

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: P599487

Luminaire Tested: **IFLD-S-SA2B-740-U-SLL-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599487
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA2B-740-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL 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: 8316.0 lumens
 Efficiency: N/A
 Efficacy: 100.9 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
 CIE Type: Direct

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: 25 FT

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	GONIO 1 IN0055	4/22/2021	10/22/2021
Power Meter	XITRON 2801 IN0197	12/1/2020	12/1/2021
AC Power Source	CHROMA 61505 IN0196	12/1/2020	12/1/2021
DC Power Supply	AGILENT E3634A IN0198	11/30/2020	11/30/2021
Room Thermometer	ONSET IN0143	12/1/2020	12/1/2021

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	106	100	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	79	79	79	79
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	61	61	61	61
3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	48	48	48	48
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	46	41	39	39	39	39
5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	32	32	32	32
6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	27	27	27	27
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	23	23	23	23
8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	20	20	20	20
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18	18	18	18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16	16	16	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	67313	67313	67313	67313
5°	70736	67330	49189	49478
10°	60827	58497	26894	26263
15°	59146	56224	17471	13165
20°	68174	65324	9361	4680
25°	85719	80179	6067	3639
30°	102953	95943	4912	2980
35°	121918	114389	4026	2392
40°	147095	138484	3558	1810
45°	167469	160168	3312	1218
50°	187870	180582	3272	744
55°	212457	211707	3250	334
60°	262175	268387	2962	95
65°	292534	322623	2715	0
70°	298288	364126	2518	0
75°	242711	268571	2404	0
80°	176477	112333	2479	0
85°	114091	47178	3285	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.5	2.9
10°-20°	465.8	5.6
20°-30°	644.6	7.8
30°-40°	911.0	11.0
40°-50°	1240.3	14.9
50°-60°	1642.7	19.8
60°-70°	1907.3	22.9
70°-80°	1080.1	13.0
80°-90°	186.6	2.2
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°-30°	1347.9	16.2
0°-40°	2258.9	27.2
0°-60°	5141.9	61.8
0°-90°	8316.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8316.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3127	3127	3127	3127	3127	
5°	3273	3116	2276	2290	3273	294
15°	2654	2523	784	591	2654	778
25°	3609	3376	255	153	3609	1683
35°	4639	4353	153	91	4639	2925
45°	5501	5261	109	40	5501	4265
55°	5661	5641	87	9	5661	5129
65°	5743	6334	53	0	5743	5598
75°	2918	3229	29	0	2918	3185
85°	462	191	13	0	462	555
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3126.8	3126.8	3126.8	3126.8	3126.8	3126.8	3126.8	3126.8	3126.8	3126.8	3126.8
2.5°	3248.9	3317.7	3320.0	3351.1	3382.1	3382.1	3455.4	3437.7	3373.3	3362.2	3315.5
5°	3273.3	3297.8	3315.5	3473.2	3606.4	3593.1	3633.1	3606.4	3482.1	3322.2	3213.4
7.5°	3062.4	3089.0	3160.1	3428.8	3608.7	3668.6	3744.1	3577.6	3446.5	3157.9	2949.1
10°	2782.6	2833.6	2964.7	3271.1	3493.2	3684.2	3684.2	3550.9	3297.8	3015.7	2760.3
12.5°	2627.1	2729.3	2800.3	3111.2	3399.9	3530.9	3526.5	3455.4	3291.1	2935.8	2647.1
15°	2653.8	2682.6	2833.6	3075.7	3266.7	3260.0	3340.0	3317.7	3202.3	3006.8	2689.3
17.5°	2775.9	2820.3	2951.3	3075.7	3166.7	3140.1	3137.9	3244.5	3251.1	3126.8	2847.0
20°	2975.8	3106.8	3169.0	3206.7	3095.7	2982.4	2969.1	3117.9	3233.4	3280.0	3035.7
22.5°	3295.5	3382.1	3508.7	3315.5	3026.8	2884.7	2858.1	3022.4	3255.6	3462.1	3280.0
25°	3608.7	3675.3	3797.4	3548.7	3104.6	2864.7	2818.1	2960.2	3340.0	3715.3	3575.3
27.5°	3939.5	3997.3	4010.6	3719.7	3146.7	2824.7	2769.2	2960.2	3411.0	3848.5	3928.4
30°	4141.6	4210.5	4223.8	3870.7	3215.6	2858.1	2831.4	2973.5	3459.9	3961.8	4181.6
32.5°	4368.1	4385.9	4374.8	3897.3	3291.1	2955.8	2844.7	3062.4	3515.4	4097.2	4412.6
35°	4639.1	4670.2	4556.9	4019.5	3459.9	3017.9	2978.0	3171.2	3610.9	4159.4	4692.4
37.5°	4845.6	4943.3	4687.9	4066.1	3493.2	3149.0	3155.6	3397.7	3677.5	4234.9	5001.0
40°	5234.2	5069.9	4910.0	4226.0	3619.8	3371.0	3335.5	3630.9	3901.8	4283.8	5203.1
42.5°	5447.4	5360.8	4996.6	4241.6	3815.2	3677.5	3686.4	3895.1	4019.5	4421.4	5258.6
45°	5500.7	5409.7	5114.3	4252.7	4008.4	4039.5	4192.7	4232.7	4192.7	4512.5	5363.0
47.5°	5636.2	5438.5	5101.0	4401.5	4321.5	4441.4	4636.8	4723.5	4428.1	4479.2	5411.9
50°	5609.5	5496.3	5072.1	4463.6	4703.5	5021.0	5152.1	5116.5	4690.1	4410.3	5358.6
52.5°	5498.5	5376.3	5160.9	4632.4	5061.0	5445.2	5627.3	5538.5	4923.3	4565.8	5323.0
55°	5660.6	5567.3	5276.4	4861.1	5329.7	5818.3	5947.1	5880.4	5209.8	4710.1	5525.1
57.5°	5836.0	5816.0	5589.5	5129.8	5647.3	6202.4	6202.4	6120.3	5458.5	4918.9	5824.9
60°	6089.2	6133.6	5820.5	5307.5	5756.1	6180.2	6502.2	6406.8	5709.5	5285.3	6164.7
62.5°	6007.0	6149.2	6118.1	5689.5	5880.4	6289.1	6464.5	6535.6	6020.4	5731.7	6617.7
65°	5742.8	5893.8	6115.8	5940.4	5787.2	6024.8	6113.6	6329.0	6175.8	6151.4	6804.3
67.5°	5427.4	5591.8	5729.4	6109.2	5598.4	5756.1	5678.4	5747.2	6007.0	6611.1	6910.9
70°	4739.0	4896.7	5114.3	5733.9	5098.8	4956.6	4936.6	4903.3	5307.5	6446.7	6426.7
72.5°	3897.3	3970.6	4330.4	4661.3	3773.0	3746.3	3777.4	3739.7	4208.2	5836.0	5505.1
75°	2918.0	2991.3	3195.6	3579.8	2569.4	2416.1	2593.8	2769.2	3213.4	4530.3	3955.1
77.5°	2194.1	2287.3	2416.1	2678.2	1885.4	1645.5	1670.0	1836.5	2322.9	3628.6	2216.3
80°	1423.5	1412.4	1661.1	1843.2	1419.0	1463.4	1401.3	1523.4	1683.3	1940.9	1132.6
82.5°	821.7	832.8	937.1	1057.1	988.2	1130.3	815.0	1361.3	1201.4	790.6	421.9
85°	461.9	481.9	577.4	732.8	619.6	415.3	339.8	675.1	755.0	324.2	204.3
87.5°	46.6	40.0	77.7	277.6	168.8	68.8	102.2	162.1	182.1	122.1	60.0
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°	3126.8	3126.8	3126.8	3126.8	3126.8	3126.8	3126.8	3126.8	3126.8	3126.8	3126.8
2.5°	3248.9	3248.9	3193.4	3100.1	3062.4	2995.7	2904.7	2933.6	2902.5	2789.2	2760.3
5°	3115.7	3009.1	2893.6	2751.5	2669.3	2500.5	2447.2	2351.7	2367.3	2271.8	2276.2
7.5°	2838.1	2753.7	2558.3	2371.7	2209.6	2063.0	1856.5	1778.8	1703.3	1665.5	1709.9
10°	2676.0	2518.3	2251.8	2007.5	1792.1	1661.1	1523.4	1416.8	1319.1	1245.8	1230.3
12.5°	2558.3	2418.4	2096.4	1798.8	1630.0	1523.4	1396.8	1250.3	1154.8	1028.2	990.4
15°	2522.7	2351.7	2012.0	1716.6	1552.3	1376.8	1232.5	1088.1	963.8	830.5	783.9
17.5°	2644.9	2447.2	2009.7	1650.0	1419.0	1230.3	1030.4	868.3	741.7	619.6	590.7
20°	2851.4	2549.4	2074.1	1610.0	1292.5	1039.3	812.8	650.7	508.5	428.6	408.6
22.5°	3086.8	2722.6	2080.8	1503.4	1165.9	848.3	592.9	428.6	348.7	310.9	299.8
25°	3375.5	3000.2	2160.8	1416.8	1017.1	644.0	421.9	328.7	282.0	259.8	255.4
27.5°	3613.1	3193.4	2247.4	1325.8	870.5	477.5	330.9	268.7	244.3	222.1	219.9
30°	3859.6	3415.5	2271.8	1270.2	743.9	393.1	284.3	237.6	211.0	199.9	197.6
32.5°	4075.0	3657.5	2349.5	1179.2	624.0	346.4	257.6	213.2	195.4	177.7	175.4
35°	4352.6	3797.4	2387.3	1130.3	579.6	313.1	235.4	195.4	168.8	157.7	153.2
37.5°	4650.2	3932.9	2411.7	1092.6	541.9	293.1	222.1	184.3	159.9	144.3	139.9
40°	4927.8	4123.9	2376.2	1046.0	513.0	268.7	213.2	171.0	148.8	133.2	126.6
42.5°	5140.9	4310.4	2365.1	1001.5	481.9	259.8	202.1	164.3	139.9	122.1	119.9
45°	5260.9	4437.0	2287.3	966.0	457.5	264.3	197.6	155.4	133.2	117.7	108.8
47.5°	5232.0	4534.7	2307.3	954.9	424.2	246.5	195.4	148.8	122.1	108.8	102.2
50°	5391.9	4732.3	2274.0	919.4	399.7	222.1	213.2	148.8	119.9	104.4	97.7
52.5°	5418.5	4912.2	2345.1	855.0	362.0	204.3	211.0	146.6	115.5	99.9	91.0
55°	5640.6	5121.0	2482.8	819.4	330.9	177.7	193.2	142.1	104.4	91.0	86.6
57.5°	5942.6	5554.0	2571.6	786.1	288.7	155.4	162.1	139.9	95.5	84.4	77.7
60°	6233.5	5727.2	2578.2	726.2	248.7	139.9	126.6	139.9	88.8	75.5	68.8
62.5°	6451.2	5727.2	2533.8	675.1	217.6	124.4	111.0	133.2	79.9	66.6	62.2
65°	6333.5	5574.0	2418.4	632.9	197.6	108.8	95.5	102.2	71.1	57.7	53.3
67.5°	6122.5	5096.5	2163.0	581.8	195.4	95.5	82.2	75.5	62.2	51.1	46.6
70°	5785.0	4452.5	1801.0	524.1	191.0	86.6	73.3	64.4	55.5	44.4	40.0
72.5°	4661.3	3677.5	1479.0	490.8	186.5	75.5	62.2	55.5	46.6	37.8	33.3
75°	3228.9	2349.5	1139.2	419.7	182.1	68.8	57.7	48.9	40.0	31.1	28.9
77.5°	1936.5	1570.0	735.1	315.3	119.9	55.5	48.9	37.8	33.3	26.6	24.4
80°	906.1	741.7	297.6	122.1	57.7	40.0	33.3	28.9	26.6	22.2	20.0
82.5°	355.3	313.1	144.3	71.1	46.6	31.1	26.6	24.4	22.2	17.8	15.5
85°	191.0	168.8	68.8	48.9	33.3	22.2	22.2	20.0	17.8	15.5	13.3
87.5°	42.2	31.1	28.9	28.9	24.4	17.8	17.8	15.5	13.3	11.1	8.9
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3126.8	3126.8	3126.8	3126.8	3126.8	3126.8	3126.8	3126.8	3126.8	3126.8	3126.8
2.5°	2744.8	2778.1	2724.8	2758.1	2711.5	2747.0	2751.5	2718.2	2727.0	2771.4	2791.4
5°	2338.4	2316.2	2267.3	2251.8	2254.0	2225.2	2236.3	2251.8	2276.2	2289.6	2329.5
7.5°	1685.5	1736.6	1734.4	1772.1	1774.3	1769.9	1738.8	1672.2	1694.4	1676.6	1698.8
10°	1205.8	1228.1	1270.2	1294.7	1339.1	1314.7	1243.6	1217.0	1203.6	1201.4	1223.6
12.5°	963.8	910.5	906.1	914.9	937.1	908.3	872.7	841.6	857.2	888.3	912.7
15°	746.2	701.7	644.0	635.1	639.6	626.2	588.5	548.5	559.6	590.7	608.5
17.5°	572.9	521.9	481.9	455.2	446.4	399.7	344.2	310.9	302.0	299.8	315.3
20°	386.4	377.5	370.9	337.5	337.5	270.9	224.3	199.9	199.9	204.3	206.5
22.5°	288.7	277.6	279.8	273.1	255.4	202.1	177.7	171.0	171.0	175.4	175.4
25°	250.9	235.4	231.0	228.7	211.0	173.2	155.4	148.8	148.8	153.2	153.2
27.5°	213.2	208.7	202.1	193.2	177.7	148.8	137.7	131.0	133.2	135.5	133.2
30°	195.4	184.3	175.4	175.4	157.7	133.2	124.4	119.9	115.5	119.9	122.1
32.5°	173.2	166.6	162.1	155.4	135.5	117.7	108.8	104.4	102.2	102.2	104.4
35°	148.8	148.8	144.3	135.5	117.7	106.6	95.5	91.0	88.8	91.0	91.0
37.5°	133.2	126.6	128.8	119.9	104.4	93.3	82.2	77.7	77.7	75.5	77.7
40°	124.4	113.3	106.6	102.2	93.3	79.9	71.1	66.6	64.4	64.4	64.4
42.5°	111.0	102.2	88.8	86.6	84.4	68.8	57.7	55.5	53.3	51.1	51.1
45°	104.4	91.0	79.9	68.8	68.8	57.7	48.9	44.4	42.2	40.0	42.2
47.5°	95.5	82.2	68.8	57.7	55.5	46.6	37.8	33.3	31.1	31.1	31.1
50°	91.0	73.3	60.0	48.9	42.2	37.8	28.9	24.4	22.2	22.2	22.2
52.5°	84.4	68.8	53.3	42.2	33.3	28.9	22.2	17.8	15.5	15.5	15.5
55°	75.5	62.2	46.6	35.5	28.9	22.2	15.5	11.1	8.9	8.9	8.9
57.5°	71.1	55.5	40.0	31.1	22.2	15.5	8.9	6.7	6.7	4.4	6.7
60°	64.4	48.9	33.3	24.4	17.8	11.1	6.7	2.2	2.2	2.2	2.2
62.5°	55.5	42.2	28.9	20.0	13.3	6.7	2.2	0.0	0.0	0.0	0.0
65°	46.6	33.3	22.2	15.5	8.9	2.2	0.0	0.0	0.0	0.0	0.0
67.5°	40.0	28.9	17.8	11.1	6.7	0.0	0.0	0.0	0.0	0.0	0.0
70°	35.5	24.4	13.3	8.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	28.9	20.0	11.1	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	24.4	15.5	6.7	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	20.0	11.1	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	15.5	8.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	13.3	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	8.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.7	2.2	0.0	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

TEST NUMBER: P599487
 CATALOG NUMBER: IFLD-S-SA2B-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	3126.8	3126.8	3126.8	3126.8	3126.8	3126.8	3126.8	3126.8	3126.8	3126.8
2.5°	2820.3	2807.0	2873.6	2982.4	3037.9	3146.7	3173.4	3242.2	3224.5	3248.9
5°	2334.0	2360.6	2458.3	2618.2	2676.0	2833.6	2982.4	3131.2	3226.7	3273.3
7.5°	1732.2	1821.0	1940.9	2087.5	2236.3	2442.8	2695.9	2869.2	2962.4	3062.4
10°	1290.2	1385.7	1523.4	1667.8	1909.8	2140.8	2393.9	2609.3	2689.3	2782.6
12.5°	1014.9	1163.7	1323.5	1479.0	1623.3	1843.2	2156.3	2469.4	2556.0	2627.1
15°	706.2	888.3	1117.0	1319.1	1521.2	1712.2	2036.4	2416.1	2533.8	2653.8
17.5°	390.8	535.2	797.2	1081.5	1379.1	1672.2	2076.4	2513.8	2691.5	2775.9
20°	226.5	284.3	470.8	808.3	1201.4	1585.6	2096.4	2698.2	2933.6	2975.8
22.5°	186.5	206.5	266.5	506.3	983.8	1530.1	2198.5	2955.8	3195.6	3295.5
25°	159.9	175.4	206.5	304.2	743.9	1412.4	2262.9	3277.8	3499.8	3608.7
27.5°	142.1	157.7	182.1	224.3	506.3	1250.3	2369.5	3568.7	3790.8	3939.5
30°	124.4	137.7	162.1	191.0	350.9	1068.2	2460.5	3781.9	4095.0	4141.6
32.5°	111.0	122.1	139.9	164.3	259.8	810.6	2533.8	4001.7	4266.0	4368.1
35°	95.5	108.8	119.9	139.9	197.6	610.7	2489.4	4172.7	4516.9	4639.1
37.5°	84.4	93.3	104.4	117.7	166.6	477.5	2398.4	4377.0	4732.3	4845.6
40°	71.1	77.7	91.0	104.4	151.0	368.6	2294.0	4623.5	5034.4	5234.2
42.5°	60.0	66.6	75.5	97.7	124.4	273.1	2083.0	4814.5	5278.6	5447.4
45°	46.6	55.5	68.8	97.7	99.9	202.1	1865.4	4956.6	5416.3	5500.7
47.5°	35.5	44.4	66.6	84.4	79.9	139.9	1607.8	5118.7	5558.4	5636.2
50°	26.6	35.5	75.5	73.3	66.6	106.6	1445.7	5232.0	5567.3	5609.5
52.5°	17.8	26.6	62.2	55.5	55.5	93.3	1401.3	5227.6	5589.5	5498.5
55°	13.3	20.0	35.5	40.0	48.9	82.2	1361.3	5394.1	5596.2	5660.6
57.5°	8.9	15.5	24.4	31.1	42.2	71.1	1279.1	5594.0	5802.7	5836.0
60°	4.4	11.1	17.8	24.4	35.5	62.2	1163.7	5740.5	6053.7	6089.2
62.5°	2.2	6.7	13.3	20.0	28.9	48.9	1043.7	5507.4	5944.8	6007.0
65°	0.0	4.4	8.9	13.3	17.8	35.5	848.3	4972.2	5514.0	5742.8
67.5°	0.0	0.0	4.4	8.9	11.1	26.6	639.6	4523.6	5116.5	5427.4
70°	0.0	0.0	2.2	2.2	6.7	20.0	408.6	3746.3	4568.0	4739.0
72.5°	0.0	0.0	0.0	0.0	2.2	13.3	237.6	2782.6	3579.8	3897.3
75°	0.0	0.0	0.0	0.0	0.0	11.1	119.9	1789.9	2491.6	2918.0
77.5°	0.0	0.0	0.0	0.0	0.0	8.9	64.4	1154.8	1836.5	2194.1
80°	0.0	0.0	0.0	0.0	0.0	2.2	37.8	670.7	1174.8	1423.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	15.5	328.7	701.7	821.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.4	175.4	350.9	461.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	24.4	46.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)