

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: P480826

Luminaire Tested: **IFLD-S-SA6D-730-U-SL4**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P480826
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-730-U-SL4
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL4 distribution lens
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

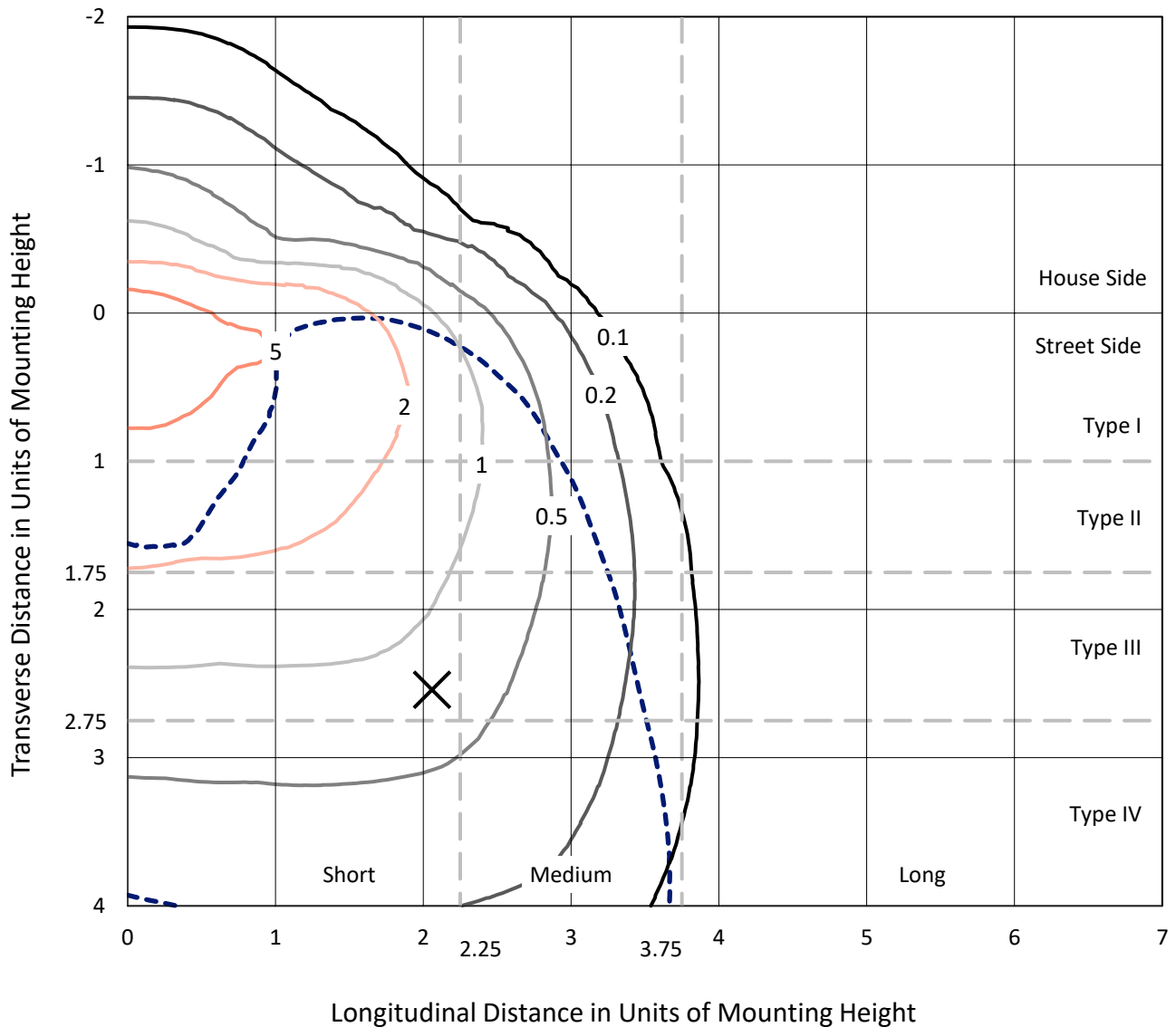
Lumens per Lamp: N/A
Luminaire Lumens: 40272 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 368.2
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: P480826
 CATALOG NUMBER: IFLD-S-SA6D-730-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

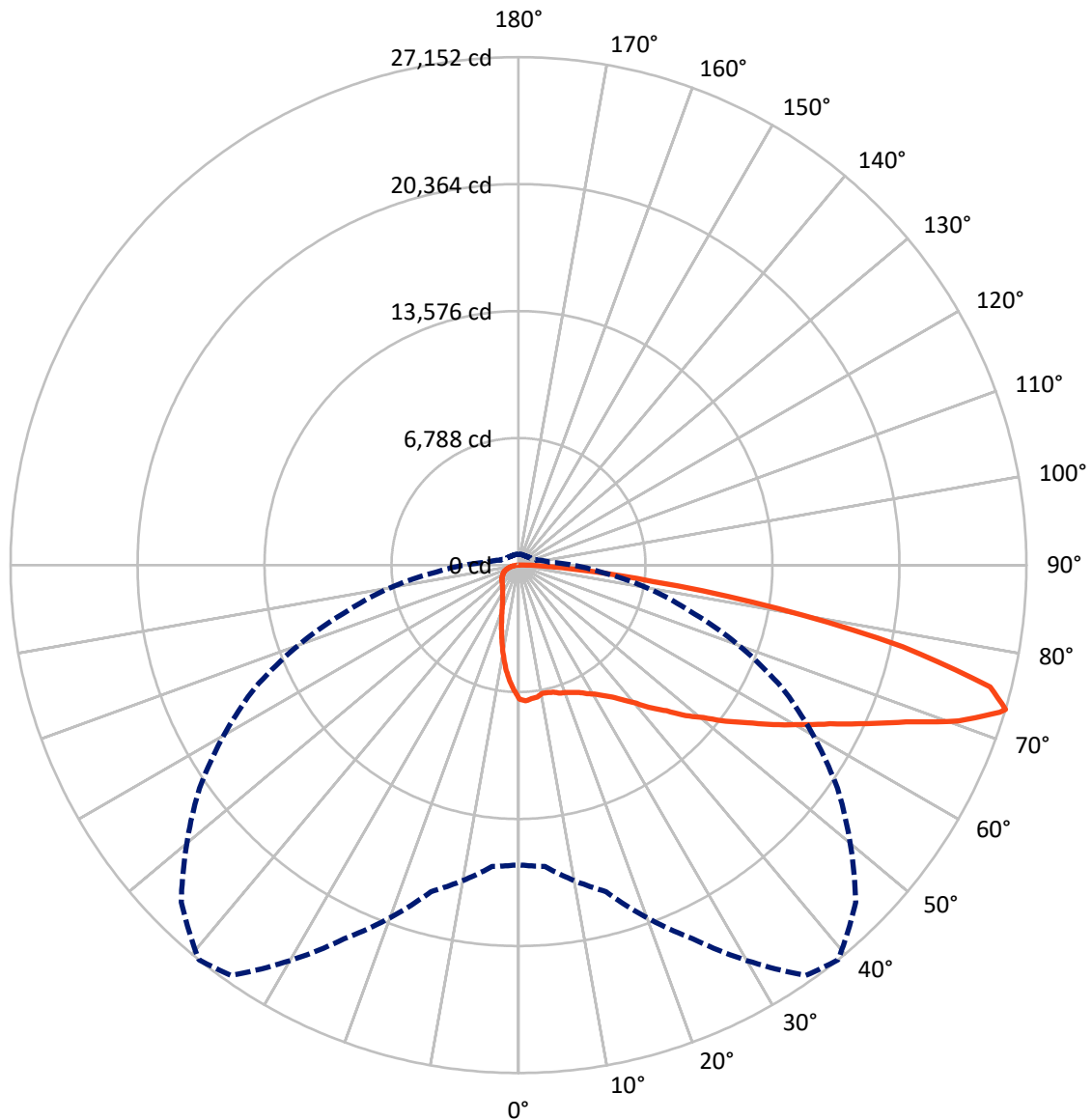
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8 fc
 Type IV - Short - N/A

REPORT NUMBER: P480826
CATALOG NUMBER: IFLD-S-SA6D-730-U-SL4

Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

REPORT NUMBER: P480826
 CATALOG NUMBER: IFLD-S-SA6D-730-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5661.1	0.0	5661.1
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	34610.9	0.0	34610.9
	% Fixture	85.9	0.0	85.9
Total	Lumens	40272.0	0.0	40272.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	622.3	1.5
10°-20°	1582.0	3.9
20°-30°	2417.4	6.0
30°-40°	3524.7	8.8
40°-50°	5326.1	13.2
50°-60°	7712.6	19.2
60°-70°	9799.2	24.3
70°-80°	7943.8	19.7
80°-90°	1344.0	3.3
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°	40272.0	100.0
0°-180°	40272.0	100.0

Coefficient of Utilization



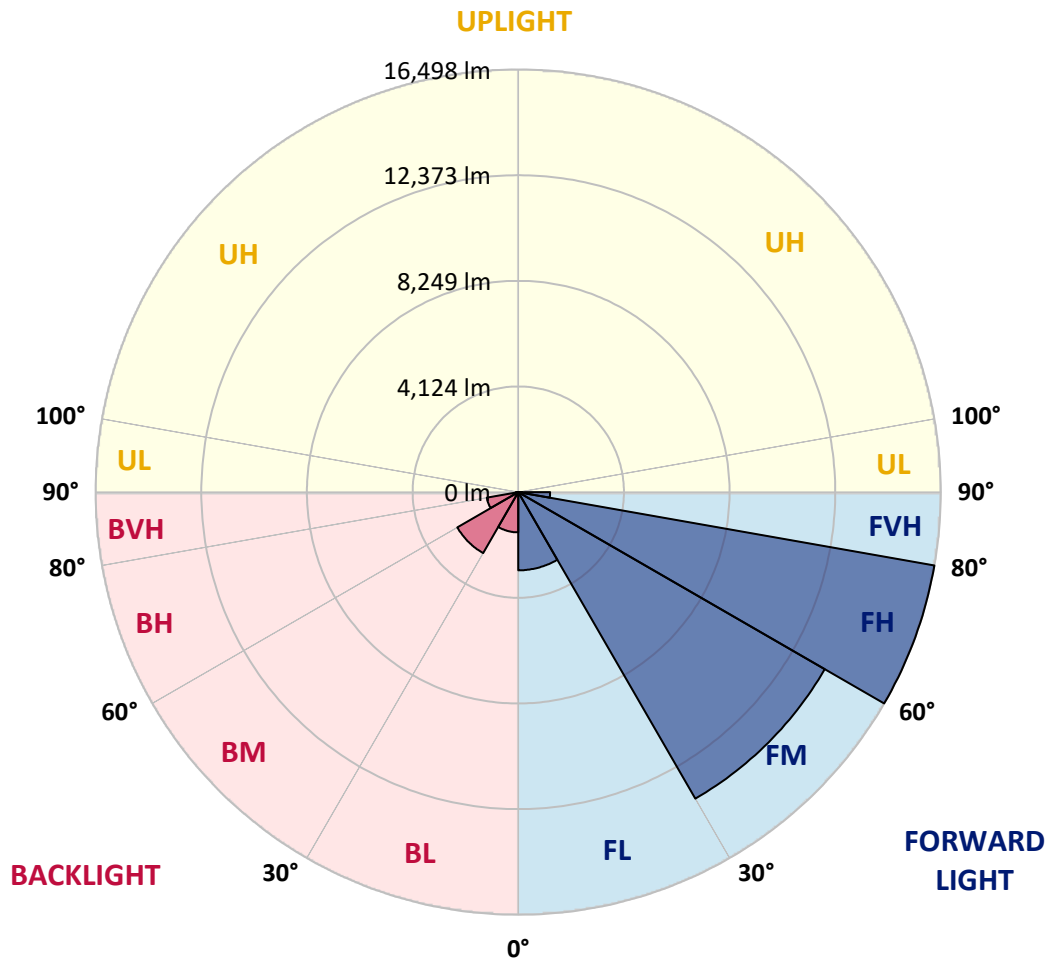
REPORT NUMBER: P480826
 CATALOG NUMBER: IFLD-S-SA6D-730-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3051.7	7.6			
FM (30°-60°)	13815.9	34.3			
FH (60°-80°)	16497.8	41.0			G5
FVH (80°-90°)	1245.4	3.1			G5
BL (0°-30°)	1569.9	3.9	B3/2500		
BM (30°-60°)	2747.5	6.8	B3/5000		
BH (60°-80°)	1245.1	3.1	B3/2500		G3/2500
BVH (80°-90°)	98.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short





REPORT NUMBER: P480826
 CATALOG NUMBER: IFLD-S-SA6D-730-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	7168.7	7168.7	7168.7	7168.7	7168.7	7168.7	7168.7	7168.7	7168.7	7168.7	7168.7
2.5°	7339.9	7263.3	7276.8	7249.8	7276.8	7267.8	7254.3	7186.7	7254.3	7186.7	7168.7
5°	7240.8	7240.8	7285.8	7218.2	7227.2	7182.2	7227.2	7177.7	7132.6	7020.0	6988.4
7.5°	7209.2	7204.7	7209.2	7114.6	7159.7	7132.6	7087.6	7033.5	6943.4	6871.3	6767.7
10°	6992.9	7038.0	6988.4	7015.5	7051.5	6970.4	6965.9	6952.4	6911.8	6817.2	6754.1
12.5°	6875.8	6952.4	6979.4	6956.9	6988.4	6997.4	6970.4	6952.4	6902.8	6839.7	6659.5
15°	6925.4	6835.2	6911.8	7060.5	7029.0	7051.5	7056.0	7038.0	7015.5	6898.3	6781.2
17.5°	6938.9	6884.8	7047.0	7078.6	7119.1	7200.2	7146.1	7141.6	7056.0	6974.9	6803.7
20°	6970.4	6947.9	7078.6	7245.3	7249.8	7263.3	7290.3	7222.7	7177.7	7038.0	6776.7
22.5°	7087.6	7164.2	7285.8	7357.9	7398.5	7407.5	7407.5	7272.3	7222.7	7110.1	6902.8
25°	7439.0	7357.9	7529.1	7614.7	7556.2	7542.6	7511.1	7389.4	7335.4	7236.3	6961.4
27.5°	7695.8	7691.3	7790.5	7907.6	7749.9	7781.4	7668.8	7632.8	7511.1	7457.0	7065.0
30°	8047.3	8146.4	8141.9	8178.0	7970.7	8006.7	7862.6	7795.0	7727.4	7758.9	7371.4
32.5°	8497.9	8461.8	8520.4	8493.4	8286.1	8317.6	8146.4	8042.8	8065.3	8159.9	7790.5
35°	8786.2	8750.2	8772.7	8772.7	8709.6	8673.6	8601.5	8466.3	8574.5	8750.2	8259.1
37.5°	9097.1	9142.2	9272.9	9245.8	9164.7	9164.7	9155.7	9061.1	9200.8	9633.3	9007.0
40°	9372.0	9493.6	9574.7	9628.8	9723.4	9723.4	9800.0	9746.0	9998.3	10692.2	9921.7
42.5°	9660.4	9664.9	10106.4	10147.0	10358.7	10448.9	10507.4	10552.5	11025.6	11800.6	10899.4
45°	10029.8	10052.4	10439.8	10750.7	11079.7	11111.2	11332.0	11480.7	12061.9	13012.6	11962.8
47.5°	10516.4	10489.4	10903.9	11399.6	11809.6	12025.9	12291.7	12453.9	13170.3	14328.3	13125.3
50°	11156.3	11075.2	11314.0	12093.5	12575.6	12814.4	13287.5	13557.8	14395.9	15585.4	13922.8
52.5°	11935.8	11800.6	11989.8	12841.4	13382.1	13864.2	14314.8	14616.7	15490.8	16558.7	14513.1
55°	12760.3	12481.0	12535.0	13634.4	14413.9	14869.0	15486.3	15801.7	16693.8	17432.8	15103.3
57.5°	13575.9	13400.1	13292.0	14395.9	15644.0	16081.1	16648.8	17058.8	17815.8	18207.8	15603.5
60°	14260.7	14215.7	14040.0	15576.4	16946.2	17320.1	17914.9	18167.2	18739.5	18924.2	15612.5
62.5°	14824.0	14670.8	14950.1	16527.1	18270.9	18694.4	19347.7	19370.3	19775.8	19370.3	15152.9
65°	15265.5	15274.5	15720.6	17676.1	19802.8	20429.1	20956.3	20897.7	20636.4	19104.4	14067.0
67.5°	15666.5	15837.8	16491.1	18937.7	21771.8	22362.1	22947.8	22172.9	20870.7	17860.8	11944.8
70°	15981.9	16153.2	17531.9	20474.2	24092.3	24957.4	25088.1	22677.5	19793.8	15130.3	9011.5
72.5°	15945.9	16256.8	18122.2	21699.7	26151.4	26899.4	25845.0	21258.2	16491.1	10548.0	5258.2
73°	16022.5	16175.7	18072.6	22042.2	26777.7	27151.7	25493.6	20812.1	15553.9	9462.1	4447.2
75°	14544.6	15062.8	17176.0	21483.5	26106.4	26038.8	23475.0	17342.7	11057.1	4969.9	2153.8
77.5°	10759.8	11088.7	13535.3	17667.1	21429.4	20996.8	17707.6	11084.2	5249.2	1842.9	1162.5
80°	5258.2	5515.1	7173.2	10201.0	14012.9	14049.0	10989.6	5767.4	2248.4	1040.8	793.0
82.5°	2626.9	2780.1	3446.9	4483.2	6893.8	7222.7	5573.6	3280.2	1392.3	590.3	450.6
85°	1716.7	1824.8	2122.2	2194.3	2924.2	3086.4	2595.3	2559.3	905.7	319.9	365.0
87.5°	1140.0	1158.0	1302.2	1108.4	1171.5	1126.4	1252.6	1613.1	265.8	135.2	99.1
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: P480826
 CATALOG NUMBER: IFLD-S-SA6D-730-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7168.7	7168.7	7168.7	7168.7	7168.7	7168.7	7168.7	7168.7	7168.7	7168.7	7168.7
2.5°	7146.1	7083.1	7015.5	6920.8	6853.3	6749.6	6655.0	6614.5	6605.4	6610.0	6564.9
5°	6961.4	6871.3	6736.1	6542.4	6429.7	6258.5	6114.3	6037.7	5956.6	5970.1	5934.1
7.5°	6704.6	6605.4	6398.2	6172.9	5893.5	5650.2	5515.1	5325.8	5217.7	5136.6	5181.6
10°	6623.5	6452.3	6141.4	5830.5	5397.9	5078.0	4767.1	4550.8	4402.1	4257.9	4321.0
12.5°	6582.9	6411.7	5979.1	5519.6	4960.8	4474.2	4037.2	3771.3	3559.6	3433.4	3483.0
15°	6546.9	6335.1	5825.9	5177.1	4550.8	3911.0	3419.9	3068.4	2865.7	2744.0	2757.5
17.5°	6596.4	6294.5	5600.7	4843.7	4100.2	3415.4	2870.2	2505.2	2297.9	2221.3	2203.3
20°	6546.9	6249.5	5379.9	4510.3	3649.7	2942.3	2419.6	2117.7	1973.5	1910.4	1896.9
22.5°	6564.9	6141.4	5150.1	4140.8	3230.6	2545.8	2117.7	1887.9	1775.3	1743.7	1752.7
25°	6650.5	6078.3	4920.3	3735.3	2816.1	2252.9	1924.0	1748.2	1667.1	1635.6	1644.6
27.5°	6713.6	6132.3	4713.0	3352.3	2464.7	1991.5	1761.8	1644.6	1590.5	1568.0	1563.5
30°	6871.3	6163.9	4510.3	3009.8	2176.3	1820.3	1649.1	1554.5	1518.4	1504.9	1500.4
32.5°	7105.6	6222.5	4276.0	2694.4	1964.5	1658.1	1559.0	1477.9	1468.9	1455.4	1459.9
35°	7488.6	6425.2	4014.6	2424.1	1761.8	1550.0	1464.4	1410.3	1410.3	1410.3	1423.8
37.5°	8038.3	6709.1	3780.3	2167.3	1631.1	1455.4	1383.3	1365.2	1356.2	1369.8	1378.8
40°	8745.7	7051.5	3591.1	1964.5	1518.4	1392.3	1329.2	1320.2	1315.7	1311.2	1320.2
42.5°	9520.7	7488.6	3428.9	1806.8	1437.3	1324.7	1279.6	1270.6	1252.6	1261.6	1275.1
45°	10291.2	8029.3	3284.7	1680.6	1383.3	1288.6	1225.6	1221.1	1212.0	1207.5	1230.1
47.5°	11147.3	8560.9	3239.6	1604.1	1342.7	1234.6	1189.5	1185.0	1158.0	1153.5	1171.5
50°	11814.1	8952.9	3289.2	1568.0	1284.1	1194.0	1162.5	1140.0	1117.4	1094.9	1094.9
52.5°	12273.7	9223.3	3325.3	1541.0	1252.6	1140.0	1099.4	1090.4	1067.9	1045.3	1036.3
55°	12688.2	9385.5	3334.3	1545.5	1221.1	1076.9	1049.8	1045.3	1031.8	995.8	986.8
57.5°	12827.9	9317.9	3154.0	1504.9	1203.0	1036.3	1000.3	1009.3	991.3	959.7	955.2
60°	12814.4	8849.3	2744.0	1450.9	1162.5	991.3	946.2	973.2	973.2	937.2	932.7
62.5°	12034.9	7767.9	2243.9	1347.2	1117.4	946.2	896.6	937.2	950.7	928.2	923.7
65°	10417.3	6326.1	1874.4	1243.6	1049.8	896.6	847.1	892.1	914.7	905.7	901.2
67.5°	8619.5	4839.2	1559.0	1108.4	964.2	829.1	788.5	820.0	833.6	838.1	842.6
70°	6091.8	3221.6	1302.2	959.7	847.1	757.0	711.9	716.4	711.9	725.4	725.4
72.5°	3311.7	1856.4	1058.9	815.5	729.9	657.8	626.3	603.8	603.8	599.3	599.3
73°	2834.1	1667.1	1009.3	793.0	698.4	639.8	603.8	585.7	585.7	581.2	576.7
75°	1590.5	1221.1	865.1	680.4	603.8	558.7	531.7	504.6	500.1	500.1	500.1
77.5°	1045.3	950.7	689.4	545.2	486.6	446.1	437.1	410.0	410.0	410.0	405.5
80°	784.0	748.0	531.7	414.5	374.0	342.4	333.4	315.4	310.9	292.9	297.4
82.5°	522.7	590.3	387.5	292.9	252.3	234.3	234.3	229.8	216.3	193.7	193.7
85°	414.5	482.1	279.4	180.2	148.7	126.2	130.7	126.2	121.7	99.1	94.6
87.5°	76.6	193.7	81.1	49.6	36.0	22.5	22.5	13.5	9.0	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)