

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: P484631

Luminaire Tested: **IFLD-S-SA3B-722-U-SL4-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P484631  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3B-722-U-SL4-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL4 distribution lens with House Side Shield  
Light Source: (48) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

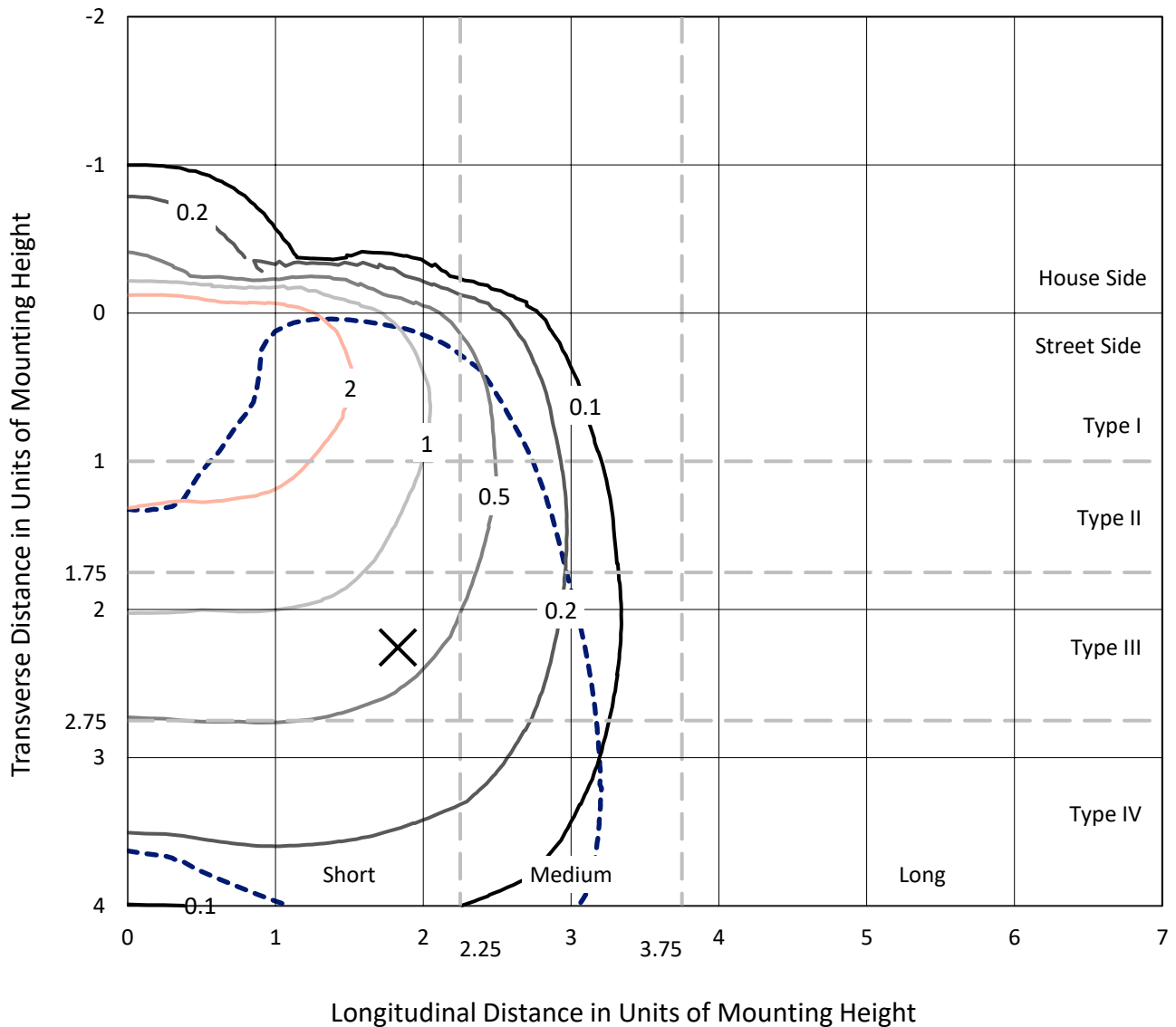
Lumens per Lamp: N/A  
Luminaire Lumens: 10354.5 lumens  
Efficiency: N/A  
Efficacy: 84.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 122.4  
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

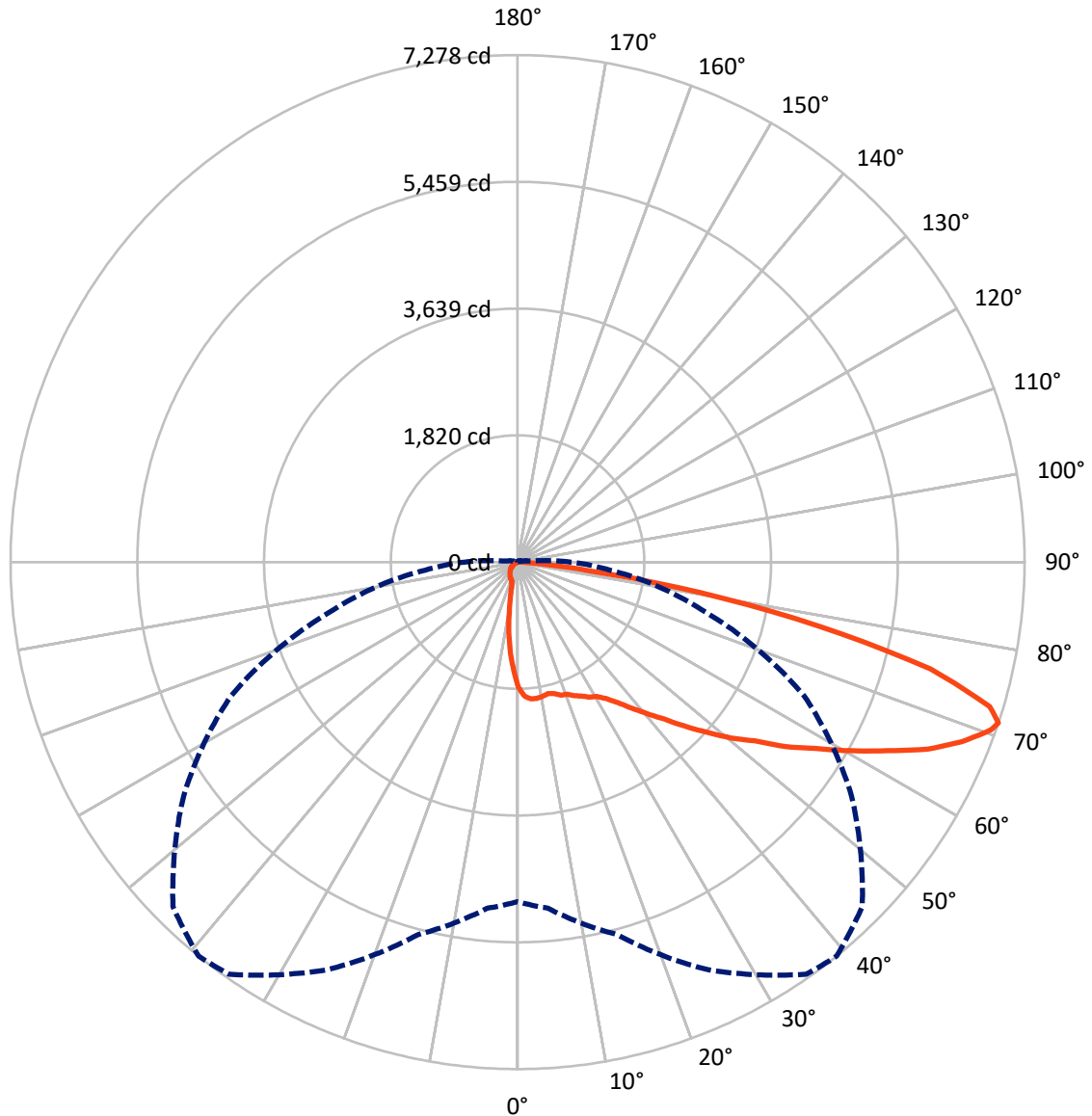
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.9 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	779.5	0.0	779.5
	% Fixture	7.5	0.0	7.5
<b>Street Side</b>	Lumens	9574.9	0.0	9574.9
	% Fixture	92.5	0.0	92.5
<b>Total</b>	Lumens	10354.5	0.0	10354.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.7	1.5
10°-20°	370.9	3.6
20°-30°	595.4	5.8
30°-40°	911.4	8.8
40°-50°	1462.9	14.1
50°-60°	2148.8	20.8
60°-70°	2706.4	26.1
70°-80°	1806.2	17.4
80°-90°	201.8	1.9
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°	10354.5	100.0
0°-180°	10354.5	100.0

**Coefficient of Utilization**

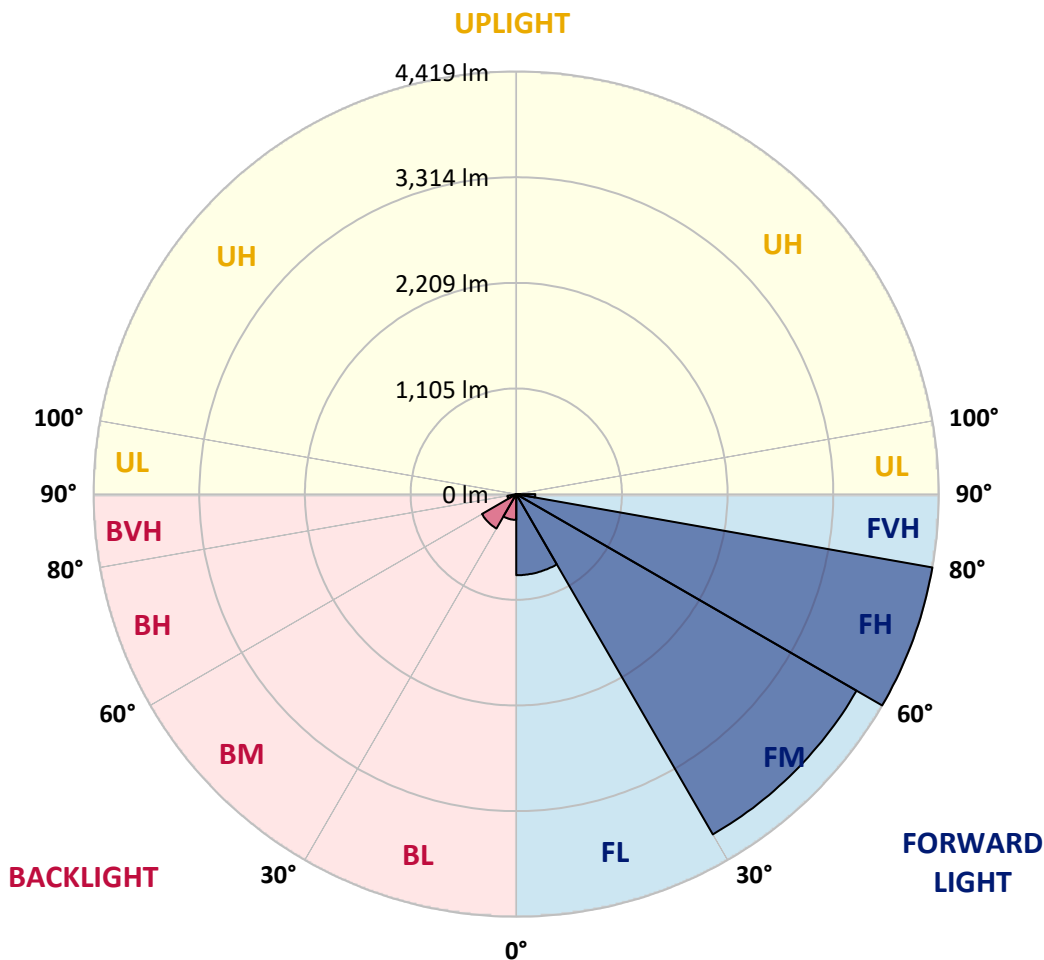


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	847.8	8.2			
FM (30°-60°)	4108.8	39.7			
FH (60°-80°)	4418.7	42.7			G2/5000
FVH (80°-90°)	199.6	1.9			G2/225
BL (0°-30°)	269.1	2.6	B1/500		
BM (30°-60°)	414.4	4.0	B1/1000		
BH (60°-80°)	93.8	0.9	B0/110		G0/110
BVH (80°-90°)	2.2	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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	1802.3	1802.3	1802.3	1802.3	1802.3	1802.3	1802.3	1802.3	1802.3	1802.3	1802.3
2.5°	1942.1	1961.2	1942.1	1934.0	1925.9	1927.2	1905.5	1909.6	1883.7	1849.8	1822.6
5°	2003.3	2029.1	2008.7	1999.2	1997.8	1972.0	1961.2	1935.4	1904.1	1851.2	1818.6
7.5°	1997.8	1992.4	2001.9	1993.8	1976.1	1976.1	1963.9	1927.2	1896.0	1836.2	1780.5
10°	1957.1	1973.4	1965.2	1955.7	1959.8	1961.2	1938.1	1912.3	1902.8	1843.0	1752.0
12.5°	1953.0	1925.9	1955.7	1957.1	1939.4	1938.1	1935.4	1928.6	1898.7	1844.4	1758.8
15°	1939.4	1928.6	1958.4	1959.8	1963.9	1959.8	1963.9	1958.4	1928.6	1897.3	1788.7
17.5°	1950.3	1938.1	1980.2	2000.5	1991.0	2010.1	2003.3	1978.8	1953.0	1916.3	1817.2
20°	1953.0	1970.7	2016.8	2025.0	2054.9	2023.6	2022.3	1996.5	1980.2	1940.8	1834.9
22.5°	2003.3	2011.4	2068.5	2086.1	2087.5	2083.4	2049.4	2019.6	2012.8	1963.9	1838.9
25°	2079.3	2107.8	2133.6	2144.5	2148.6	2129.6	2094.3	2056.2	2039.9	2008.7	1881.0
27.5°	2213.8	2196.1	2219.2	2235.5	2189.3	2196.1	2151.3	2118.7	2095.6	2068.5	1929.9
30°	2333.3	2317.0	2318.4	2315.6	2276.3	2239.6	2227.4	2170.3	2141.8	2152.7	2006.0
32.5°	2440.6	2405.3	2435.2	2421.6	2348.2	2337.4	2327.9	2255.9	2261.3	2311.6	2120.1
35°	2539.7	2527.5	2552.0	2527.5	2478.6	2475.9	2466.4	2403.9	2433.8	2505.8	2315.6
37.5°	2630.7	2634.8	2664.7	2652.5	2656.5	2659.3	2653.8	2587.3	2672.8	2834.5	2543.8
40°	2714.9	2709.5	2782.8	2820.9	2829.0	2858.9	2858.9	2842.6	2974.3	3156.3	2860.3
42.5°	2804.6	2818.2	2913.2	2977.1	3054.5	3080.3	3115.6	3123.7	3327.5	3535.3	3183.5
45°	2951.3	2928.2	3049.0	3199.8	3267.7	3358.7	3413.0	3459.2	3705.0	3990.2	3506.7
47.5°	3137.3	3091.1	3197.1	3415.7	3573.3	3648.0	3745.8	3806.9	4047.3	4342.0	3812.3
50°	3343.8	3296.2	3347.8	3649.3	3832.7	3968.5	4093.5	4170.9	4461.5	4735.9	4035.1
52.5°	3577.4	3533.9	3542.0	3892.4	4162.7	4261.9	4426.2	4541.6	4830.9	4973.5	4113.8
55°	3825.9	3815.0	3789.2	4130.1	4452.0	4674.7	4773.9	4912.4	5209.8	5102.6	4199.4
57.5°	4075.8	4041.8	4078.5	4445.2	4916.5	5049.6	5186.8	5269.6	5420.4	5215.3	4166.8
60°	4310.8	4313.5	4365.1	4787.5	5311.7	5500.5	5624.1	5573.8	5636.3	5264.2	4092.1
62.5°	4509.0	4503.6	4634.0	5171.8	5834.6	5962.3	6054.6	5830.5	5736.8	5311.7	3961.7
65°	4687.0	4748.1	4953.2	5629.5	6326.2	6472.9	6417.2	6073.6	5834.6	5171.8	3595.0
67.5°	4821.4	4912.4	5268.2	6060.0	6777.2	6880.4	6803.0	6258.3	5719.2	4623.1	2928.2
70°	4900.2	4992.5	5493.7	6418.6	7137.1	7211.8	7029.8	6115.7	5045.5	3347.8	1826.7
71°	4875.7	4988.5	5537.2	6456.6	7222.6	7278.3	6995.8	5852.3	4537.6	2803.2	1332.3
72.5°	4654.4	4760.3	5356.5	6429.5	7119.4	7085.4	6731.0	5219.4	3571.9	1787.3	688.6
75°	3419.8	3533.9	4597.3	5561.6	6354.8	6121.2	5447.5	3662.9	1863.4	547.3	201.0
77.5°	1703.1	1722.1	2853.5	4037.8	4661.2	4428.9	3650.7	2042.7	696.7	161.6	100.5
80°	785.0	790.4	1070.2	2091.5	2818.2	2652.5	2045.4	1007.7	315.1	85.6	78.8
82.5°	535.1	543.3	645.1	866.5	1223.7	1032.2	828.5	645.1	180.6	51.6	77.4
85°	97.8	89.6	361.3	459.1	472.6	320.5	286.6	558.2	67.9	29.9	67.9
87.5°	0.0	1.4	50.3	187.4	168.4	74.7	97.8	135.8	6.8	9.5	12.2
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°	1802.3	1802.3	1802.3	1802.3	1802.3	1802.3	1802.3	1802.3	1802.3	1802.3	1802.3
2.5°	1799.5	1784.6	1734.4	1678.7	1628.4	1589.0	1538.8	1515.7	1479.0	1458.6	1457.3
5°	1773.7	1733.0	1646.1	1552.4	1447.8	1360.9	1264.4	1210.1	1147.6	1128.6	1124.5
7.5°	1730.3	1671.9	1544.2	1412.5	1252.2	1098.7	980.6	854.3	776.9	744.3	732.0
10°	1703.1	1632.5	1458.6	1261.7	1037.6	821.7	656.0	521.5	450.9	417.0	408.8
12.5°	1703.1	1627.1	1389.4	1117.8	820.3	562.3	406.1	328.7	305.6	297.4	297.4
15°	1699.0	1616.2	1322.8	969.7	607.1	377.6	302.9	286.6	283.9	282.5	281.1
17.5°	1719.4	1597.2	1254.9	810.8	429.2	297.4	278.4	275.7	273.0	273.0	270.3
20°	1734.4	1586.3	1173.4	642.4	320.5	275.7	267.6	263.5	262.1	260.8	263.5
22.5°	1722.1	1570.0	1072.9	480.8	279.8	262.1	256.7	252.6	249.9	249.9	251.3
25°	1745.2	1555.1	972.4	362.6	262.1	249.9	244.5	241.8	240.4	239.0	236.3
27.5°	1776.5	1561.9	852.9	292.0	247.2	237.7	232.2	229.5	228.2	225.5	228.2
30°	1814.5	1560.5	721.2	255.3	233.6	224.1	218.7	217.3	214.6	213.2	214.6
32.5°	1879.7	1595.8	585.4	236.3	218.7	210.5	205.1	203.7	202.4	201.0	199.6
35°	2019.6	1639.3	457.7	221.4	205.1	195.6	191.5	188.8	187.4	186.1	184.7
37.5°	2192.0	1735.7	349.0	207.8	191.5	182.0	177.9	176.6	171.1	169.8	168.4
40°	2408.0	1838.9	268.9	192.9	179.3	169.8	165.7	161.6	154.8	152.1	149.4
42.5°	2676.9	1939.4	221.4	179.3	165.7	158.9	152.1	145.3	139.9	134.5	131.7
45°	2945.8	2056.2	194.2	167.1	154.8	146.7	141.2	131.7	122.2	114.1	112.7
47.5°	3169.9	2098.3	177.9	153.5	144.0	137.2	129.0	116.8	103.2	95.1	93.7
50°	3337.0	2073.9	161.6	139.9	131.7	124.9	114.1	99.1	85.6	77.4	74.7
52.5°	3369.6	1966.6	146.7	129.0	119.5	111.4	99.1	82.8	67.9	59.8	58.4
55°	3346.5	1788.7	134.5	119.5	108.7	96.4	82.8	66.5	53.0	44.8	43.5
57.5°	3298.9	1578.2	120.9	107.3	95.1	82.8	67.9	54.3	39.4	31.2	31.2
60°	3137.3	1291.6	107.3	93.7	81.5	70.6	55.7	39.4	27.2	20.4	19.0
62.5°	2911.9	992.8	93.7	80.1	70.6	58.4	43.5	28.5	16.3	10.9	10.9
65°	2500.3	695.4	78.8	66.5	58.4	47.5	32.6	17.7	9.5	4.1	4.1
67.5°	1900.0	430.5	65.2	55.7	50.3	38.0	23.1	10.9	4.1	1.4	0.0
70°	1090.6	224.1	51.6	44.8	39.4	28.5	16.3	5.4	2.7	0.0	0.0
71°	761.9	165.7	46.2	39.4	35.3	25.8	13.6	4.1	1.4	0.0	0.0
72.5°	381.6	110.0	39.4	32.6	28.5	20.4	10.9	4.1	1.4	0.0	0.0
75°	135.8	70.6	27.2	21.7	20.4	14.9	6.8	2.7	1.4	0.0	0.0
77.5°	93.7	57.0	19.0	13.6	13.6	9.5	4.1	1.4	1.4	0.0	0.0
80°	85.6	31.2	12.2	8.1	6.8	5.4	2.7	1.4	0.0	0.0	0.0
82.5°	85.6	23.1	6.8	5.4	4.1	2.7	1.4	0.0	0.0	0.0	0.0
85°	59.8	12.2	4.1	4.1	2.7	1.4	0.0	0.0	0.0	0.0	0.0
87.5°	9.5	4.1	2.7	1.4	1.4	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)