

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: P479946

Luminaire Tested: **IFLD-S-SA2B-722-U-SL2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479946
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-SL2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

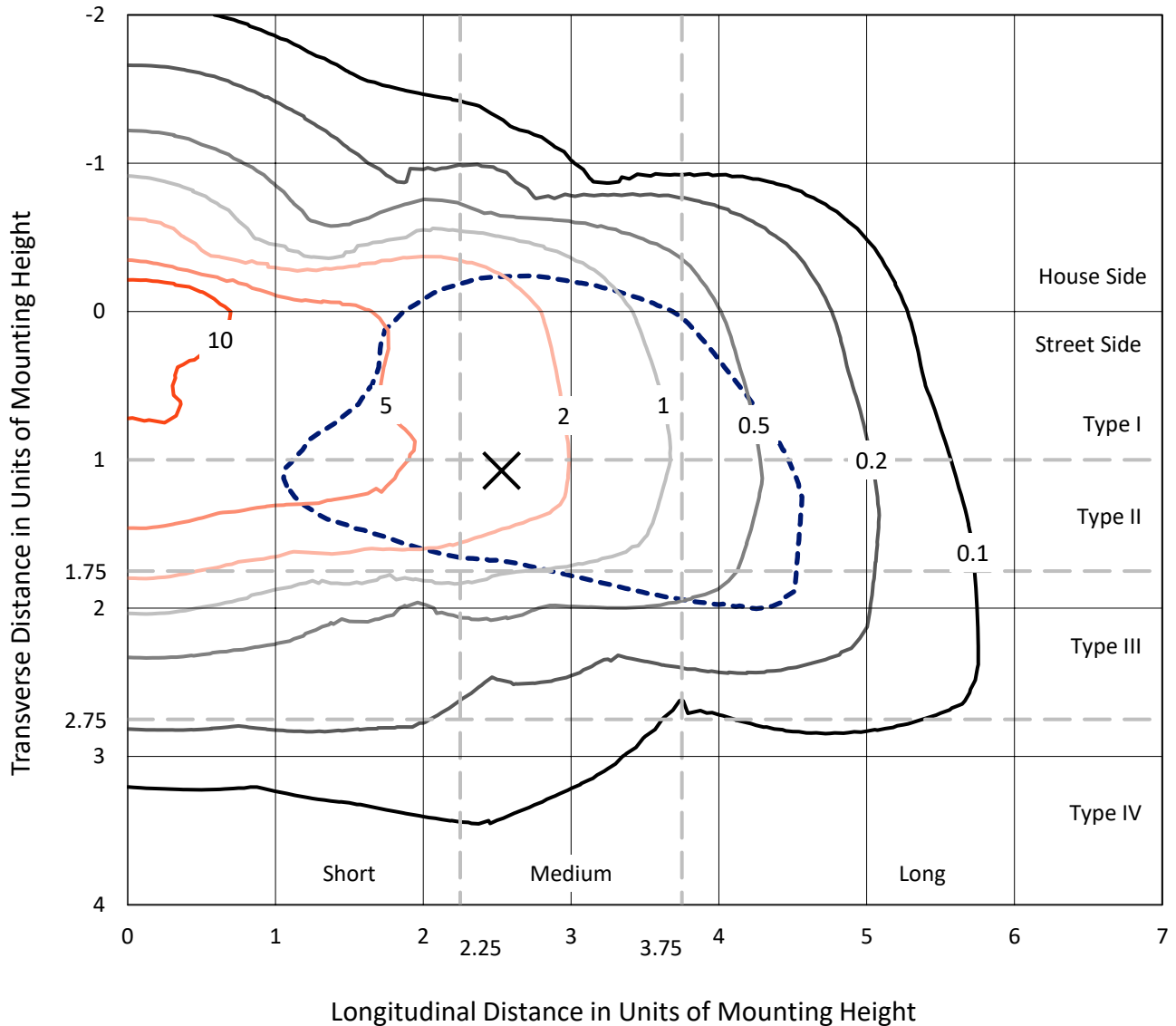
Lumens per Lamp: N/A
Luminaire Lumens: 8385.6 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

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

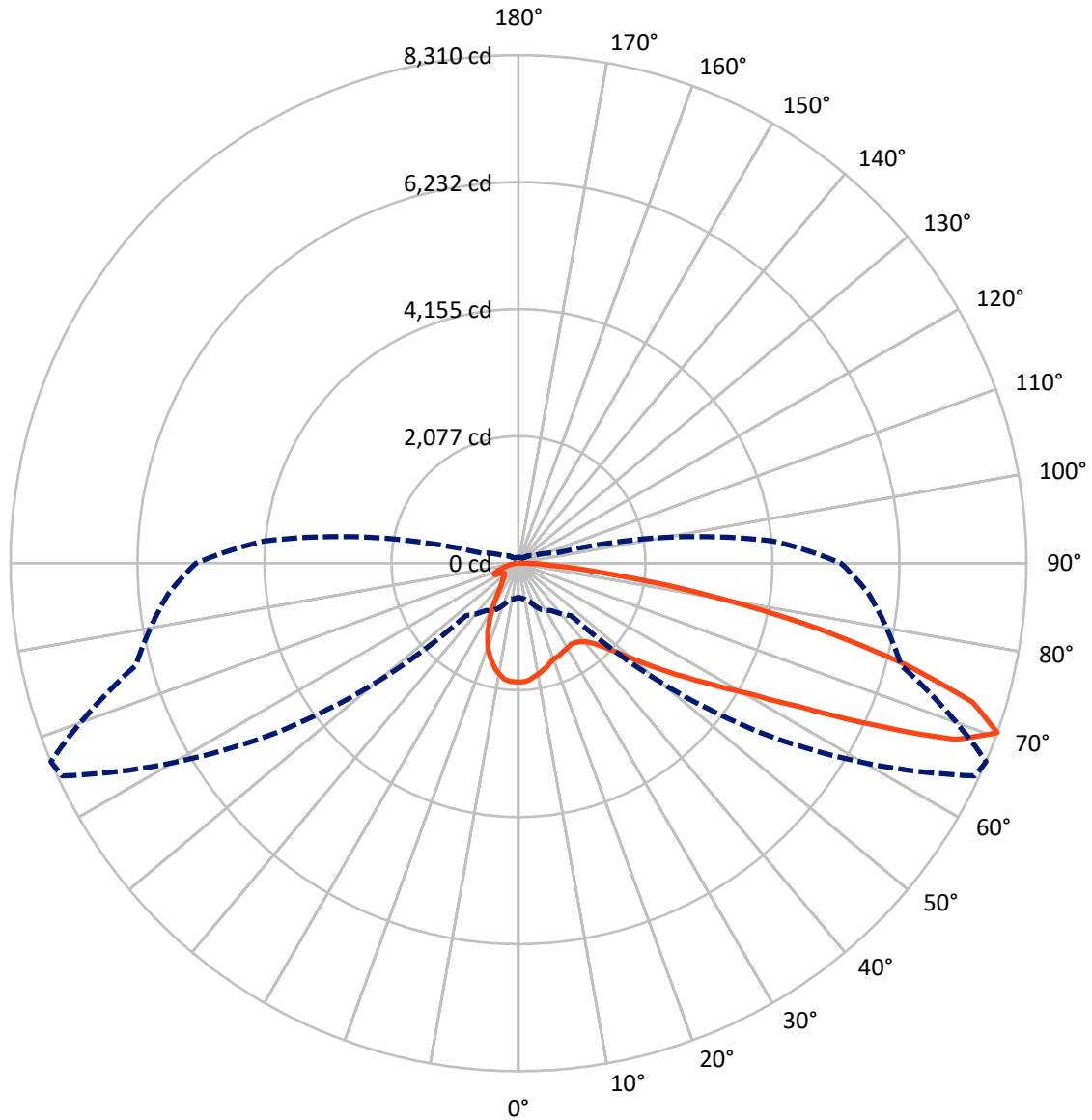
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1633.2	0.0	1633.2
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	6752.4	0.0	6752.4
	% Fixture	80.5	0.0	80.5
Total	Lumens	8385.6	0.0	8385.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.4	2.0
10°-20°	405.7	4.8
20°-30°	547.8	6.5
30°-40°	733.0	8.7
40°-50°	1077.9	12.9
50°-60°	1680.1	20.0
60°-70°	2069.6	24.7
70°-80°	1462.4	17.4
80°-90°	239.7	2.9
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°	8385.6	100.0
0°-180°	8385.6	100.0

Coefficient of Utilization



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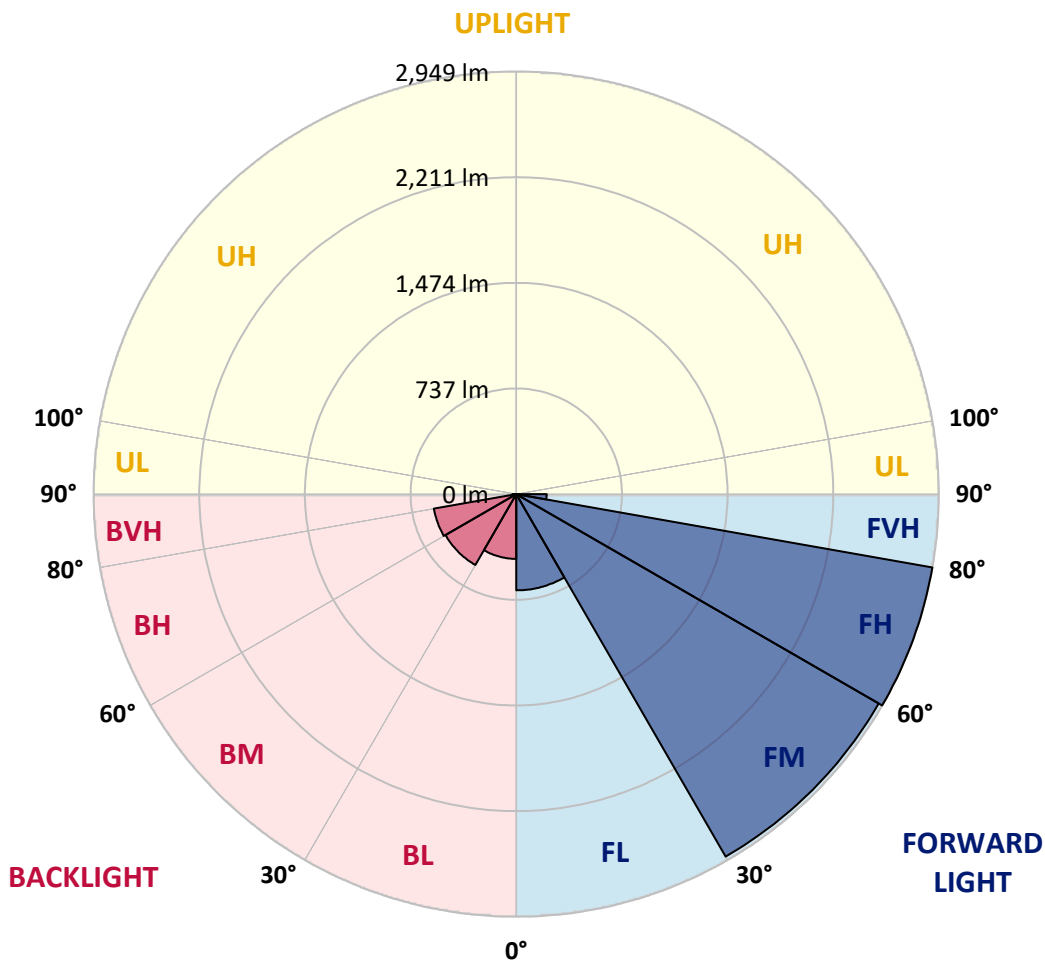
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	671.2	8.0			
FM (30°-60°)	2920.5	34.8			
FH (60°-80°)	2948.6	35.2			G2/5000
FVH (80°-90°)	212.0	2.5			G2/225
BL (0°-30°)	451.6	5.4	B1/500		
BM (30°-60°)	570.5	6.8	B1/1000		
BH (60°-80°)	583.4	7.0	B2/1000		G2/1000
BVH (80°-90°)	27.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2
2.5°	1807.6	1828.0	1835.4	1846.5	1875.3	1896.7	1909.7	1924.5	1942.2	1957.0	1966.3
5°	1681.3	1692.4	1710.1	1722.1	1758.3	1815.9	1854.9	1918.0	1916.2	1939.4	1974.7
7.5°	1558.7	1569.9	1578.2	1602.4	1654.4	1706.4	1777.8	1880.0	1872.5	1926.4	1981.2
10°	1482.6	1474.3	1477.0	1517.9	1558.7	1617.2	1707.3	1811.3	1838.2	1921.7	1999.7
12.5°	1411.1	1401.8	1424.1	1450.1	1500.3	1553.2	1660.9	1754.6	1795.5	1905.0	2008.1
15°	1366.6	1360.1	1387.9	1399.1	1458.5	1521.6	1597.7	1711.9	1756.5	1884.6	1995.1
17.5°	1341.5	1347.1	1357.3	1381.4	1419.5	1473.3	1556.9	1683.1	1702.6	1859.5	1992.3
20°	1346.1	1352.6	1353.6	1363.8	1389.8	1431.6	1517.0	1652.5	1665.5	1854.9	1999.7
22.5°	1383.3	1374.0	1377.7	1371.2	1378.6	1411.1	1486.3	1611.7	1661.8	1815.9	1983.9
25°	1439.0	1426.0	1424.1	1401.8	1387.9	1397.2	1480.8	1601.5	1633.9	1803.8	1983.0
27.5°	1537.4	1517.9	1517.9	1484.5	1427.8	1413.0	1465.0	1584.7	1613.5	1792.7	1961.7
30°	1632.1	1632.1	1633.0	1585.7	1522.5	1449.2	1471.5	1578.2	1596.8	1759.3	1932.9
32.5°	1747.2	1744.4	1739.8	1716.6	1619.1	1509.5	1503.0	1569.9	1579.2	1748.1	1924.5
35°	1859.5	1852.1	1888.3	1867.9	1768.6	1627.4	1535.5	1573.6	1594.0	1731.4	1898.5
37.5°	1944.0	1948.7	2023.9	2036.9	1951.4	1761.1	1627.4	1610.7	1630.2	1755.6	1898.5
40°	2053.6	2072.1	2142.7	2186.3	2134.3	1937.5	1773.2	1672.9	1686.9	1809.4	1939.4
42.5°	2197.5	2213.3	2303.3	2359.9	2345.1	2162.2	1917.1	1802.9	1791.8	1899.5	2000.7
45°	2387.8	2390.6	2481.6	2559.5	2590.2	2397.1	2145.5	1967.2	1957.9	2054.5	2113.0
47.5°	2614.3	2611.5	2668.2	2751.7	2834.3	2677.4	2408.2	2217.0	2183.5	2276.4	2299.6
50°	2833.4	2821.3	2834.3	2941.1	3099.9	3028.4	2727.6	2522.4	2489.0	2540.0	2580.0
52.5°	2954.1	2968.9	2933.7	3074.8	3382.1	3443.4	3150.9	2887.3	2858.5	2883.5	2953.2
55°	2869.6	2900.2	2877.0	3010.7	3505.6	3949.3	3698.7	3309.7	3272.5	3263.2	3377.4
57.5°	2510.3	2566.0	2570.7	2782.3	3462.8	4341.1	4469.2	3808.2	3752.5	3657.8	3775.7
60°	1927.3	1983.0	2025.7	2276.4	3097.1	4575.0	5362.3	4517.5	4333.7	4088.6	4159.1
62.5°	1350.8	1388.9	1431.6	1585.7	2387.8	4437.6	6134.7	5516.4	5177.6	4542.5	4630.7
65°	984.1	1013.8	1057.4	1148.4	1466.8	3671.7	6493.1	6702.9	6381.7	5120.0	5108.9
67.5°	740.8	759.4	817.0	962.7	1016.6	2268.0	6121.7	7956.2	7696.2	5761.5	5493.2
70°	560.7	576.5	630.4	830.0	949.7	1216.2	4829.4	8235.6	8309.9	6481.0	5751.3
72.5°	386.2	403.8	464.2	691.6	904.2	964.6	3031.2	7481.8	7763.1	6777.2	5474.6
75°	236.7	248.8	284.1	524.5	897.7	943.2	1668.3	6131.0	6429.0	6261.9	4789.5
77.5°	167.1	166.2	172.7	307.3	778.0	948.8	1028.6	4492.4	4782.1	4615.0	3250.2
80°	121.6	122.5	129.0	183.8	528.2	964.6	810.5	3008.9	3095.2	2406.4	1282.1
82.5°	73.3	77.1	92.8	124.4	317.5	870.8	749.2	1672.0	1564.3	772.4	352.8
85°	39.0	39.0	54.8	78.9	169.0	649.9	721.3	795.6	666.6	239.5	130.9
87.5°	9.3	9.3	15.8	31.6	67.8	311.0	492.0	316.6	253.4	80.8	53.8
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°	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2	1941.2
2.5°	1962.6	1951.4	1965.4	1937.5	1915.2	1916.2	1881.8	1880.0	1875.3	1851.2	1859.5
5°	1984.9	1975.6	1959.8	1929.2	1880.0	1830.8	1801.1	1763.0	1747.2	1738.9	1742.6
7.5°	2006.2	1989.5	1944.0	1901.3	1825.2	1732.4	1678.5	1627.4	1562.5	1555.0	1542.0
10°	2011.8	1976.5	1918.0	1827.0	1725.9	1622.8	1500.3	1405.6	1355.4	1316.4	1301.6
12.5°	2003.4	1988.6	1876.2	1759.3	1606.1	1444.6	1301.6	1167.9	1075.1	1026.8	1013.8
15°	2002.5	1976.5	1829.8	1656.2	1460.3	1249.6	1046.3	885.7	788.2	748.3	748.3
17.5°	2003.4	1941.2	1775.1	1552.2	1288.6	1003.6	779.8	648.0	594.2	588.6	593.2
20°	1984.9	1915.2	1717.5	1429.7	1073.2	753.8	566.3	512.5	512.5	519.9	522.7
22.5°	1968.2	1876.2	1626.5	1278.4	854.1	545.9	460.5	444.7	462.3	475.3	480.9
25°	1944.9	1843.8	1533.7	1121.5	649.9	440.1	400.1	403.8	420.6	443.8	441.9
27.5°	1911.5	1787.1	1423.2	939.5	483.7	379.7	369.5	371.4	389.0	399.2	397.3
30°	1873.5	1729.6	1321.1	758.5	383.4	348.1	347.2	351.9	354.6	360.2	359.3
32.5°	1825.2	1653.4	1212.5	589.5	345.4	330.5	326.8	324.0	326.8	325.9	323.1
35°	1790.8	1612.6	1102.0	449.3	324.0	314.7	311.9	307.3	303.6	298.0	297.1
37.5°	1781.6	1571.7	985.9	366.7	307.3	302.7	293.4	285.0	280.4	277.6	275.7
40°	1776.0	1544.8	872.7	322.1	293.4	288.7	277.6	266.4	261.8	259.0	259.9
42.5°	1795.5	1530.0	757.6	299.9	281.3	272.9	260.9	247.9	246.9	245.1	247.9
45°	1864.2	1548.5	650.8	284.1	269.2	255.3	239.5	233.0	232.1	230.2	232.1
47.5°	2020.1	1595.0	559.8	273.9	256.2	244.2	227.5	218.2	217.2	216.3	216.3
50°	2235.5	1737.9	483.7	261.8	247.9	231.2	215.4	205.2	203.3	199.6	199.6
52.5°	2573.5	1978.4	438.2	255.3	233.0	219.1	202.4	191.2	186.6	182.9	182.9
55°	2954.1	2276.4	429.8	244.2	217.2	204.2	189.4	178.2	173.6	169.0	167.1
57.5°	3387.6	2670.9	489.3	236.7	206.1	189.4	172.7	162.5	158.8	154.1	152.3
60°	3791.5	3064.6	674.0	225.6	195.9	175.5	158.8	148.5	143.9	139.3	139.3
62.5°	4258.5	3552.0	986.9	225.6	186.6	160.6	143.9	136.5	133.7	129.0	128.1
65°	4810.8	4056.1	1215.2	239.5	183.8	147.6	130.0	122.5	119.8	117.0	116.0
67.5°	5231.4	4345.7	1045.4	276.7	195.9	136.5	116.0	111.4	109.5	106.8	104.9
70°	5276.0	4169.3	630.4	298.9	208.0	125.3	104.0	99.3	99.3	96.6	94.7
72.5°	4875.8	3699.6	424.3	266.4	188.5	112.3	91.9	88.2	86.3	84.5	83.6
75°	4080.2	3137.9	335.1	212.6	144.8	92.8	79.8	76.1	73.3	72.4	70.6
77.5°	2740.6	2039.6	247.9	166.2	106.8	75.2	66.8	63.1	60.3	59.4	56.6
80°	1052.8	777.1	159.7	120.7	75.2	59.4	52.9	49.2	47.3	44.6	42.7
82.5°	310.1	251.6	89.1	74.3	48.3	40.8	38.1	35.3	32.5	29.7	28.8
85°	128.1	115.1	54.8	39.0	29.7	24.1	22.3	19.5	16.7	14.9	13.0
87.5°	59.4	49.2	25.1	14.9	10.2	5.6	2.8	0.9	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)