

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: P484002

Luminaire Tested: **IFLD-S-SA2B-740-U-SL2-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P484002  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2B-740-U-SL2-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens with House Side Shield  
Light Source: (32) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

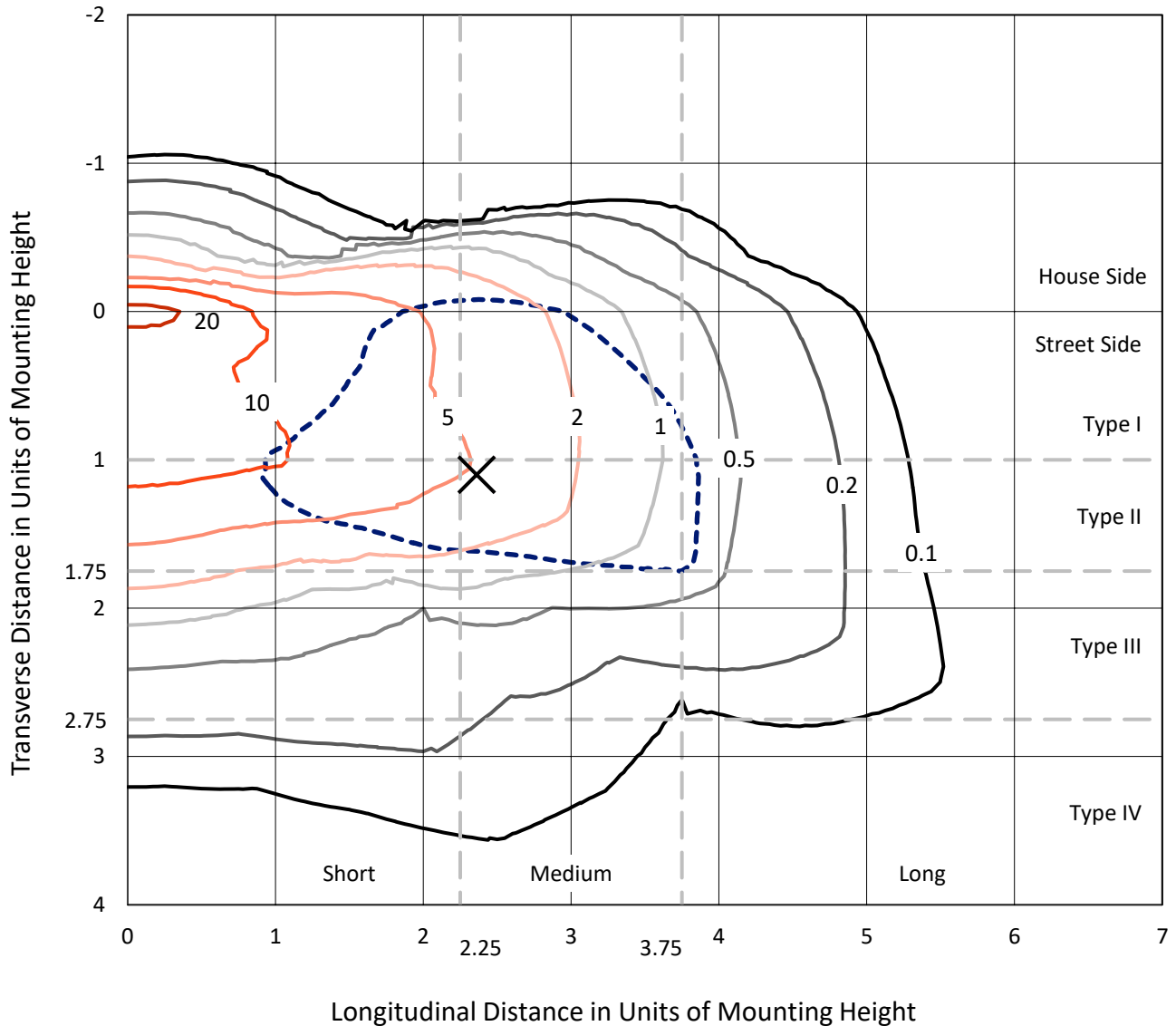
Lumens per Lamp: N/A  
Luminaire Lumens: 9397.4 lumens  
Efficiency: N/A  
Efficacy: 114.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 82.4  
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: P484002  
 CATALOG NUMBER: IFLD-S-SA2B-740-U-SL2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

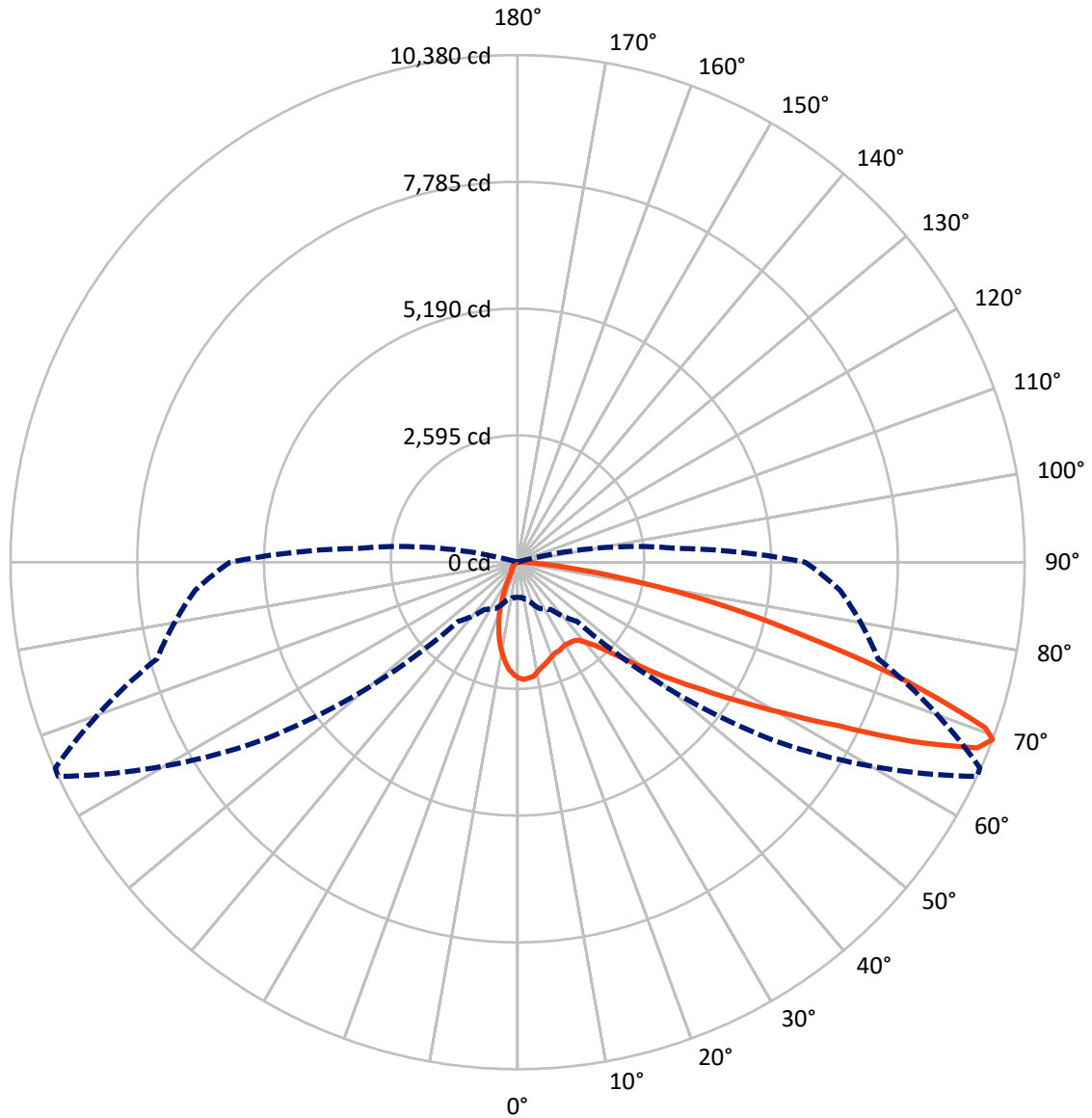
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.7 fc  
 Type II - Medium - N/A

REPORT NUMBER: P484002  
CATALOG NUMBER: IFLD-S-SA2B-740-U-SL2-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P484002  
 CATALOG NUMBER: IFLD-S-SA2B-740-U-SL2-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1140.0	0.0	1140.0
	% Fixture	12.1	0.0	12.1
<b>Street Side</b>	Lumens	8257.5	0.0	8257.5
	% Fixture	87.9	0.0	87.9
<b>Total</b>	Lumens	9397.4	0.0	9397.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	193.9	2.1
10°-20°	424.2	4.5
20°-30°	590.6	6.3
30°-40°	837.0	8.9
40°-50°	1319.0	14.0
50°-60°	2140.3	22.8
60°-70°	2390.3	25.4
70°-80°	1346.0	14.3
80°-90°	156.2	1.7
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°	9397.4	100.0
0°-180°	9397.4	100.0



REPORT NUMBER: P484002

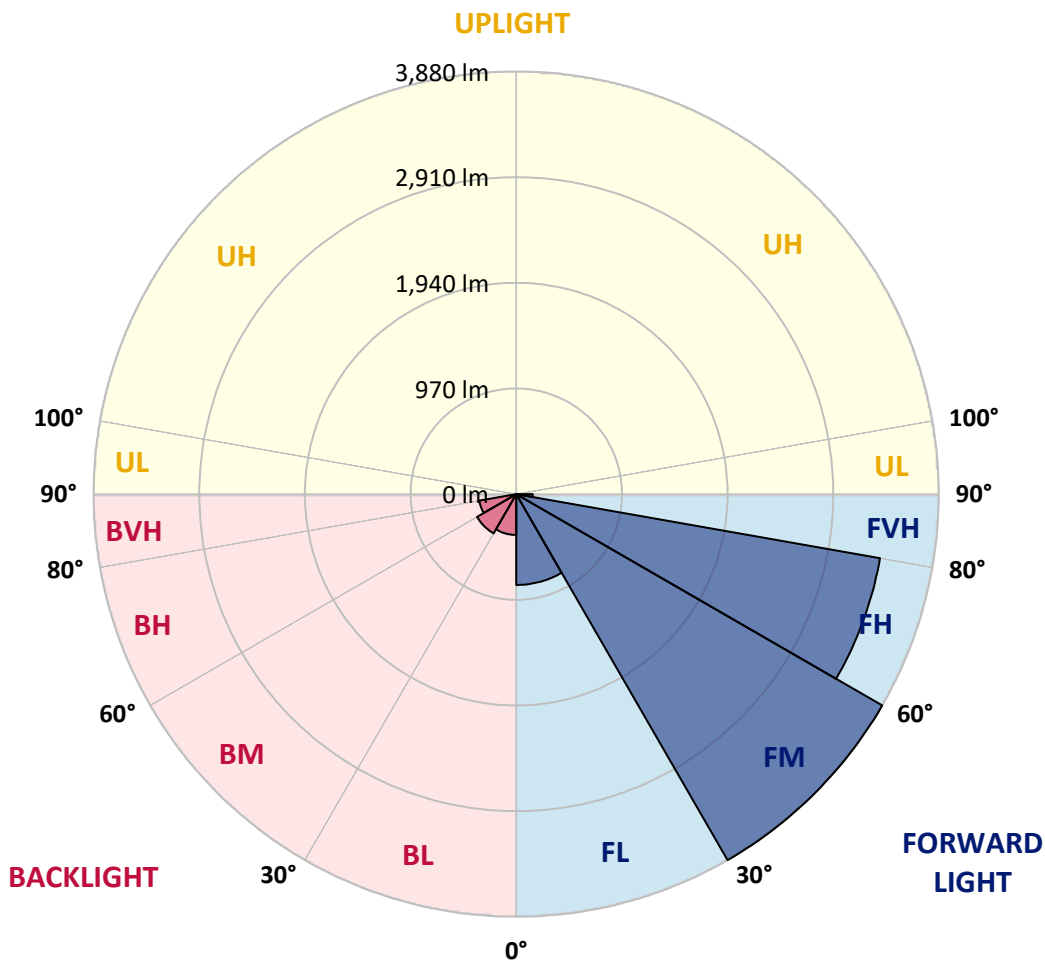
CATALOG NUMBER: IFLD-S-SA2B-740-U-SL2-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	833.9	8.9			
FM (30°-60°)	3880.3	41.3			
FH (60°-80°)	3391.4	36.1			G2/5000
FVH (80°-90°)	151.9	1.6			G2/225
BL (0°-30°)	374.8	4.0	B1/500		
BM (30°-60°)	416.0	4.4	B1/1000		
BH (60°-80°)	344.9	3.7	B1/500		G1/500
BVH (80°-90°)	4.3	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 Medium





REPORT NUMBER: P484002

CATALOG NUMBER: IFLD-S-SA2B-740-U-SL2-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2369.3	2369.3	2369.3	2369.3	2369.3	2369.3	2369.3	2369.3	2369.3	2369.3	2369.3
2.5°	2281.8	2299.6	2304.7	2322.4	2331.3	2369.3	2390.9	2403.5	2397.2	2411.1	2412.4
5°	2119.6	2109.4	2136.1	2155.1	2195.6	2261.6	2328.7	2380.7	2404.8	2427.6	2423.8
7.5°	1945.9	1940.8	1967.5	2010.6	2047.3	2127.2	2234.9	2363.0	2357.9	2413.7	2430.2
10°	1826.7	1831.8	1840.7	1883.8	1938.3	2019.4	2153.8	2273.0	2299.6	2417.5	2450.4
12.5°	1717.7	1726.6	1743.1	1787.4	1850.8	1934.5	2065.1	2204.5	2245.1	2395.9	2461.8
15°	1682.2	1661.9	1694.9	1727.9	1793.8	1868.6	1978.9	2152.5	2170.3	2370.6	2480.9
17.5°	1653.1	1640.4	1655.6	1682.2	1751.9	1812.8	1916.7	2096.8	2129.7	2360.4	2478.3
20°	1661.9	1650.5	1656.9	1677.2	1708.8	1765.9	1862.2	2043.5	2079.0	2313.5	2474.5
22.5°	1687.3	1696.2	1684.8	1689.8	1700.0	1729.1	1833.1	2005.5	2035.9	2304.7	2496.1
25°	1801.4	1786.2	1771.0	1764.6	1705.0	1717.7	1824.2	2002.9	2024.5	2273.0	2478.3
27.5°	1920.5	1907.9	1901.5	1864.8	1783.6	1745.6	1825.5	1967.5	1996.6	2260.3	2456.8
30°	2065.1	2081.5	2056.2	2011.8	1899.0	1805.2	1839.4	1949.7	1990.3	2212.1	2442.8
32.5°	2217.2	2226.1	2238.7	2205.8	2060.0	1895.2	1881.2	1966.2	1968.7	2212.1	2411.1
35°	2389.6	2376.9	2409.9	2412.4	2284.4	2054.9	1961.1	1977.6	2004.2	2202.0	2399.7
37.5°	2537.9	2559.5	2597.5	2658.3	2526.5	2280.6	2085.3	2030.8	2042.2	2248.9	2408.6
40°	2700.2	2721.7	2807.9	2868.8	2794.0	2534.1	2274.2	2155.1	2163.9	2318.6	2454.2
42.5°	2878.9	2920.8	3023.4	3129.9	3109.6	2856.1	2517.6	2337.6	2333.8	2492.3	2548.1
45°	3121.0	3176.8	3288.4	3411.3	3429.1	3225.0	2842.2	2610.2	2622.8	2719.2	2742.0
47.5°	3458.3	3455.7	3564.7	3701.6	3804.3	3607.8	3230.1	2976.5	2975.3	3077.9	3029.8
50°	3784.0	3785.3	3814.5	3972.9	4239.1	4139.0	3710.5	3463.3	3449.4	3500.1	3422.8
52.5°	3934.9	3917.2	3895.6	4087.0	4573.8	4808.3	4319.0	4014.8	4003.4	3972.9	3952.7
55°	3776.4	3782.8	3781.5	3980.5	4750.0	5514.4	5099.9	4622.0	4603.0	4507.9	4535.8
57.5°	3268.1	3247.8	3292.2	3602.8	4548.5	5996.2	6216.7	5387.7	5338.2	5022.6	4959.2
60°	2432.7	2439.0	2475.8	2842.2	4047.7	6097.6	7285.4	6286.5	6073.5	5385.1	5297.7
62.5°	1698.7	1686.0	1700.0	1905.3	2894.1	5691.9	8008.0	7379.2	7173.8	5797.1	5746.4
65°	1215.7	1199.2	1255.0	1380.5	1738.0	4352.0	8110.7	8834.5	8650.7	6455.1	6333.4
67.5°	874.7	872.2	936.8	1165.0	1234.7	2506.2	7350.1	10152.9	10041.4	7236.0	6690.9
69°	723.8	725.1	787.2	1043.3	1178.9	1711.4	6324.5	10379.8	10359.5	7639.1	6623.7
70°	631.3	636.4	708.6	971.0	1156.1	1407.1	5452.3	10156.7	10136.4	7717.7	6401.8
72.5°	389.2	393.0	488.1	778.4	1099.1	1148.5	3260.5	8309.7	8379.4	7357.7	5515.7
75°	186.4	187.6	256.1	562.9	1059.8	1088.9	1746.9	6131.8	6278.9	5940.4	4310.1
77.5°	98.9	98.9	123.0	299.2	858.2	1024.3	1037.0	4325.4	4447.0	3756.2	2450.4
80°	49.4	50.7	74.8	155.9	532.4	1004.0	810.1	2579.7	2645.7	1532.6	763.1
82.5°	19.0	20.3	35.5	93.8	276.4	848.1	711.2	1269.0	1252.5	358.8	186.4
85°	2.5	2.5	12.7	55.8	117.9	374.0	586.9	529.9	512.1	78.6	90.0
87.5°	0.0	0.0	2.5	16.5	35.5	109.0	226.9	145.8	162.3	21.6	44.4
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: P484002

CATALOG NUMBER: IFLD-S-SA2B-740-U-SL2-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2369.3	2369.3	2369.3	2369.3	2369.3	2369.3	2369.3	2369.3	2369.3	2369.3	2369.3
2.5°	2406.1	2379.5	2338.9	2299.6	2257.8	2207.0	2151.3	2131.0	2095.5	2093.0	2113.2
5°	2403.5	2360.4	2289.4	2205.8	2086.6	1996.6	1899.0	1828.0	1773.5	1738.0	1746.9
7.5°	2416.2	2364.2	2241.3	2061.3	1907.9	1729.1	1578.3	1474.3	1379.2	1332.3	1327.3
10°	2395.9	2326.2	2146.2	1893.9	1668.3	1418.5	1198.0	1058.5	916.5	864.6	867.1
12.5°	2407.3	2309.7	2043.5	1721.5	1410.9	1086.4	822.7	632.6	499.5	456.4	451.3
15°	2414.9	2274.2	1944.6	1514.9	1125.7	740.3	476.7	358.8	316.9	309.3	308.0
17.5°	2385.8	2231.1	1805.2	1310.8	834.1	450.0	316.9	292.8	285.2	280.2	277.6
20°	2384.5	2205.8	1684.8	1101.6	556.5	306.8	273.8	264.9	253.5	249.7	249.7
22.5°	2363.0	2152.5	1540.2	872.2	355.0	263.7	245.9	232.0	219.3	214.2	213.0
25°	2356.6	2090.4	1404.6	655.4	270.0	235.8	218.0	197.8	182.5	174.9	171.1
27.5°	2338.9	2037.2	1267.7	461.4	235.8	210.4	187.6	166.1	148.3	136.9	135.6
30°	2275.5	1981.4	1115.6	319.5	214.2	186.4	161.0	135.6	117.9	110.3	107.8
32.5°	2248.9	1929.4	949.5	245.9	195.2	164.8	135.6	112.8	98.9	91.3	90.0
35°	2217.2	1853.4	788.5	214.2	177.5	143.2	114.1	95.1	83.7	77.3	77.3
37.5°	2221.0	1792.5	637.6	194.0	158.5	123.0	97.6	81.1	71.0	64.7	64.7
40°	2209.6	1744.3	495.7	176.2	140.7	105.2	82.4	68.5	59.6	53.2	52.0
42.5°	2261.6	1731.7	374.0	161.0	123.0	90.0	71.0	58.3	49.4	41.8	41.8
45°	2349.0	1751.9	291.6	147.1	105.2	77.3	60.8	48.2	39.3	34.2	33.0
47.5°	2582.3	1831.8	228.2	135.6	90.0	67.2	50.7	39.3	31.7	26.6	25.4
50°	2920.8	2010.6	194.0	119.2	76.1	57.0	41.8	30.4	25.4	20.3	19.0
52.5°	3402.5	2311.0	176.2	105.2	63.4	46.9	33.0	24.1	19.0	15.2	13.9
55°	3927.3	2686.2	159.7	88.7	53.2	38.0	26.6	19.0	13.9	10.1	8.9
57.5°	4336.8	3010.8	145.8	73.5	43.1	30.4	20.3	13.9	10.1	6.3	5.1
60°	4784.3	3238.9	128.0	58.3	35.5	22.8	15.2	10.1	7.6	3.8	3.8
62.5°	5245.7	3506.4	105.2	45.6	27.9	17.7	11.4	7.6	5.1	1.3	1.3
65°	5887.1	3715.6	81.1	35.5	21.6	12.7	8.9	6.3	2.5	0.0	0.0
67.5°	6068.4	3612.9	59.6	27.9	15.2	8.9	6.3	3.8	1.3	0.0	0.0
69°	5887.1	3254.2	52.0	24.1	12.7	7.6	5.1	2.5	1.3	0.0	0.0
70°	5556.3	2975.3	45.6	20.3	11.4	7.6	3.8	2.5	1.3	0.0	0.0
72.5°	4647.3	2281.8	35.5	15.2	8.9	6.3	3.8	2.5	0.0	0.0	0.0
75°	3408.8	1409.7	26.6	11.4	7.6	5.1	3.8	2.5	0.0	0.0	0.0
77.5°	1826.7	514.7	19.0	7.6	5.1	3.8	3.8	2.5	0.0	0.0	0.0
80°	500.7	152.1	13.9	5.1	3.8	2.5	2.5	1.3	0.0	0.0	0.0
82.5°	136.9	39.3	8.9	5.1	3.8	2.5	1.3	0.0	0.0	0.0	0.0
85°	73.5	15.2	5.1	3.8	2.5	1.3	0.0	0.0	0.0	0.0	0.0
87.5°	38.0	5.1	3.8	2.5	2.5	1.3	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)