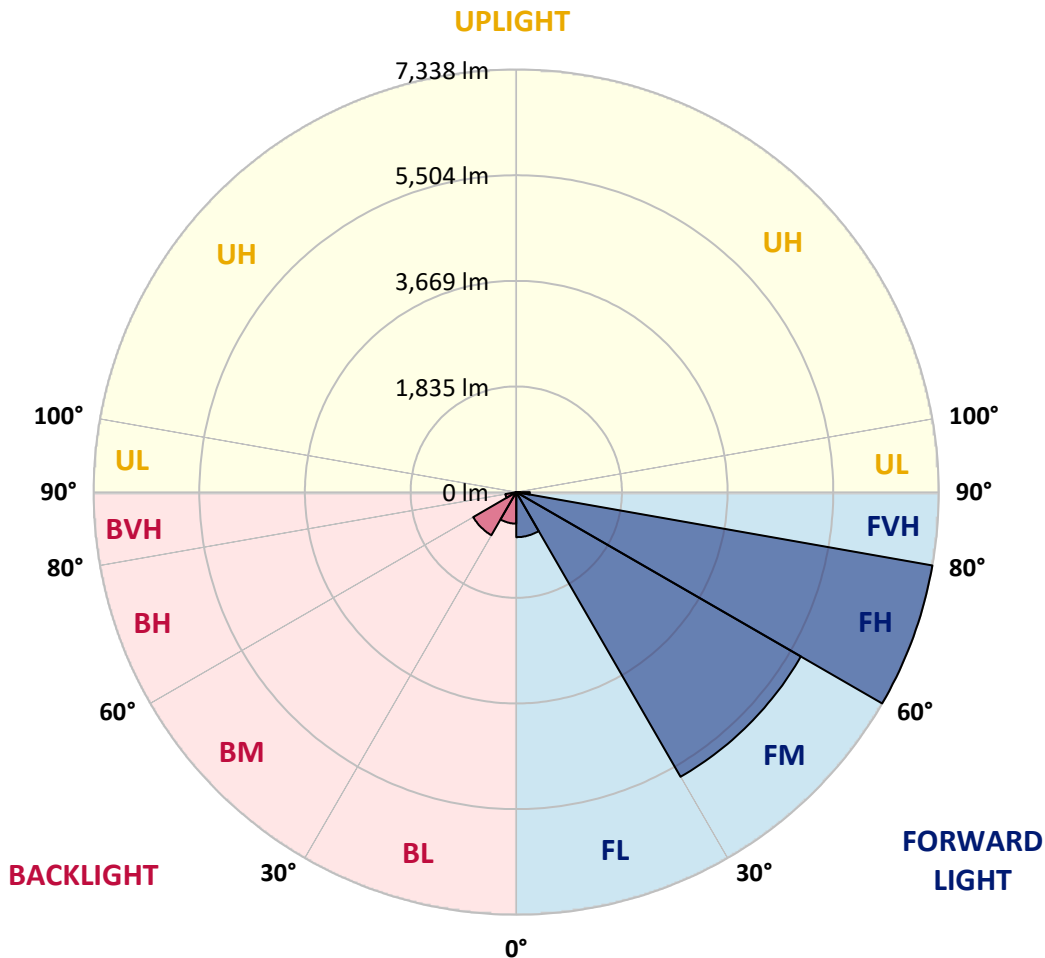
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	782.1	5.0			
FM (30°-60°)	5707.5	36.4			
FH (60°-80°)	7338.4	46.8			G3/7500
FVH (80°-90°)	235.2	1.5			G3/500
BL (0°-30°)	547.3	3.5	B2/1000		
BM (30°-60°)	863.4	5.5	B1/1000		
BH (60°-80°)	191.8	1.2	B1/500		G1/500
BVH (80°-90°)	1.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	2292.1	2292.1	2292.1	2292.1	2292.1	2292.1	2292.1	2292.1	2292.1	2292.1	2292.1
2.5°	2027.1	2022.6	2036.2	2058.8	2081.5	2072.4	2115.5	2160.8	2192.5	2235.5	2287.6
5°	1771.2	1782.5	1796.1	1841.4	1870.8	1877.6	1956.9	2015.8	2113.2	2212.8	2305.7
7.5°	1537.9	1551.5	1578.7	1628.5	1689.6	1705.5	1784.8	1902.5	2029.4	2160.8	2312.5
10°	1368.0	1381.6	1411.1	1442.8	1524.3	1524.3	1633.0	1796.1	1961.4	2115.5	2314.8
12.5°	1331.8	1338.6	1336.3	1361.2	1413.3	1424.6	1531.1	1710.0	1902.5	2099.6	2351.0
15°	1374.8	1379.3	1356.7	1343.1	1388.4	1399.7	1499.4	1657.9	1864.0	2108.7	2409.9
17.5°	1460.9	1445.0	1399.7	1379.3	1417.9	1424.6	1517.5	1655.7	1859.5	2133.6	2477.8
20°	1510.7	1528.8	1449.6	1411.1	1465.4	1474.5	1574.1	1691.9	1882.2	2176.6	2573.0
22.5°	1599.0	1608.1	1501.7	1476.7	1528.8	1528.8	1642.1	1764.4	1936.5	2246.8	2686.2
25°	1723.6	1712.3	1587.7	1562.8	1612.6	1633.0	1746.3	1879.9	2020.3	2312.5	2790.4
27.5°	1821.0	1827.8	1725.9	1660.2	1744.0	1757.6	1879.9	2004.5	2083.7	2366.9	2917.2
30°	1966.0	1952.4	1843.7	1768.9	1873.1	1875.4	1993.1	2122.2	2206.1	2464.3	3107.5
32.5°	2138.1	2110.9	1986.4	1879.9	1963.7	1984.1	2104.1	2292.1	2396.3	2647.7	3401.9
35°	2502.8	2437.1	2233.2	2067.9	2074.7	2083.7	2269.5	2539.0	2659.0	2881.0	3796.0
37.5°	3035.0	3007.8	2776.8	2462.0	2341.9	2314.8	2523.1	2865.1	3014.6	3189.0	4307.9
40°	3562.8	3524.2	3309.1	3071.3	2853.8	2799.5	2903.7	3297.8	3433.6	3617.1	4833.4
42.5°	4149.4	4081.4	3827.7	3635.2	3499.3	3440.4	3399.7	3841.3	3995.4	4119.9	5347.5
45°	4742.8	4631.8	4264.9	4117.7	4045.2	4013.5	4008.9	4525.4	4618.2	4643.1	5918.3
47.5°	5263.7	5143.7	4810.7	4645.4	4591.0	4582.0	4835.6	5313.6	5241.1	5175.4	6554.7
50°	5664.6	5587.6	5347.5	5288.6	5247.9	5232.0	5825.4	6124.4	5789.2	5673.7	7114.2
52.5°	6285.2	6113.1	5841.3	5861.7	6004.4	6006.6	6828.8	6894.5	6244.4	6015.7	7641.9
55°	6781.2	6668.0	6446.0	6416.6	6792.6	6833.3	7728.0	7478.8	6498.1	6341.8	7836.7
57.5°	7365.6	7313.5	7152.7	7157.2	7551.3	7637.4	8527.5	7972.6	6708.8	6552.5	7866.1
60°	8210.4	8060.9	7977.1	8015.6	8479.9	8563.7	9302.1	8328.2	6810.7	6690.6	7793.7
62.5°	9143.6	8969.2	8878.6	9075.6	9752.8	9766.4	9891.0	8643.0	6747.3	6726.9	7327.1
65°	10267.0	10094.8	10022.4	10418.7	11222.8	11173.0	10717.7	8776.6	6545.7	6362.2	6101.7
67.5°	11385.9	11281.7	11132.2	11764.1	12765.2	12765.2	11576.1	8726.8	6017.9	5107.4	3990.8
70°	11915.9	11988.3	12226.1	13218.2	14280.4	14171.7	12423.2	8153.8	4480.1	2742.8	1569.6
72°	11562.5	11487.8	12101.6	13693.8	15213.6	15034.7	12280.5	6482.3	2588.8	1202.7	545.9
72.5°	10955.5	11025.7	11870.6	13628.1	15039.2	15186.4	11931.7	5979.4	2129.0	958.1	412.2
75°	6717.8	6837.9	8860.4	11571.6	13104.9	12939.6	9229.6	2849.3	817.6	407.7	147.2
77.5°	2452.9	2552.6	4298.9	7281.8	9320.2	9216.0	5340.7	1012.4	443.9	303.5	74.7
80°	638.7	690.8	1460.9	3358.9	5481.2	5488.0	2235.5	405.4	301.2	249.1	45.3
82.5°	126.8	140.4	448.5	1306.9	2561.6	2527.7	706.7	217.4	226.5	203.8	31.7
85°	15.9	20.4	95.1	443.9	829.0	742.9	174.4	108.7	167.6	158.5	20.4
87.5°	2.3	2.3	22.6	101.9	174.4	169.9	36.2	34.0	74.7	97.4	11.3
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°	2292.1	2292.1	2292.1	2292.1	2292.1	2292.1	2292.1	2292.1	2292.1	2292.1	2292.1
2.5°	2317.0	2326.1	2357.8	2385.0	2416.7	2425.8	2412.2	2434.8	2403.1	2421.2	2425.8
5°	2321.6	2373.7	2432.5	2471.1	2462.0	2439.3	2421.2	2360.1	2317.0	2301.2	2335.2
7.5°	2353.3	2412.2	2475.6	2475.6	2425.8	2308.0	2194.7	2086.0	1995.4	1950.1	1988.6
10°	2394.0	2455.2	2520.9	2434.8	2249.1	2033.9	1873.1	1669.3	1531.1	1458.6	1465.4
12.5°	2448.4	2534.5	2557.1	2357.8	2049.8	1730.4	1438.2	1155.1	1023.8	919.6	921.8
15°	2518.6	2602.4	2534.5	2190.2	1796.1	1325.0	973.9	704.4	600.2	545.9	545.9
17.5°	2611.5	2674.9	2527.7	2036.2	1454.1	906.0	597.9	475.6	453.0	443.9	443.9
20°	2720.2	2767.8	2462.0	1796.1	1080.4	582.1	439.4	425.8	428.1	423.5	423.5
22.5°	2842.5	2858.4	2387.2	1517.5	731.6	430.3	410.0	412.2	414.5	410.0	412.2
25°	2971.6	2928.6	2278.5	1191.4	487.0	391.8	396.4	400.9	403.2	405.4	405.4
27.5°	3116.6	3030.5	2126.8	872.0	380.5	369.2	382.8	396.4	398.6	398.6	396.4
30°	3329.5	3186.8	1979.6	591.1	335.2	344.3	366.9	382.8	394.1	394.1	391.8
32.5°	3599.0	3349.8	1773.4	403.2	310.3	314.8	332.9	364.7	389.6	391.8	385.0
35°	3972.7	3546.9	1558.3	321.6	292.2	294.4	305.8	330.7	373.7	387.3	385.0
37.5°	4366.8	3771.1	1291.0	289.9	278.6	276.3	283.1	303.5	342.0	376.0	378.2
40°	4785.8	4006.7	1010.2	274.1	267.3	262.7	265.0	274.1	303.5	346.5	355.6
42.5°	5179.9	4219.6	758.8	258.2	255.9	251.4	251.4	253.7	269.5	299.0	303.5
45°	5605.7	4394.0	577.6	246.9	240.1	242.3	233.3	228.8	240.1	242.3	240.1
47.5°	6004.4	4568.4	462.0	233.3	226.5	226.5	215.2	206.1	206.1	185.7	183.5
50°	6378.1	4663.5	369.2	215.2	212.9	210.6	194.8	178.9	165.3	140.4	135.9
52.5°	6688.4	4659.0	285.4	192.5	199.3	192.5	167.6	145.0	124.6	101.9	97.4
55°	6781.2	4441.5	215.2	158.5	169.9	160.8	133.6	113.2	90.6	72.5	70.2
57.5°	6702.0	4110.9	163.1	122.3	131.4	122.3	101.9	83.8	63.4	49.8	45.3
60°	6437.0	3723.6	126.8	95.1	99.7	92.9	77.0	63.4	45.3	31.7	27.2
62.5°	5934.1	3238.9	97.4	74.7	72.5	72.5	58.9	47.6	31.7	18.1	15.9
65°	4869.6	2525.4	74.7	52.1	52.1	52.1	45.3	34.0	20.4	9.1	4.5
67.5°	3057.7	1469.9	61.2	40.8	38.5	38.5	31.7	22.6	11.3	2.3	0.0
70°	1150.6	539.1	47.6	31.7	29.4	29.4	22.6	13.6	6.8	0.0	0.0
72°	396.4	206.1	38.5	22.6	22.6	20.4	15.9	11.3	4.5	0.0	0.0
72.5°	326.2	165.3	36.2	22.6	20.4	20.4	15.9	11.3	4.5	0.0	0.0
75°	117.8	67.9	24.9	15.9	13.6	13.6	11.3	6.8	2.3	0.0	0.0
77.5°	58.9	43.0	20.4	13.6	11.3	6.8	6.8	4.5	2.3	0.0	0.0
80°	36.2	27.2	11.3	9.1	6.8	4.5	2.3	2.3	0.0	0.0	0.0
82.5°	24.9	15.9	6.8	6.8	4.5	2.3	0.0	0.0	0.0	0.0	0.0
85°	15.9	6.8	4.5	4.5	2.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.8	4.5	2.3	0.0	0.0	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)