

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: P483065

Luminaire Tested: **IFLD-S-SA2A-722-U-T4FT-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483065
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-722-U-T4FT-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens with House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

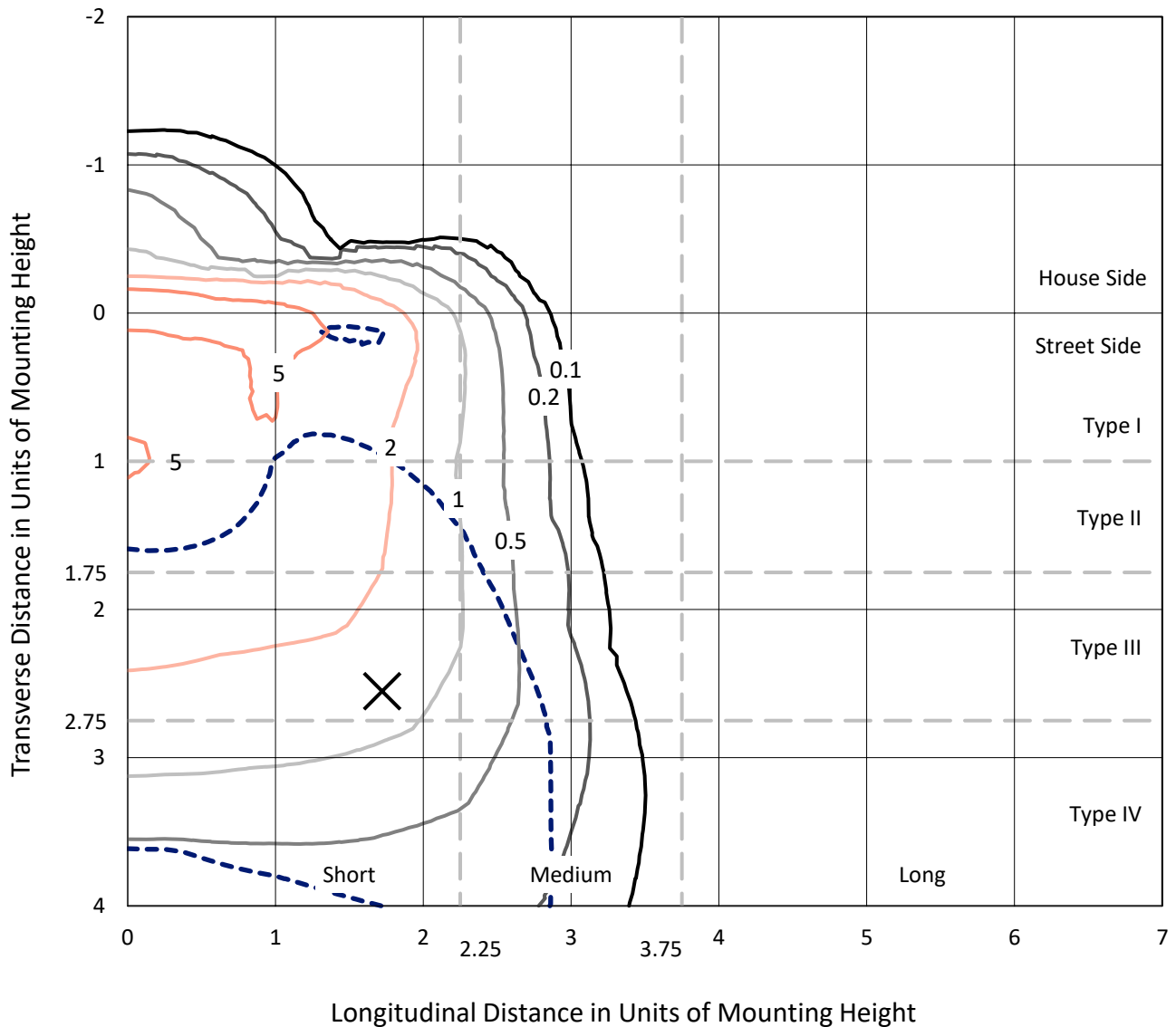
Lumens per Lamp: N/A
Luminaire Lumens: 4917.3 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 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: P483065
 CATALOG NUMBER: IFLD-S-SA2A-722-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

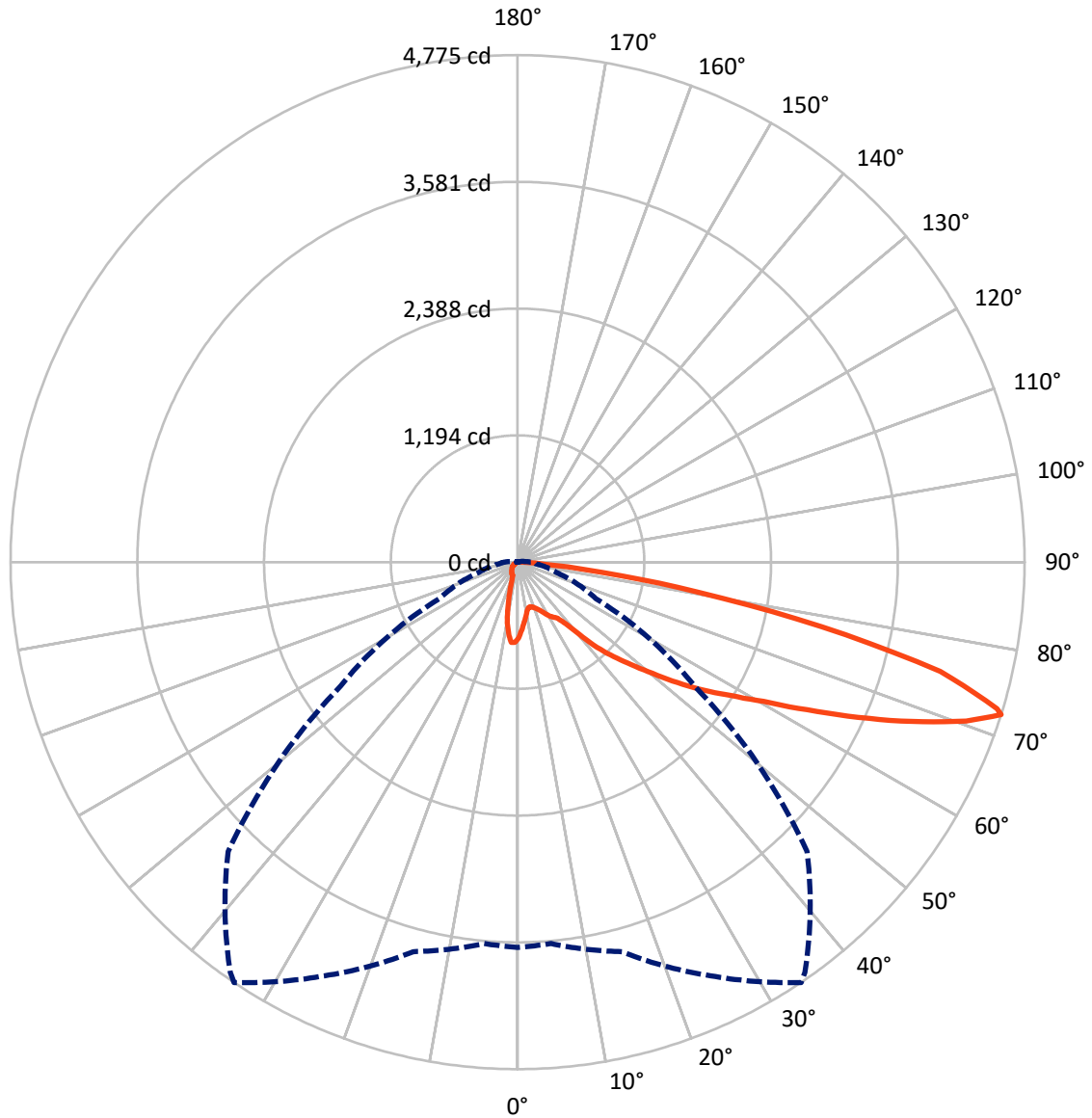
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P483065
CATALOG NUMBER: IFLD-S-SA2A-722-U-T4FT-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 34-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	503.4	0.0	503.4
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	4413.9	0.0	4413.9
	% Fixture	89.8	0.0	89.8
Total	Lumens	4917.3	0.0	4917.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	1.3
10°-20°	141.4	2.9
20°-30°	213.4	4.3
30°-40°	346.3	7.0
40°-50°	651.2	13.2
50°-60°	1064.8	21.7
60°-70°	1415.5	28.8
70°-80°	947.9	19.3
80°-90°	74.3	1.5
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°	4917.3	100.0
0°-180°	4917.3	100.0

Coefficient of Utilization

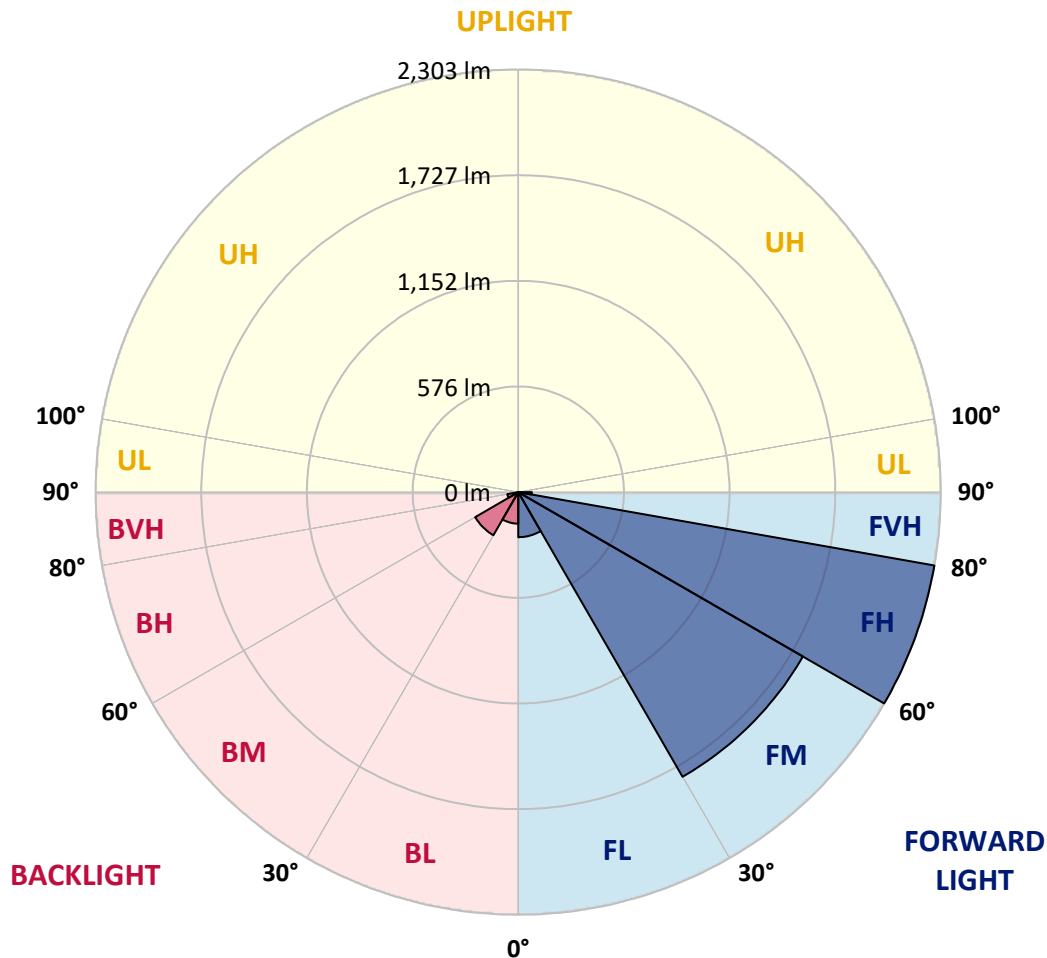


REPORT NUMBER: P483065
 CATALOG NUMBER: IFLD-S-SA2A-722-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	245.5	5.0			
FM (30°-60°)	1791.4	36.4			
FH (60°-80°)	2303.2	46.8			G2/5000
FVH (80°-90°)	73.8	1.5			G1/100
BL (0°-30°)	171.8	3.5	B1/500		
BM (30°-60°)	271.0	5.5	B1/1000		
BH (60°-80°)	60.2	1.2	B0/110		G0/110
BVH (80°-90°)	0.5	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 IV Short





REPORT NUMBER: P483065

CATALOG NUMBER: IFLD-S-SA2A-722-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	719.4	719.4	719.4	719.4	719.4	719.4	719.4	719.4	719.4	719.4	719.4
2.5°	636.2	634.8	639.1	646.2	653.3	650.5	664.0	678.2	688.1	701.6	718.0
5°	555.9	559.5	563.7	577.9	587.2	589.3	614.2	632.7	663.2	694.5	723.7
7.5°	482.7	487.0	495.5	511.1	530.3	535.3	560.2	597.1	636.9	678.2	725.8
10°	429.4	433.6	442.9	452.8	478.4	478.4	512.5	563.7	615.6	664.0	726.5
12.5°	418.0	420.1	419.4	427.2	443.6	447.1	480.6	536.7	597.1	659.0	737.9
15°	431.5	432.9	425.8	421.6	435.8	439.3	470.6	520.4	585.1	661.8	756.4
17.5°	458.5	453.5	439.3	432.9	445.0	447.1	476.3	519.7	583.6	669.6	777.7
20°	474.2	479.8	455.0	442.9	459.9	462.8	494.1	531.0	590.7	683.2	807.6
22.5°	501.9	504.7	471.3	463.5	479.8	479.8	515.4	553.8	607.8	705.2	843.1
25°	541.0	537.4	498.3	490.5	506.1	512.5	548.1	590.0	634.1	725.8	875.8
27.5°	571.5	573.7	541.7	521.1	547.4	551.6	590.0	629.1	654.0	742.9	915.6
30°	617.0	612.8	578.7	555.2	587.9	588.6	625.6	666.1	692.4	773.4	975.3
32.5°	671.1	662.5	623.4	590.0	616.3	622.7	660.4	719.4	752.1	831.0	1067.7
35°	785.5	764.9	700.9	649.0	651.2	654.0	712.3	796.9	834.6	904.2	1191.4
37.5°	952.6	944.0	871.5	772.7	735.0	726.5	791.9	899.3	946.2	1000.9	1352.1
40°	1118.2	1106.1	1038.6	964.0	895.7	878.6	911.3	1035.0	1077.7	1135.3	1517.0
42.5°	1302.3	1281.0	1201.4	1141.0	1098.3	1079.8	1067.0	1205.6	1254.0	1293.1	1678.4
45°	1488.6	1453.7	1338.6	1292.4	1269.6	1259.7	1258.3	1420.3	1449.5	1457.3	1857.5
47.5°	1652.1	1614.4	1509.9	1458.0	1440.9	1438.1	1517.7	1667.7	1645.0	1624.4	2057.3
50°	1777.9	1753.7	1678.4	1659.9	1647.1	1642.1	1828.4	1922.2	1817.0	1780.7	2232.9
52.5°	1972.7	1918.7	1833.4	1839.8	1884.5	1885.2	2143.3	2163.9	1959.9	1888.1	2398.5
55°	2128.4	2092.8	2023.2	2013.9	2131.9	2144.7	2425.5	2347.3	2039.5	1990.5	2459.6
57.5°	2311.8	2295.4	2245.0	2246.4	2370.1	2397.1	2676.5	2502.3	2105.6	2056.6	2468.9
60°	2576.9	2530.0	2503.7	2515.8	2661.5	2687.8	2919.6	2613.9	2137.6	2099.9	2446.1
62.5°	2869.8	2815.1	2786.6	2848.5	3061.0	3065.3	3104.4	2712.7	2117.7	2111.3	2299.7
65°	3222.4	3168.4	3145.6	3270.0	3522.4	3506.8	3363.9	2754.7	2054.4	1996.9	1915.1
67.5°	3573.6	3540.9	3494.0	3692.3	4006.5	4006.5	3633.3	2739.0	1888.8	1603.0	1252.6
70°	3739.9	3762.7	3837.3	4148.7	4482.1	4448.0	3899.2	2559.2	1406.1	860.9	492.6
72°	3629.0	3605.6	3798.2	4298.0	4775.0	4718.8	3854.4	2034.5	812.5	377.5	171.3
72.5°	3438.5	3460.6	3725.7	4277.4	4720.2	4766.4	3744.9	1876.7	668.2	300.7	129.4
75°	2108.5	2146.1	2781.0	3631.9	4113.1	4061.2	2896.8	894.3	256.6	128.0	46.2
77.5°	769.9	801.2	1349.2	2285.5	2925.3	2892.6	1676.2	317.8	139.3	95.3	23.5
80°	200.5	216.8	458.5	1054.2	1720.3	1722.5	701.6	127.2	94.5	78.2	14.2
82.5°	39.8	44.1	140.8	410.2	804.0	793.3	221.8	68.2	71.1	64.0	10.0
85°	5.0	6.4	29.9	139.3	260.2	233.2	54.7	34.1	52.6	49.8	6.4
87.5°	0.7	0.7	7.1	32.0	54.7	53.3	11.4	10.7	23.5	30.6	3.6
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: P483065

CATALOG NUMBER: IFLD-S-SA2A-722-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	719.4	719.4	719.4	719.4	719.4	719.4	719.4	719.4	719.4	719.4	719.4
2.5°	727.2	730.1	740.0	748.6	758.5	761.4	757.1	764.2	754.2	759.9	761.4
5°	728.6	745.0	763.5	775.6	772.7	765.6	759.9	740.7	727.2	722.3	732.9
7.5°	738.6	757.1	777.0	777.0	761.4	724.4	688.8	654.7	626.3	612.1	624.2
10°	751.4	770.6	791.2	764.2	705.9	638.4	587.9	523.9	480.6	457.8	459.9
12.5°	768.5	795.5	802.6	740.0	643.3	543.1	451.4	362.5	321.3	288.6	289.3
15°	790.5	816.8	795.5	687.4	563.7	415.9	305.7	221.1	188.4	171.3	171.3
17.5°	819.6	839.5	793.3	639.1	456.4	284.4	187.7	149.3	142.2	139.3	139.3
20°	853.8	868.7	772.7	563.7	339.1	182.7	137.9	133.6	134.4	132.9	132.9
22.5°	892.2	897.1	749.3	476.3	229.6	135.1	128.7	129.4	130.1	128.7	129.4
25°	932.7	919.2	715.1	373.9	152.8	123.0	124.4	125.8	126.5	127.2	127.2
27.5°	978.2	951.2	667.5	273.7	119.4	115.9	120.1	124.4	125.1	125.1	124.4
30°	1045.0	1000.2	621.3	185.5	105.2	108.1	115.2	120.1	123.7	123.7	123.0
32.5°	1129.6	1051.4	556.6	126.5	97.4	98.8	104.5	114.5	122.3	123.0	120.8
35°	1246.9	1113.2	489.1	100.9	91.7	92.4	96.0	103.8	117.3	121.6	120.8
37.5°	1370.6	1183.6	405.2	91.0	87.4	86.7	88.9	95.3	107.3	118.0	118.7
40°	1502.1	1257.5	317.1	86.0	83.9	82.5	83.2	86.0	95.3	108.8	111.6
42.5°	1625.8	1324.4	238.1	81.0	80.3	78.9	78.9	79.6	84.6	93.8	95.3
45°	1759.4	1379.1	181.3	77.5	75.4	76.1	73.2	71.8	75.4	76.1	75.4
47.5°	1884.5	1433.8	145.0	73.2	71.1	71.1	67.5	64.7	64.7	58.3	57.6
50°	2001.8	1463.7	115.9	67.5	66.8	66.1	61.1	56.2	51.9	44.1	42.7
52.5°	2099.2	1462.3	89.6	60.4	62.6	60.4	52.6	45.5	39.1	32.0	30.6
55°	2128.4	1394.0	67.5	49.8	53.3	50.5	41.9	35.5	28.4	22.7	22.0
57.5°	2103.5	1290.2	51.2	38.4	41.2	38.4	32.0	26.3	19.9	15.6	14.2
60°	2020.3	1168.7	39.8	29.9	31.3	29.1	24.2	19.9	14.2	10.0	8.5
62.5°	1862.5	1016.6	30.6	23.5	22.7	22.7	18.5	14.9	10.0	5.7	5.0
65°	1528.4	792.6	23.5	16.4	16.4	16.4	14.2	10.7	6.4	2.8	1.4
67.5°	959.7	461.4	19.2	12.8	12.1	12.1	10.0	7.1	3.6	0.7	0.0
70°	361.1	169.2	14.9	10.0	9.2	9.2	7.1	4.3	2.1	0.0	0.0
72°	124.4	64.7	12.1	7.1	7.1	6.4	5.0	3.6	1.4	0.0	0.0
72.5°	102.4	51.9	11.4	7.1	6.4	6.4	5.0	3.6	1.4	0.0	0.0
75°	37.0	21.3	7.8	5.0	4.3	4.3	3.6	2.1	0.7	0.0	0.0
77.5°	18.5	13.5	6.4	4.3	3.6	2.1	2.1	1.4	0.7	0.0	0.0
80°	11.4	8.5	3.6	2.8	2.1	1.4	0.7	0.7	0.0	0.0	0.0
82.5°	7.8	5.0	2.1	2.1	1.4	0.7	0.0	0.0	0.0	0.0	0.0
85°	5.0	2.1	1.4	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.1	1.4	0.7	0.0	0.0	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)