

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: P484236

Luminaire Tested: **IFLD-S-SA2B-722-U-SL3-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484236
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-722-U-SL3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

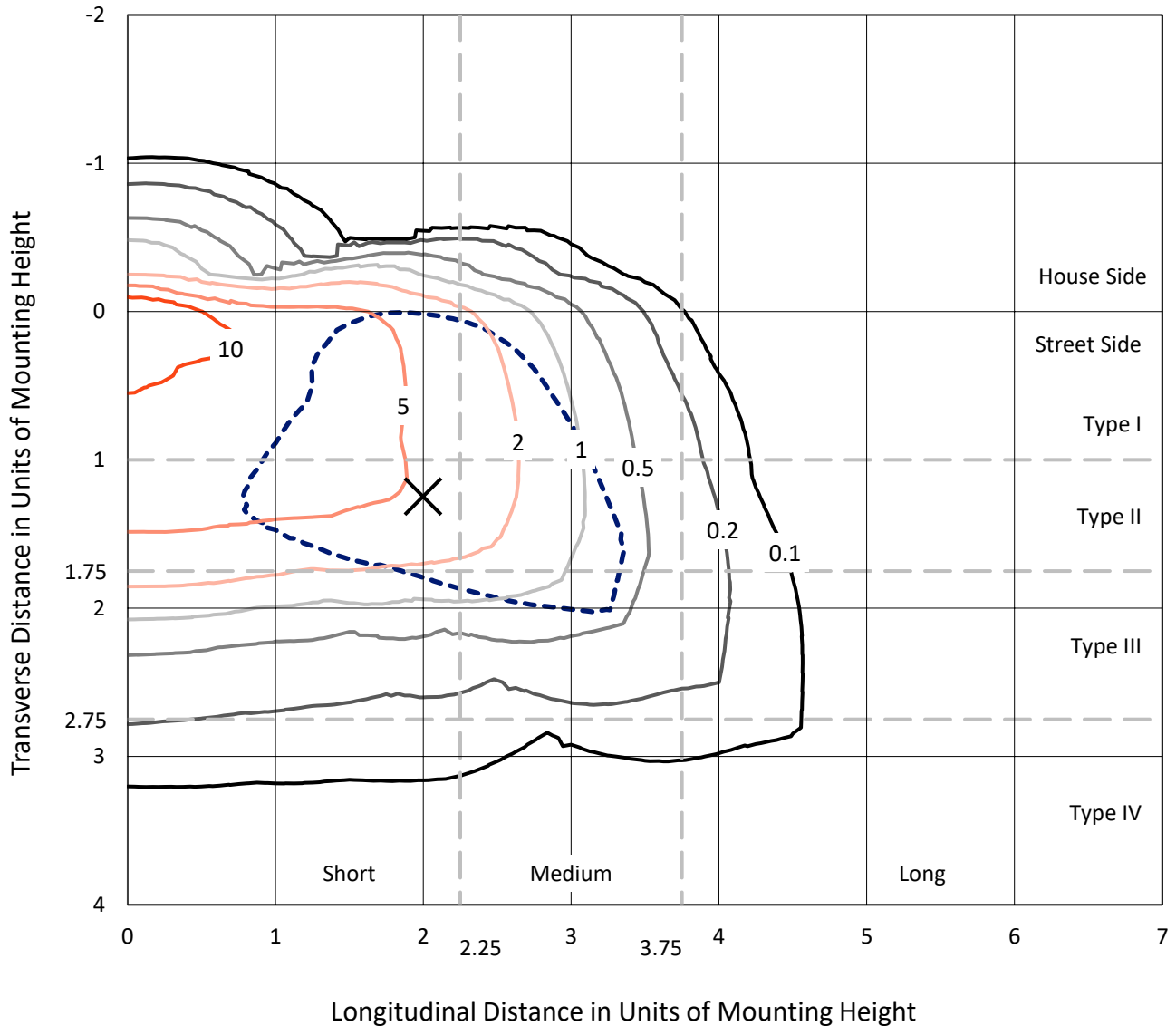
Lumens per Lamp: N/A
Luminaire Lumens: 7033.5 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 82.4
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

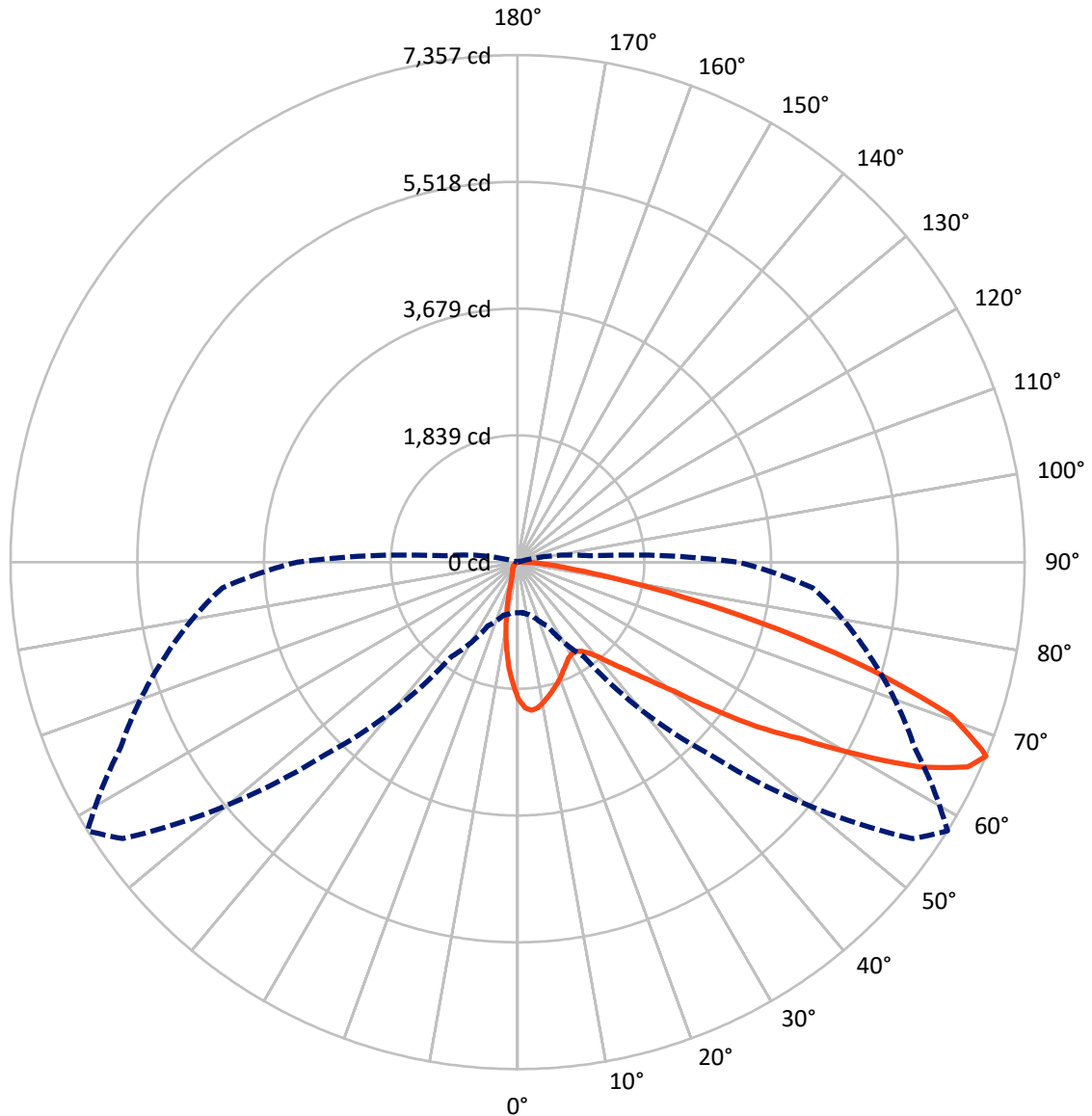
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	581.4	0.0	581.4
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	6452.1	0.0	6452.1
	% Fixture	91.7	0.0	91.7
Total	Lumens	7033.5	0.0	7033.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.1	2.2
10°-20°	328.0	4.7
20°-30°	435.1	6.2
30°-40°	602.9	8.6
40°-50°	983.8	14.0
50°-60°	1729.2	24.6
60°-70°	1915.3	27.2
70°-80°	793.7	11.3
80°-90°	87.4	1.2
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°	7033.5	100.0
0°-180°	7033.5	100.0

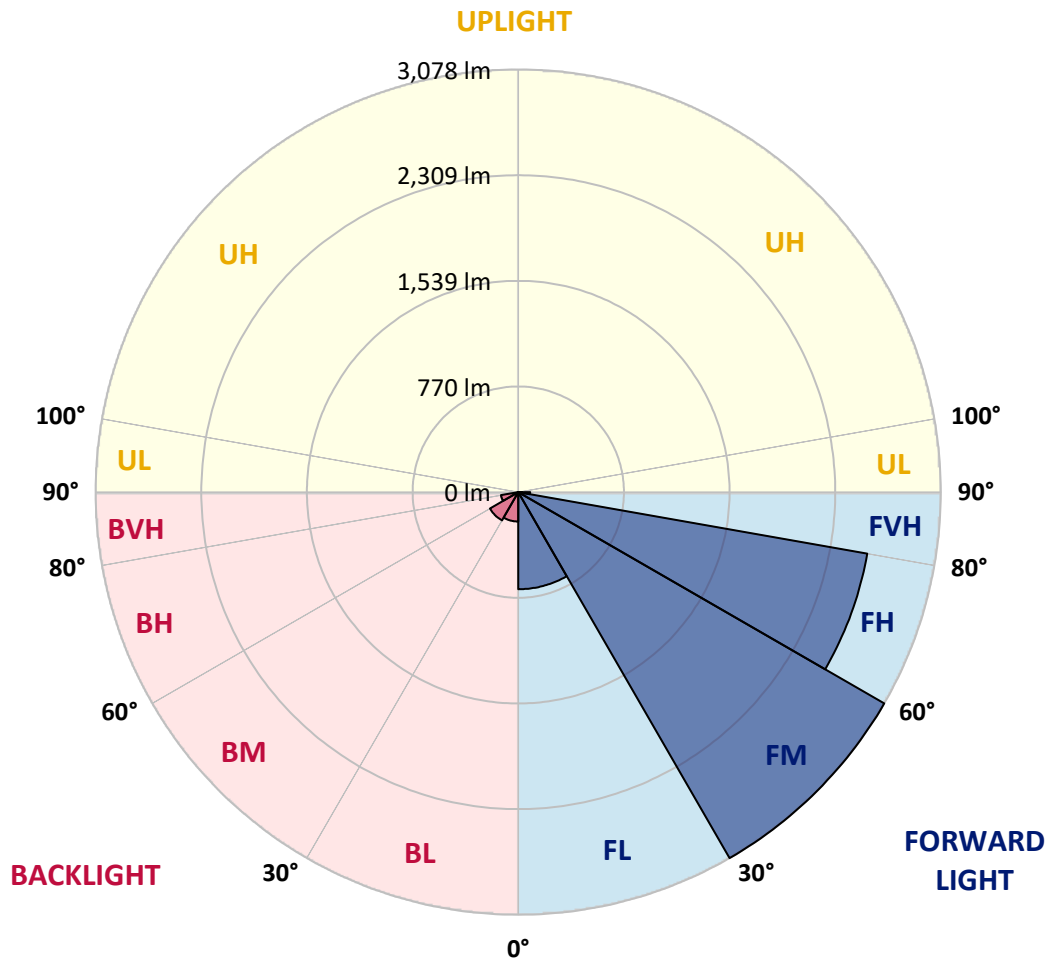


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	707.1	10.1			
FM (30°-60°)	3078.0	43.8			
FH (60°-80°)	2581.1	36.7			G2/5000
FVH (80°-90°)	85.9	1.2			G1/100
BL (0°-30°)	214.1	3.0	B1/500		
BM (30°-60°)	238.0	3.4	B1/1000		
BH (60°-80°)	127.8	1.8	B1/500		G1/500
BVH (80°-90°)	1.4	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1992.7	1992.7	1992.7	1992.7	1992.7	1992.7	1992.7	1992.7	1992.7	1992.7	1992.7
2.5°	2168.2	2175.7	2182.2	2170.1	2180.4	2165.4	2127.2	2118.8	2112.2	2055.3	2022.6
5°	2167.3	2158.9	2165.4	2171.0	2157.0	2168.2	2158.9	2159.8	2134.6	2083.3	1991.8
7.5°	2022.6	2018.8	2022.6	2049.7	2080.5	2104.7	2118.8	2132.8	2116.0	2039.4	1950.7
10°	1827.4	1846.1	1856.4	1904.9	1952.5	1997.4	2041.2	2067.4	2062.7	2031.9	1905.8
12.5°	1691.1	1685.5	1722.8	1754.6	1802.2	1892.8	1969.3	1993.6	2021.6	1978.7	1847.0
15°	1565.0	1550.1	1572.5	1627.6	1708.8	1780.7	1888.1	1924.5	1960.0	1971.2	1815.3
17.5°	1444.6	1452.0	1475.4	1524.9	1601.4	1702.3	1803.1	1855.4	1940.4	1925.5	1767.7
20°	1386.7	1402.5	1410.9	1436.2	1489.4	1590.2	1740.6	1782.6	1873.2	1924.5	1721.0
22.5°	1389.5	1389.5	1369.9	1384.8	1433.4	1511.8	1655.6	1702.3	1846.1	1876.0	1678.9
25°	1419.3	1400.7	1401.6	1383.9	1404.4	1447.4	1579.0	1636.0	1791.0	1880.6	1656.5
27.5°	1441.8	1438.0	1432.4	1427.8	1401.6	1408.1	1528.6	1575.3	1769.5	1875.0	1622.0
30°	1523.0	1506.2	1500.6	1490.3	1455.8	1424.0	1488.4	1547.3	1752.7	1888.1	1602.4
32.5°	1591.2	1594.0	1598.6	1568.8	1538.9	1460.4	1499.7	1546.3	1740.6	1918.0	1622.0
35°	1677.1	1689.2	1691.1	1681.7	1650.0	1572.5	1546.3	1586.5	1761.1	1971.2	1623.8
37.5°	1807.8	1794.7	1830.2	1833.9	1811.5	1708.8	1654.7	1670.5	1821.8	2056.2	1694.8
40°	1892.8	1908.7	1974.9	2016.0	1977.8	1884.4	1811.5	1808.7	1909.6	2189.7	1782.6
42.5°	1987.1	2022.6	2095.4	2184.1	2179.4	2092.6	2018.8	2006.7	2065.5	2383.0	1921.7
45°	2116.0	2147.7	2249.5	2383.0	2455.8	2382.1	2271.0	2246.7	2255.1	2646.3	2158.9
47.5°	2329.8	2321.4	2468.0	2599.7	2719.2	2662.2	2614.6	2543.6	2537.1	2956.4	2486.7
50°	2571.6	2569.8	2700.5	2849.9	2988.1	3099.2	3019.9	2942.3	2944.2	3377.5	2872.3
52.5°	2801.3	2837.8	2978.8	3127.2	3364.4	3483.9	3560.5	3529.7	3381.2	3753.8	3285.0
55°	2922.7	2954.5	3094.6	3350.4	3724.9	4032.1	4239.4	4213.2	3926.6	4177.7	3692.2
57.5°	2807.9	2829.4	3018.9	3354.1	3977.0	4662.4	4861.3	4828.6	4490.6	4501.8	4184.3
60°	2327.0	2360.6	2642.6	3035.7	3878.9	5147.9	5717.5	5668.1	5004.1	4911.7	4500.8
62.5°	1611.7	1634.1	1865.7	2355.0	3413.9	5317.0	6526.2	6553.3	5545.7	5231.0	4595.1
65°	1044.0	1042.1	1174.7	1506.2	2419.4	4805.2	7004.3	7172.4	6068.7	5279.6	4566.2
67°	737.7	734.9	797.5	1021.6	1675.2	3959.2	6995.9	7357.3	6352.5	5293.6	4298.2
67.5°	680.7	677.9	737.7	939.4	1511.8	3681.9	6891.3	7262.0	6452.4	5274.0	4180.5
70°	528.5	521.1	543.5	647.1	880.6	2381.1	5897.8	6670.9	6245.1	4784.7	3338.3
72.5°	381.9	390.3	425.8	531.3	691.0	1281.1	4495.2	5394.5	5216.1	3606.3	2121.6
75°	266.1	273.6	330.6	433.3	634.0	776.9	3039.5	3912.5	3633.3	1990.8	903.9
77.5°	139.1	148.5	211.0	346.4	576.1	601.4	1816.2	2481.1	1925.5	708.7	249.3
80°	64.4	69.1	105.5	245.6	481.8	528.5	1058.9	1380.1	770.4	158.7	85.9
82.5°	28.0	30.8	48.6	141.0	341.8	462.2	655.5	723.7	279.2	51.4	53.2
85°	5.6	6.5	18.7	74.7	165.3	280.1	460.4	429.5	140.1	25.2	42.0
87.5°	0.0	0.0	4.7	21.5	44.8	83.1	195.2	195.2	43.0	13.1	15.9
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°	1992.7	1992.7	1992.7	1992.7	1992.7	1992.7	1992.7	1992.7	1992.7	1992.7	1992.7
2.5°	1993.6	1960.0	1886.2	1818.1	1769.5	1714.4	1641.6	1608.9	1596.8	1580.0	1554.7
5°	1941.3	1900.2	1774.2	1647.2	1508.1	1402.5	1290.5	1225.1	1175.6	1144.8	1134.5
7.5°	1867.6	1783.5	1613.6	1410.0	1229.8	1072.9	903.0	788.1	714.3	684.5	656.4
10°	1808.7	1699.5	1440.8	1187.8	947.8	718.1	526.7	425.8	349.2	320.3	316.6
12.5°	1732.2	1601.4	1279.3	960.9	659.3	427.7	291.3	253.1	231.6	227.8	225.0
15°	1668.7	1512.7	1126.1	744.2	426.7	267.1	226.9	217.6	212.0	210.1	211.0
17.5°	1625.7	1417.5	969.3	541.6	281.1	218.5	209.2	203.6	200.8	199.8	197.0
20°	1540.7	1337.2	814.3	379.1	219.4	201.7	194.2	189.6	186.8	185.8	184.9
22.5°	1492.2	1235.4	659.3	264.3	195.2	183.0	177.4	173.7	169.0	166.2	165.3
25°	1443.6	1160.7	521.1	205.4	177.4	169.0	160.6	155.9	148.5	144.7	143.8
27.5°	1386.7	1086.9	401.5	178.4	159.7	151.3	142.9	135.4	126.1	122.3	120.5
30°	1354.0	1015.0	302.5	159.7	146.6	135.4	125.1	115.8	105.5	99.0	97.1
32.5°	1337.2	949.7	226.9	145.7	132.6	120.5	107.4	96.2	86.8	81.2	80.3
35°	1316.6	886.2	178.4	132.6	119.5	106.5	93.4	82.2	72.8	68.2	66.3
37.5°	1338.1	848.8	148.5	122.3	109.3	94.3	80.3	69.1	61.6	57.0	56.0
40°	1396.9	818.0	128.9	113.0	99.0	83.1	70.0	58.8	52.3	48.6	46.7
42.5°	1487.5	818.0	116.7	103.6	89.6	72.8	59.8	51.4	44.8	41.1	40.2
45°	1651.9	843.2	106.5	94.3	78.4	62.6	51.4	43.0	36.4	32.7	31.7
47.5°	1882.5	901.1	98.0	85.9	70.0	55.1	44.8	36.4	29.9	26.1	25.2
50°	2192.5	1032.8	89.6	75.6	62.6	47.6	37.4	28.9	23.3	19.6	18.7
52.5°	2579.1	1219.5	81.2	70.0	53.2	40.2	29.9	23.3	17.7	14.9	14.0
55°	2988.1	1448.3	71.0	62.6	45.8	33.6	24.3	17.7	13.1	11.2	10.3
57.5°	3399.9	1624.8	62.6	54.2	37.4	27.1	19.6	14.0	9.3	7.5	6.5
60°	3618.4	1641.6	54.2	44.8	29.9	21.5	14.9	10.3	6.5	4.7	3.7
62.5°	3652.0	1492.2	46.7	36.4	24.3	16.8	10.3	7.5	3.7	1.9	1.9
65°	3479.3	1243.8	40.2	28.9	18.7	12.1	7.5	4.7	1.9	0.9	0.0
67°	3199.1	1042.1	34.5	24.3	14.9	9.3	5.6	2.8	0.9	0.0	0.0
67.5°	3090.8	986.1	32.7	22.4	14.0	8.4	4.7	2.8	0.9	0.0	0.0
70°	2398.9	704.1	24.3	15.9	10.3	6.5	3.7	1.9	0.0	0.0	0.0
72.5°	1469.8	411.8	18.7	11.2	7.5	4.7	2.8	0.9	0.0	0.0	0.0
75°	616.3	141.9	15.9	8.4	5.6	2.8	1.9	0.9	0.0	0.0	0.0
77.5°	160.6	53.2	11.2	5.6	3.7	2.8	1.9	0.9	0.0	0.0	0.0
80°	65.4	24.3	7.5	3.7	3.7	2.8	1.9	0.9	0.0	0.0	0.0
82.5°	43.0	11.2	4.7	3.7	2.8	1.9	0.9	0.0	0.0	0.0	0.0
85°	32.7	6.5	2.8	2.8	1.9	0.9	0.0	0.0	0.0	0.0	0.0
87.5°	14.0	3.7	2.8	1.9	1.9	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)