

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: P482056

Luminaire Tested: **IFLD-S-SA3A-740-U-T2R-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P482056
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-740-U-T2R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens with House Side Shield
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

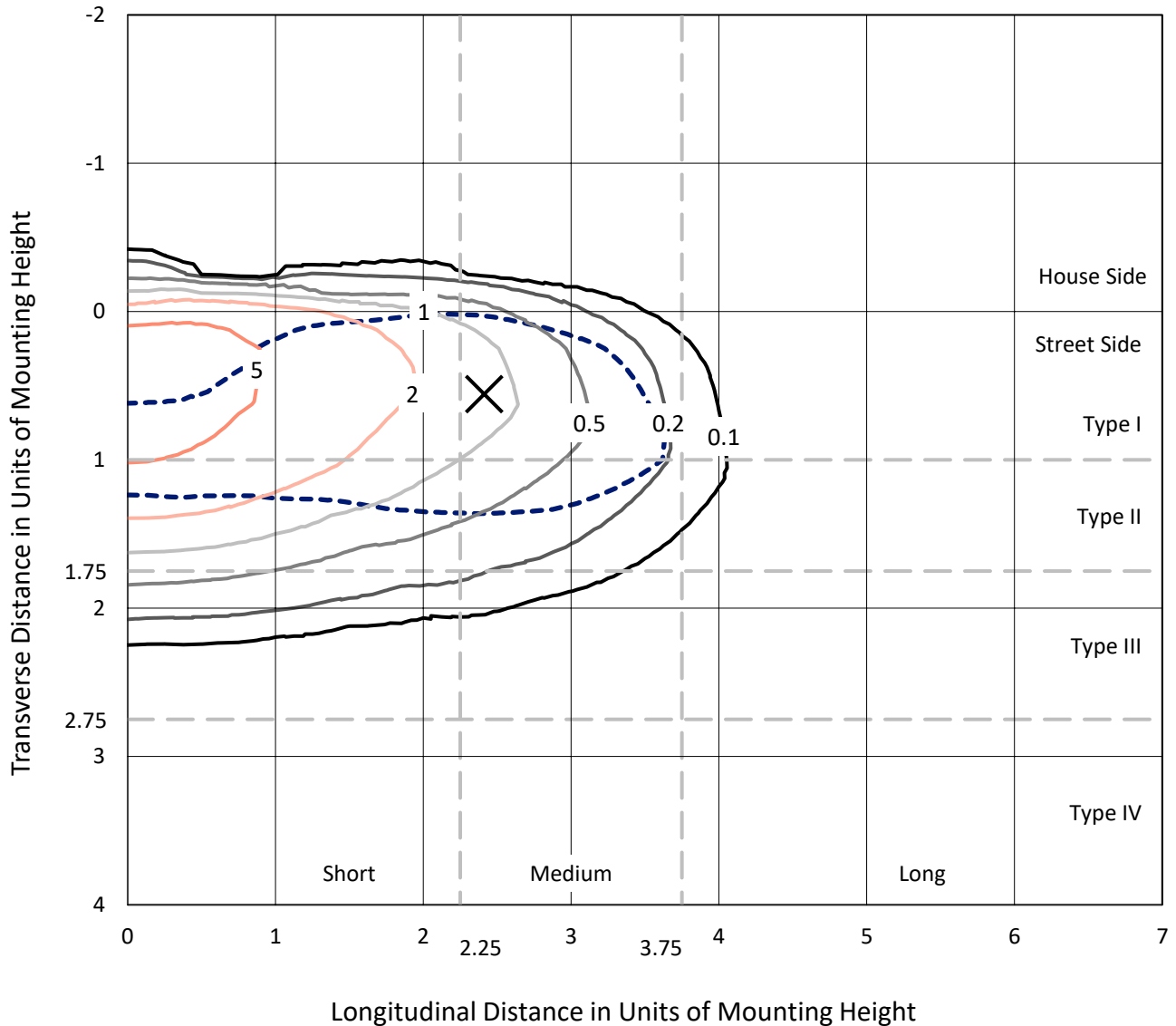
Lumens per Lamp: N/A
Luminaire Lumens: 10817.1 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 94.8
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

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Iso-Footcandle Lines of Horizontal Illumination

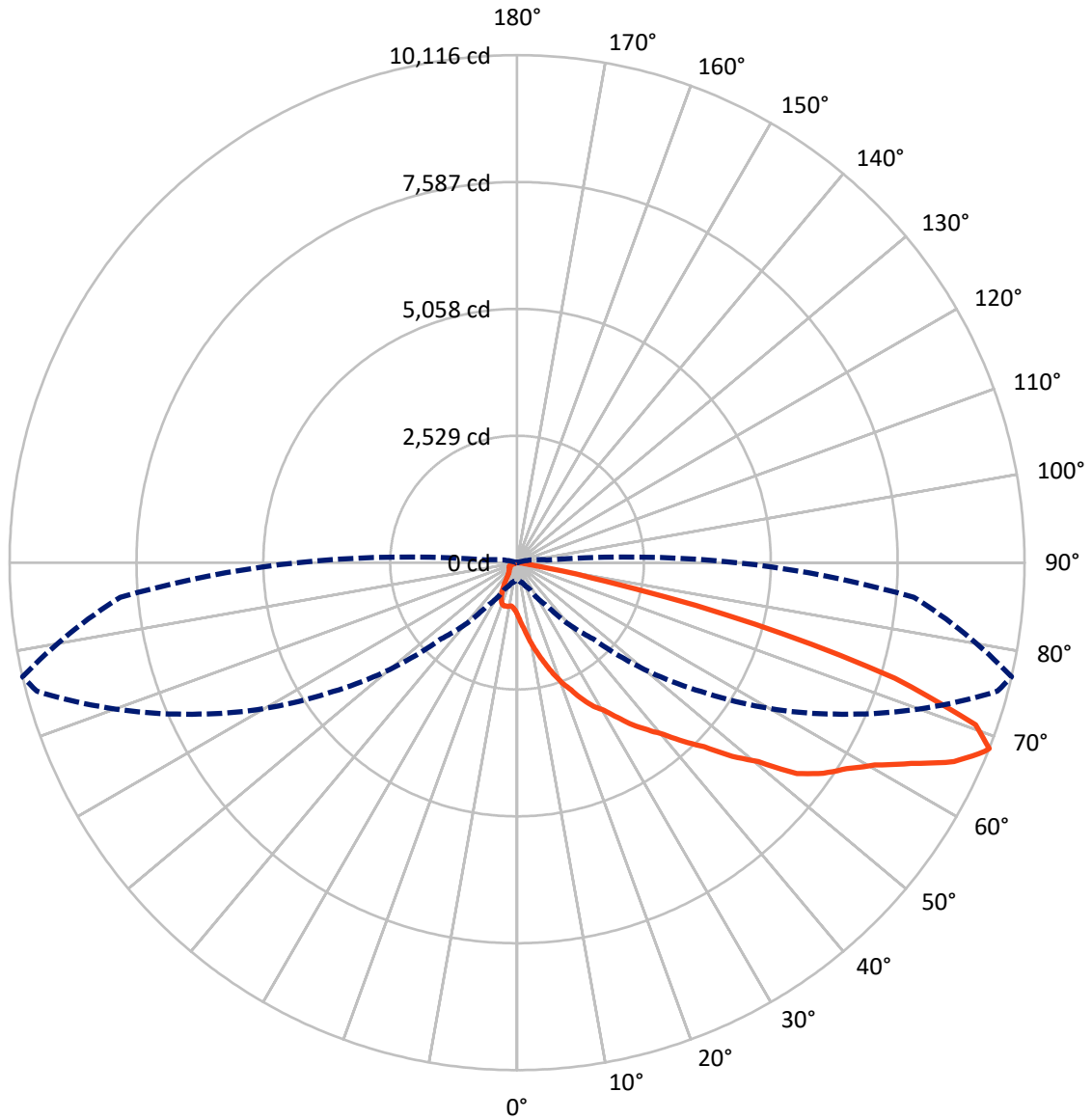
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	490.6	0.0	490.6
	% Fixture	4.5	0.0	4.5
Street Side	Lumens	10326.5	0.0	10326.5
	% Fixture	95.5	0.0	95.5
Total	Lumens	10817.1	0.0	10817.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.0	1.1
10°-20°	446.3	4.1
20°-30°	864.9	8.0
30°-40°	1507.8	13.9
40°-50°	2208.3	20.4
50°-60°	2594.4	24.0
60°-70°	2190.7	20.3
70°-80°	849.2	7.9
80°-90°	34.5	0.3
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°	10817.1	100.0
0°-180°	10817.1	100.0

Coefficient of Utilization

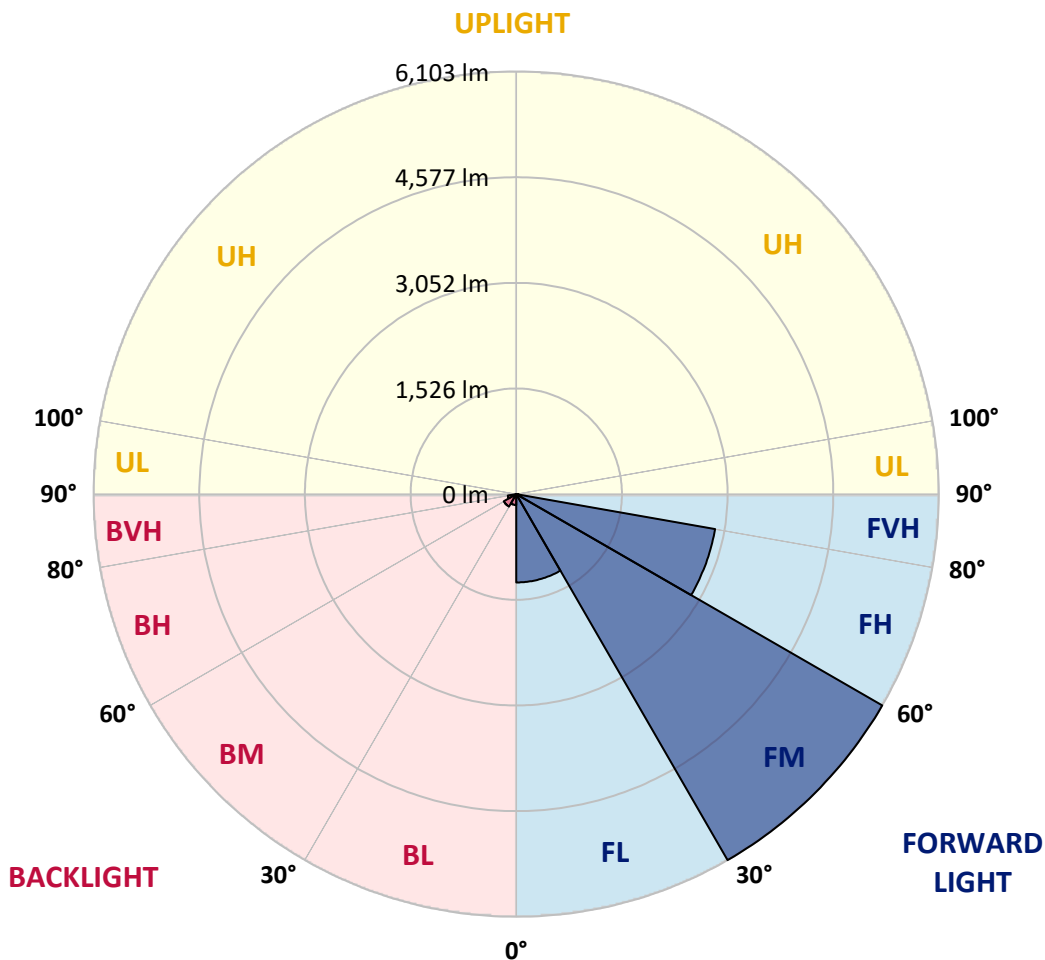


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1275.4	11.8			
FM (30°-60°)	6103.2	56.4			
FH (60°-80°)	2916.1	27.0			G2/5000
FVH (80°-90°)	31.9	0.3			G1/100
BL (0°-30°)	156.7	1.4	B1/500		
BM (30°-60°)	207.3	1.9	B0/220		
BH (60°-80°)	123.9	1.1	B1/500		G1/500
BVH (80°-90°)	2.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1035.7	1035.7	1035.7	1035.7	1035.7	1035.7	1035.7	1035.7	1035.7	1035.7	1035.7
2.5°	1573.7	1543.9	1512.6	1503.7	1445.6	1380.0	1318.9	1259.3	1159.4	1160.9	1092.4
5°	2028.3	1991.0	1965.7	1959.7	1868.8	1755.6	1663.2	1494.8	1329.3	1292.1	1166.9
7.5°	2402.3	2390.4	2353.2	2321.9	2254.8	2116.2	2007.4	1766.0	1514.1	1472.4	1257.8
10°	2628.9	2646.7	2663.1	2622.9	2570.7	2470.9	2321.9	2061.1	1724.3	1672.1	1375.5
12.5°	2870.3	2840.5	2850.9	2883.7	2815.2	2792.8	2608.0	2365.1	1970.2	1870.3	1524.6
15°	2932.9	2944.8	2970.1	3065.5	3111.7	3047.6	2888.2	2611.0	2225.0	2086.4	1663.2
17.5°	2974.6	2968.7	2999.9	3143.0	3213.1	3274.2	3174.3	2885.2	2447.1	2323.4	1836.0
20°	3026.8	2994.0	3062.5	3153.4	3315.9	3444.1	3439.6	3160.9	2679.5	2548.4	2007.4
22.5°	3220.5	3195.2	3250.3	3259.3	3372.5	3551.4	3594.6	3385.9	2918.0	2757.0	2192.2
25°	3578.2	3624.4	3558.8	3502.2	3536.5	3654.2	3685.5	3585.6	3157.9	3010.4	2377.0
27.5°	4101.3	4095.3	3965.7	3892.6	3810.7	3795.8	3818.1	3771.9	3347.2	3241.4	2529.0
30°	4663.1	4613.9	4494.7	4318.9	4138.5	4026.8	3995.5	3947.8	3569.2	3415.7	2679.5
32.5°	5110.2	5137.0	5004.4	4774.9	4475.3	4324.8	4174.3	4122.1	3813.6	3678.0	2852.4
35°	5521.5	5485.7	5379.9	5186.2	4917.9	4675.0	4439.6	4327.8	4107.2	3973.1	3043.2
37.5°	5825.5	5870.2	5669.1	5484.3	5217.5	5016.3	4785.3	4540.9	4409.8	4230.9	3275.7
40°	6113.2	6043.1	5907.5	5737.6	5490.2	5336.7	5184.7	4803.2	4731.7	4500.7	3537.9
42.5°	6062.5	6067.0	5992.4	5855.3	5676.5	5588.6	5536.4	5122.1	5023.8	4876.2	3794.3
45°	5855.3	5873.2	5898.6	5831.5	5846.4	5758.5	5898.6	5488.7	5391.9	5235.4	4089.3
47.5°	5627.3	5657.1	5651.2	5773.4	5912.0	5941.8	6292.0	5895.6	5853.8	5767.4	4497.7
50°	5248.8	5260.7	5375.5	5597.5	5786.8	6098.3	6587.1	6339.7	6403.8	6233.9	4983.5
52.5°	4602.0	4645.2	4940.3	5257.7	5639.2	6177.2	6786.8	6999.9	7162.3	6988.0	5450.0
55°	3783.8	3843.5	4134.1	4728.7	5287.5	6058.0	6968.6	7348.6	7678.0	7414.2	5733.1
57.5°	3044.7	3050.6	3311.4	3925.4	4788.3	5824.0	7061.0	7518.5	7961.1	7749.5	6078.9
60°	2320.4	2296.5	2530.5	3062.5	3947.8	5248.8	6830.0	7604.9	8314.3	8192.1	6494.7
62.5°	1493.3	1456.0	1710.8	2229.5	3083.4	4290.5	6368.0	7606.4	8865.7	8819.5	7190.6
65°	739.2	713.8	932.9	1366.6	2134.1	3281.6	5709.3	7578.1	9539.3	9569.1	7868.7
67.5°	390.5	399.4	469.4	693.0	1231.0	2318.9	4716.8	7245.8	9883.6	10050.5	8032.6
68°	359.2	362.1	417.3	576.7	1068.5	2150.5	4481.3	7148.9	9910.4	10116.1	7941.7
70°	292.1	296.6	315.9	362.1	578.2	1399.4	3457.5	6326.3	9506.5	9694.3	7189.1
72.5°	232.5	245.9	257.8	277.2	339.8	734.7	2150.5	4929.9	7853.8	7874.7	5596.0
75°	177.3	187.8	211.6	228.0	265.3	403.9	1023.8	3005.9	5153.4	4900.1	3296.5
77.5°	137.1	146.0	156.5	178.8	222.1	272.7	313.0	1275.7	2189.2	1801.8	931.4
80°	82.0	87.9	122.2	140.1	193.7	184.8	123.7	354.7	444.1	350.2	169.9
82.5°	47.7	52.2	70.0	107.3	135.6	99.8	73.0	110.3	108.8	95.4	56.6
85°	1.5	3.0	38.7	64.1	47.7	26.8	44.7	46.2	38.7	35.8	25.3
87.5°	0.0	1.5	10.4	8.9	10.4	6.0	8.9	11.9	14.9	13.4	10.4
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°	1035.7	1035.7	1035.7	1035.7	1035.7	1035.7	1035.7	1035.7	1035.7	1035.7	1035.7
2.5°	1046.2	1013.4	940.4	885.2	825.6	789.9	754.1	731.7	719.8	712.4	718.3
5°	1073.0	1004.5	886.7	782.4	713.8	667.6	621.4	597.6	575.3	563.3	570.8
7.5°	1132.6	1029.8	834.6	721.3	640.8	569.3	511.2	465.0	438.1	414.3	418.8
10°	1205.6	1044.7	836.1	685.5	569.3	456.0	374.1	315.9	283.2	262.3	260.8
12.5°	1280.2	1102.8	842.0	649.8	481.4	342.8	245.9	202.7	183.3	172.9	172.9
15°	1393.4	1155.0	827.1	584.2	365.1	223.5	168.4	153.5	146.0	137.1	138.6
17.5°	1491.8	1238.4	819.7	485.8	250.4	161.0	140.1	123.7	116.2	107.3	107.3
20°	1624.4	1290.6	779.4	375.6	172.9	134.1	113.3	98.4	86.4	79.0	80.5
22.5°	1745.1	1330.8	707.9	256.3	132.6	105.8	83.5	68.6	58.1	49.2	50.7
25°	1876.3	1371.1	603.6	158.0	93.9	65.6	44.7	32.8	22.4	16.4	16.4
27.5°	1970.2	1383.0	468.0	93.9	56.6	29.8	10.4	1.5	0.0	0.0	0.0
30°	2065.5	1387.5	323.4	50.7	22.4	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	2174.3	1386.0	202.7	26.8	1.5	0.0	0.0	0.0	0.0	0.0	0.0
35°	2257.8	1360.6	96.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	2384.5	1323.4	29.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	2529.0	1256.3	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	2658.7	1187.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	2806.2	1102.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	3065.5	1067.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	3403.8	1038.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	3612.5	955.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	3721.2	868.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	3882.2	827.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	4120.6	830.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	4493.2	871.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	4698.9	830.1	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	4524.5	664.7	28.3	7.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
68°	4374.0	611.0	28.3	7.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
70°	3615.4	397.9	26.8	7.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	2633.3	220.6	22.4	6.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1532.0	110.3	16.4	6.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	399.4	55.1	13.4	7.5	4.5	1.5	0.0	0.0	0.0	0.0	0.0
80°	79.0	35.8	11.9	8.9	6.0	3.0	0.0	0.0	0.0	0.0	0.0
82.5°	37.3	25.3	11.9	8.9	7.5	4.5	1.5	0.0	0.0	0.0	0.0
85°	19.4	11.9	11.9	8.9	8.9	6.0	3.0	0.0	0.0	0.0	0.0
87.5°	8.9	4.5	4.5	4.5	4.5	3.0	1.5	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)