

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: P484001

Luminaire Tested: **IFLD-S-SA2A-740-U-SL2-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484001
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-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

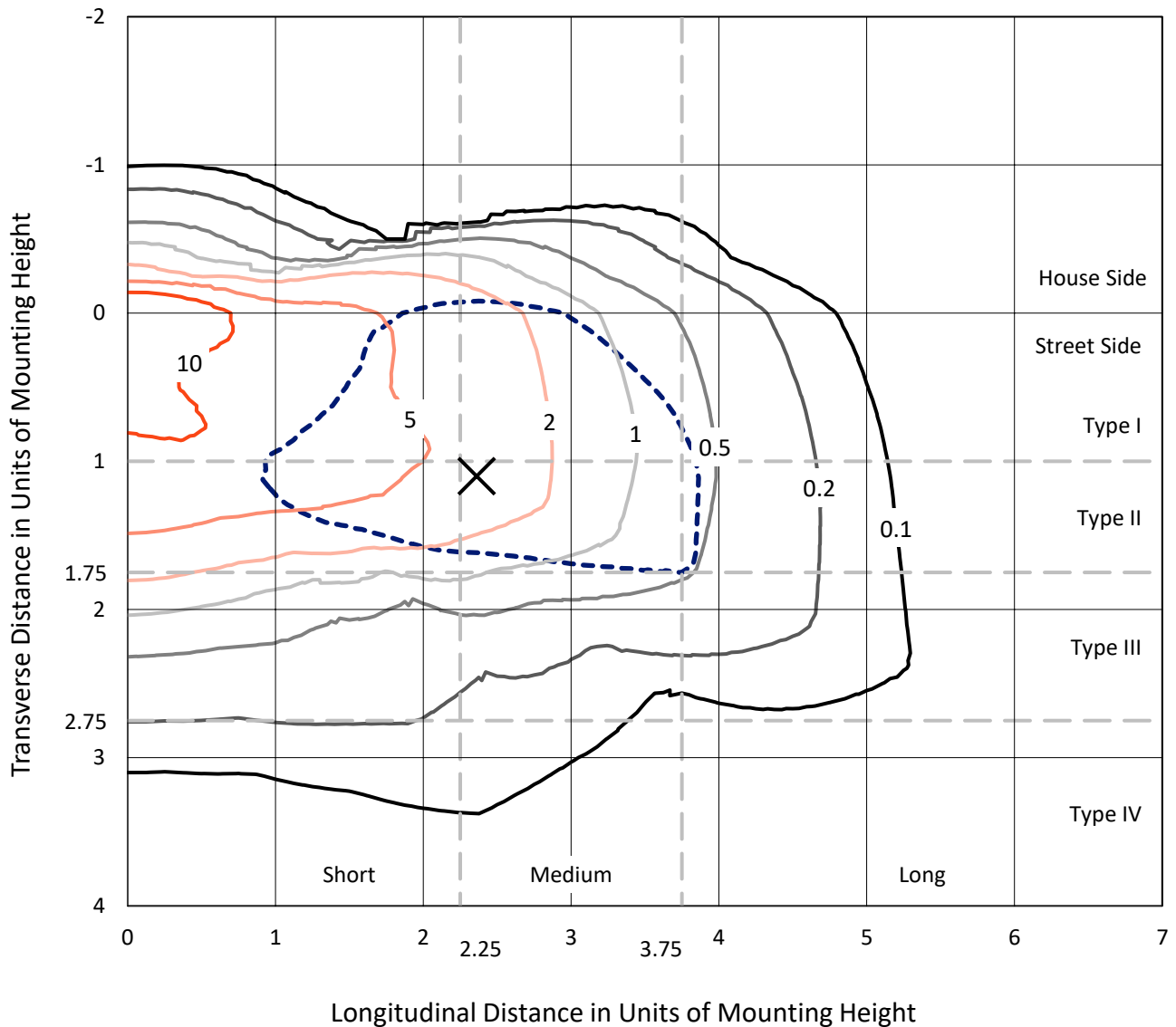
Lumens per Lamp: N/A
Luminaire Lumens: 7598.6 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 63.8
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

REPORT NUMBER: P484001
 CATALOG NUMBER: IFLD-S-SA2A-740-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

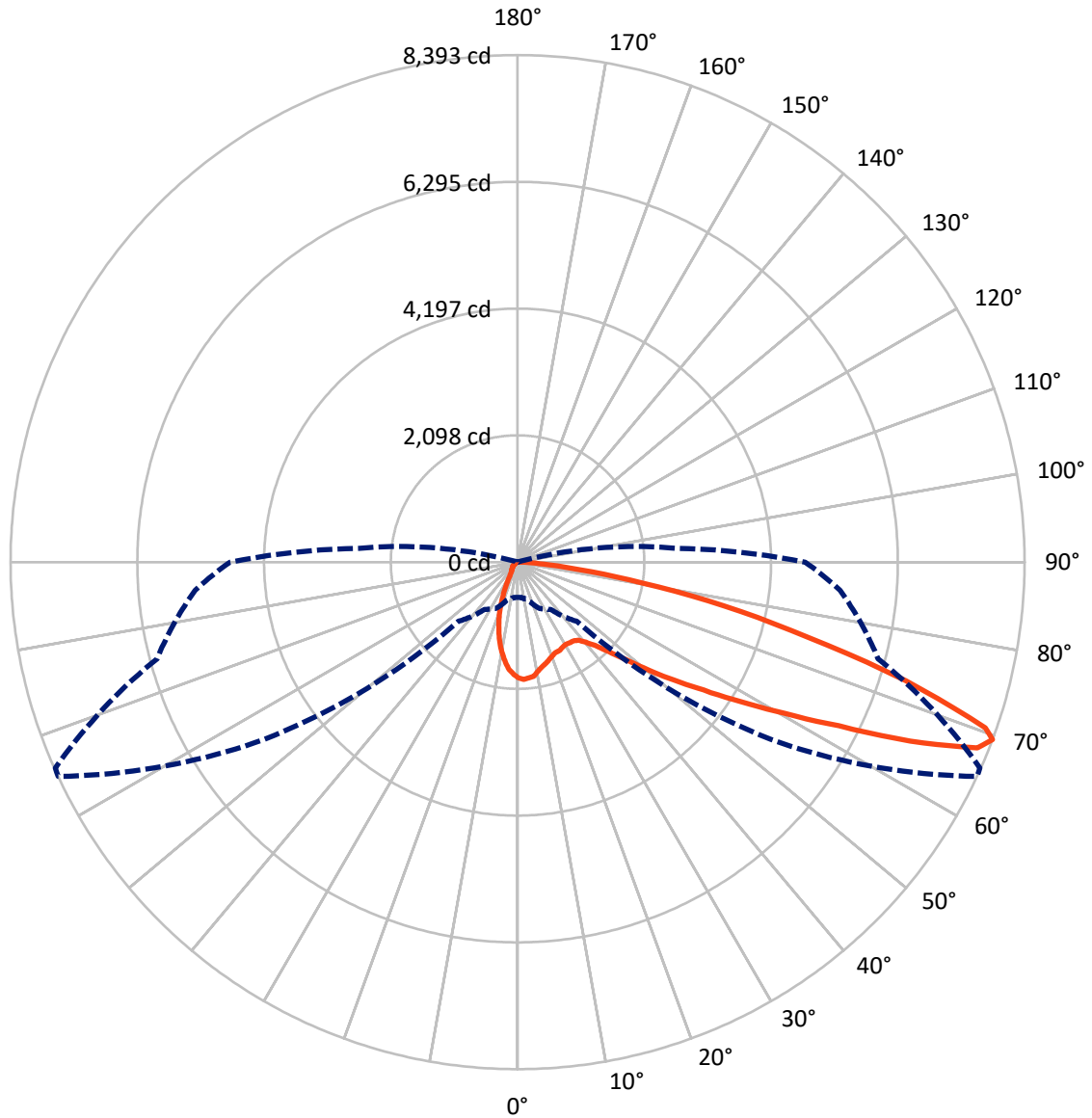
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.2 fc
 Type II - Medium - N/A

REPORT NUMBER: P484001
CATALOG NUMBER: IFLD-S-SA2A-740-U-SL2-HSS

Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	921.8	0.0	921.8
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	6676.8	0.0	6676.8
	% Fixture	87.9	0.0	87.9
Total	Lumens	7598.6	0.0	7598.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.8	2.1
10°-20°	343.0	4.5
20°-30°	477.6	6.3
30°-40°	676.7	8.9
40°-50°	1066.5	14.0
50°-60°	1730.6	22.8
60°-70°	1932.7	25.4
70°-80°	1088.4	14.3
80°-90°	126.3	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°	7598.6	100.0
0°-180°	7598.6	100.0

Coefficient of Utilization

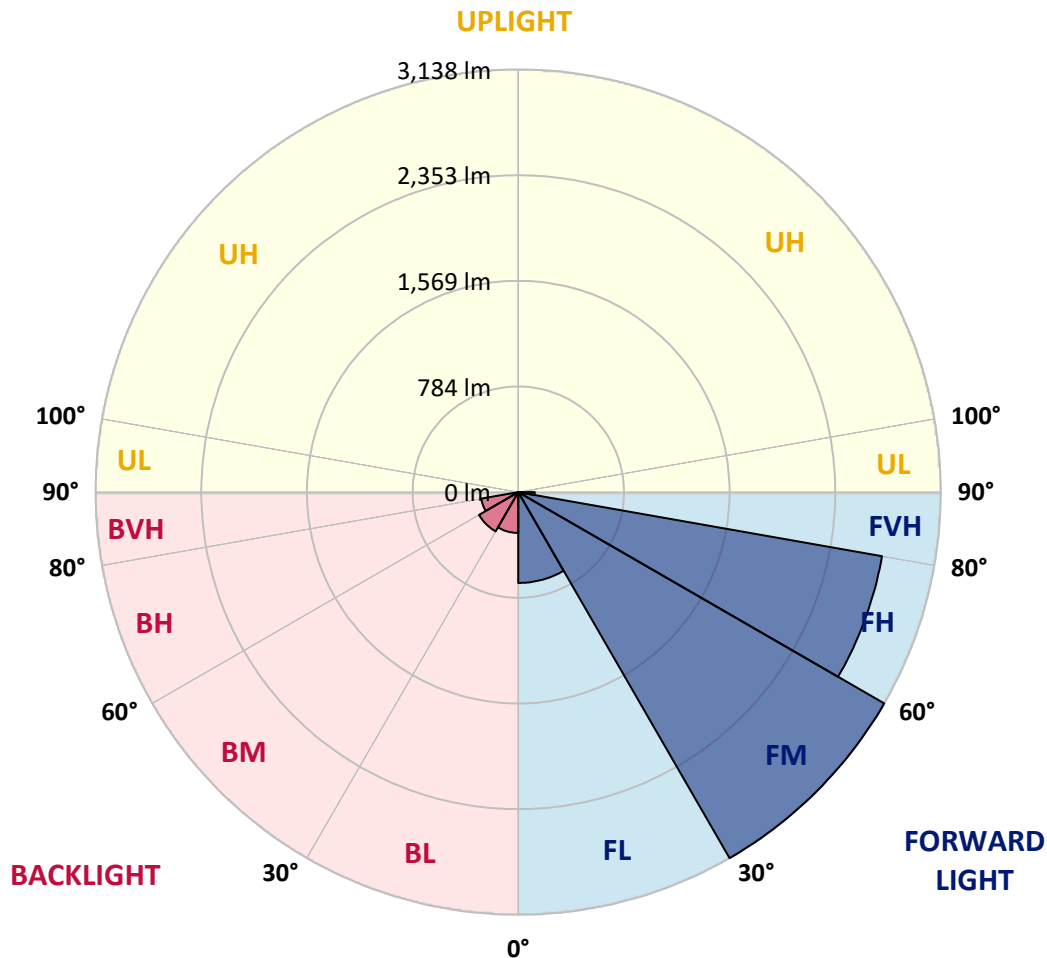


REPORT NUMBER: P484001
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	674.3	8.9			
FM (30°-60°)	3137.5	41.3			
FH (60°-80°)	2742.2	36.1			G2/5000
FVH (80°-90°)	122.8	1.6			G2/225
BL (0°-30°)	303.0	4.0	B1/500		
BM (30°-60°)	336.4	4.4	B1/1000		
BH (60°-80°)	278.9	3.7	B1/500		G1/500
BVH (80°-90°)	3.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Medium





REPORT NUMBER: P484001

CATALOG NUMBER: IFLD-S-SA2A-740-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1915.8	1915.8	1915.8	1915.8	1915.8	1915.8	1915.8	1915.8	1915.8	1915.8	1915.8
2.5°	1845.1	1859.4	1863.5	1877.9	1885.0	1915.8	1933.2	1943.5	1938.3	1949.6	1950.6
5°	1713.9	1705.7	1727.2	1742.6	1775.4	1828.7	1883.0	1925.0	1944.5	1962.9	1959.9
7.5°	1573.4	1569.3	1590.8	1625.7	1655.4	1720.0	1807.1	1910.7	1906.6	1951.7	1965.0
10°	1477.1	1481.2	1488.3	1523.2	1567.3	1632.9	1741.5	1837.9	1859.4	1954.7	1981.4
12.5°	1388.9	1396.1	1409.4	1445.3	1496.5	1564.2	1669.8	1782.5	1815.3	1937.3	1990.6
15°	1360.2	1343.8	1370.5	1397.1	1450.4	1510.9	1600.1	1740.5	1754.9	1916.8	2006.0
17.5°	1336.6	1326.4	1338.7	1360.2	1416.6	1465.8	1549.8	1695.4	1722.1	1908.6	2003.9
20°	1343.8	1334.6	1339.7	1356.1	1381.7	1427.9	1505.8	1652.4	1681.1	1870.7	2000.9
22.5°	1364.3	1371.5	1362.3	1366.4	1374.6	1398.1	1482.2	1621.6	1646.2	1863.5	2018.3
25°	1456.6	1444.3	1432.0	1426.8	1378.7	1388.9	1475.0	1619.5	1637.0	1837.9	2003.9
27.5°	1552.9	1542.7	1537.5	1507.8	1442.2	1411.5	1476.0	1590.8	1614.4	1827.6	1986.5
30°	1669.8	1683.1	1662.6	1626.7	1535.5	1459.6	1487.3	1576.5	1609.3	1788.7	1975.2
32.5°	1792.8	1800.0	1810.2	1783.6	1665.7	1532.4	1521.1	1589.8	1591.9	1788.7	1949.6
35°	1932.2	1921.9	1948.6	1950.6	1847.1	1661.6	1585.7	1599.0	1620.6	1780.5	1940.4
37.5°	2052.1	2069.5	2100.3	2149.5	2042.9	1844.0	1686.2	1642.1	1651.3	1818.4	1947.6
40°	2183.3	2200.7	2270.4	2319.6	2259.2	2049.0	1838.9	1742.6	1749.7	1874.8	1984.5
42.5°	2327.8	2361.7	2444.7	2530.8	2514.4	2309.4	2035.7	1890.2	1887.1	2015.2	2060.3
45°	2523.6	2568.7	2658.9	2758.4	2772.7	2607.7	2298.1	2110.5	2120.8	2198.7	2217.1
47.5°	2796.3	2794.2	2882.4	2993.1	3076.1	2917.2	2611.8	2406.8	2405.7	2488.8	2449.8
50°	3059.7	3060.7	3084.3	3212.4	3427.7	3346.7	3000.3	2800.4	2789.1	2830.1	2767.6
52.5°	3181.7	3167.3	3149.9	3304.7	3698.3	3887.9	3492.3	3246.3	3237.0	3212.4	3196.0
55°	3053.6	3058.7	3057.7	3218.6	3840.8	4458.9	4123.7	3737.3	3721.9	3645.0	3667.6
57.5°	2642.5	2626.1	2662.0	2913.1	3677.8	4848.4	5026.8	4356.4	4316.4	4061.2	4009.9
60°	1967.0	1972.2	2001.9	2298.1	3272.9	4930.4	5890.9	5083.1	4910.9	4354.3	4283.6
62.5°	1373.5	1363.3	1374.6	1540.6	2340.1	4602.4	6475.1	5966.7	5800.7	4687.5	4646.5
65°	983.0	969.7	1014.8	1116.3	1405.3	3518.9	6558.2	7143.4	6994.8	5219.5	5121.1
67.5°	707.3	705.2	757.5	942.0	998.4	2026.5	5943.1	8209.5	8119.3	5850.9	5410.1
69°	585.3	586.3	636.5	843.6	953.3	1383.8	5113.9	8393.0	8376.6	6176.8	5355.8
70°	510.5	514.6	573.0	785.2	934.8	1137.8	4408.7	8212.6	8196.2	6240.4	5176.4
72.5°	314.7	317.8	394.6	629.4	888.7	928.7	2636.4	6719.1	6775.5	5949.3	4459.9
75°	150.7	151.7	207.1	455.1	856.9	880.5	1412.5	4958.1	5077.0	4803.3	3485.1
77.5°	80.0	80.0	99.4	241.9	693.9	828.2	838.5	3497.4	3595.8	3037.2	1981.4
80°	40.0	41.0	60.5	126.1	430.5	811.8	655.0	2085.9	2139.2	1239.3	617.1
82.5°	15.4	16.4	28.7	75.9	223.5	685.7	575.0	1026.1	1012.7	290.1	150.7
85°	2.1	2.1	10.3	45.1	95.3	302.4	474.6	428.5	414.1	63.6	72.8
87.5°	0.0	0.0	2.1	13.3	28.7	88.2	183.5	117.9	131.2	17.4	35.9
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: P484001

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1915.8	1915.8	1915.8	1915.8	1915.8	1915.8	1915.8	1915.8	1915.8	1915.8	1915.8
2.5°	1945.5	1924.0	1891.2	1859.4	1825.6	1784.6	1739.5	1723.1	1694.4	1692.3	1708.7
5°	1943.5	1908.6	1851.2	1783.6	1687.2	1614.4	1535.5	1478.1	1434.0	1405.3	1412.5
7.5°	1953.7	1911.7	1812.3	1666.7	1542.7	1398.1	1276.2	1192.1	1115.2	1077.3	1073.2
10°	1937.3	1880.9	1735.4	1531.4	1348.9	1147.0	968.7	855.9	741.1	699.1	701.1
12.5°	1946.5	1867.6	1652.4	1392.0	1140.9	878.5	665.2	511.5	403.9	369.0	364.9
15°	1952.7	1838.9	1572.4	1224.9	910.2	598.6	385.4	290.1	256.3	250.1	249.1
17.5°	1929.1	1804.1	1459.6	1059.9	674.5	363.9	256.3	236.8	230.6	226.5	224.5
20°	1928.1	1783.6	1362.3	890.8	450.0	248.1	221.4	214.2	205.0	201.9	201.9
22.5°	1910.7	1740.5	1245.4	705.2	287.0	213.2	198.9	187.6	177.3	173.2	172.2
25°	1905.5	1690.3	1135.7	529.9	218.3	190.7	176.3	159.9	147.6	141.5	138.4
27.5°	1891.2	1647.2	1025.0	373.1	190.7	170.2	151.7	134.3	119.9	110.7	109.7
30°	1839.9	1602.1	902.0	258.3	173.2	150.7	130.2	109.7	95.3	89.2	87.1
32.5°	1818.4	1560.1	767.7	198.9	157.9	133.3	109.7	91.2	80.0	73.8	72.8
35°	1792.8	1498.6	637.6	173.2	143.5	115.8	92.3	76.9	67.7	62.5	62.5
37.5°	1795.9	1449.4	515.6	156.8	128.1	99.4	78.9	65.6	57.4	52.3	52.3
40°	1786.6	1410.4	400.8	142.5	113.8	85.1	66.6	55.4	48.2	43.1	42.0
42.5°	1828.7	1400.2	302.4	130.2	99.4	72.8	57.4	47.2	40.0	33.8	33.8
45°	1899.4	1416.6	235.8	118.9	85.1	62.5	49.2	39.0	31.8	27.7	26.7
47.5°	2088.0	1481.2	184.5	109.7	72.8	54.3	41.0	31.8	25.6	21.5	20.5
50°	2361.7	1625.7	156.8	96.4	61.5	46.1	33.8	24.6	20.5	16.4	15.4
52.5°	2751.2	1868.6	142.5	85.1	51.3	37.9	26.7	19.5	15.4	12.3	11.3
55°	3175.5	2172.0	129.2	71.8	43.1	30.8	21.5	15.4	11.3	8.2	7.2
57.5°	3506.6	2434.4	117.9	59.5	34.9	24.6	16.4	11.3	8.2	5.1	4.1
60°	3868.5	2619.0	103.5	47.2	28.7	18.5	12.3	8.2	6.2	3.1	3.1
62.5°	4241.6	2835.2	85.1	36.9	22.6	14.4	9.2	6.2	4.1	1.0	1.0
65°	4760.2	3004.4	65.6	28.7	17.4	10.3	7.2	5.1	2.1	0.0	0.0
67.5°	4906.8	2921.3	48.2	22.6	12.3	7.2	5.1	3.1	1.0	0.0	0.0
69°	4760.2	2631.3	42.0	19.5	10.3	6.2	4.1	2.1	1.0	0.0	0.0
70°	4492.7	2405.7	36.9	16.4	9.2	6.2	3.1	2.1	1.0	0.0	0.0
72.5°	3757.8	1845.1	28.7	12.3	7.2	5.1	3.1	2.1	0.0	0.0	0.0
75°	2756.3	1139.8	21.5	9.2	6.2	4.1	3.1	2.1	0.0	0.0	0.0
77.5°	1477.1	416.2	15.4	6.2	4.1	3.1	3.1	2.1	0.0	0.0	0.0
80°	404.9	123.0	11.3	4.1	3.1	2.1	2.1	1.0	0.0	0.0	0.0
82.5°	110.7	31.8	7.2	4.1	3.1	2.1	1.0	0.0	0.0	0.0	0.0
85°	59.5	12.3	4.1	3.1	2.1	1.0	0.0	0.0	0.0	0.0	0.0
87.5°	30.8	4.1	3.1	2.1	2.1	1.0	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)