

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: P482364

Luminaire Tested: **IFLD-S-SA2B-730-U-T3-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482364
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-730-U-T3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3
distribution lens with House Side Shield
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

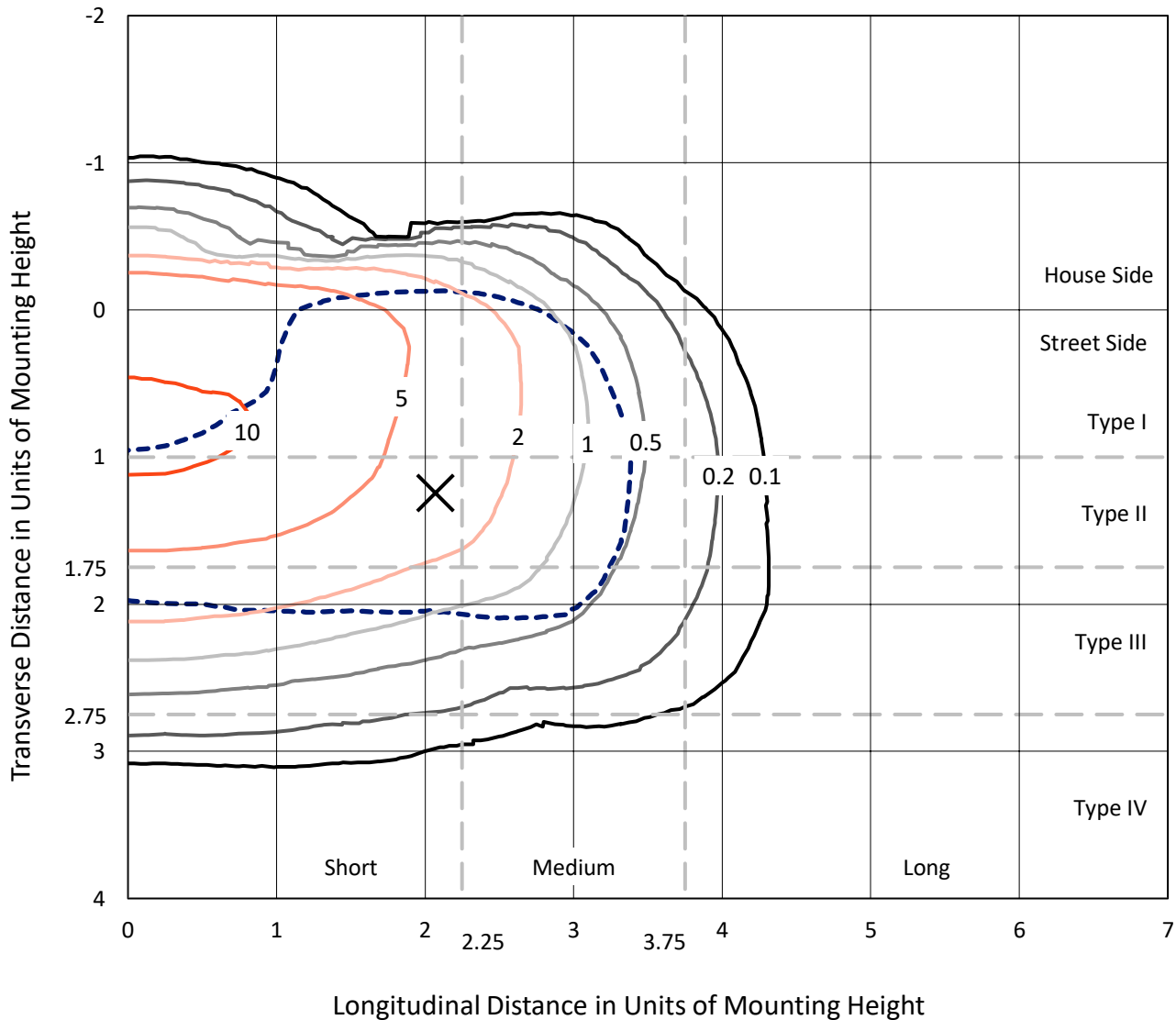
Lumens per Lamp: N/A
Luminaire Lumens: 7714.9 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 82.4
Input Voltage (V): 120
Input Current (A_{in}): 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

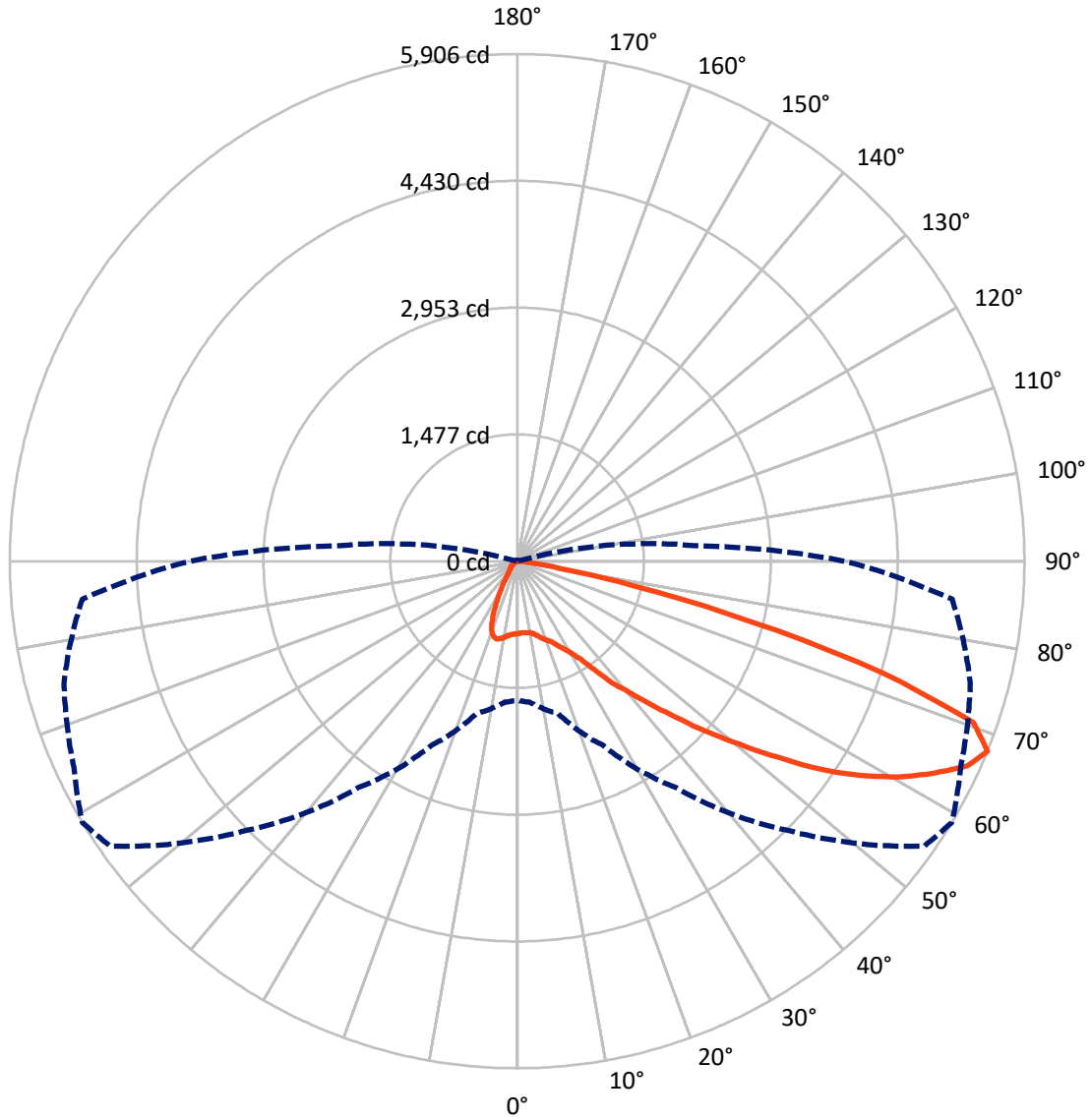
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	906.2	0.0	906.2
	% Fixture	11.7	0.0	11.7
Street Side	Lumens	6808.6	0.0	6808.6
	% Fixture	88.3	0.0	88.3
Total	Lumens	7714.9	0.0	7714.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.4	1.0
10°-20°	232.2	3.0
20°-30°	405.8	5.3
30°-40°	714.4	9.3
40°-50°	1262.9	16.4
50°-60°	1999.6	25.9
60°-70°	2218.2	28.8
70°-80°	769.7	10.0
80°-90°	31.7	0.4
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°	7714.9	100.0
0°-180°	7714.9	100.0

Coefficient of Utilization

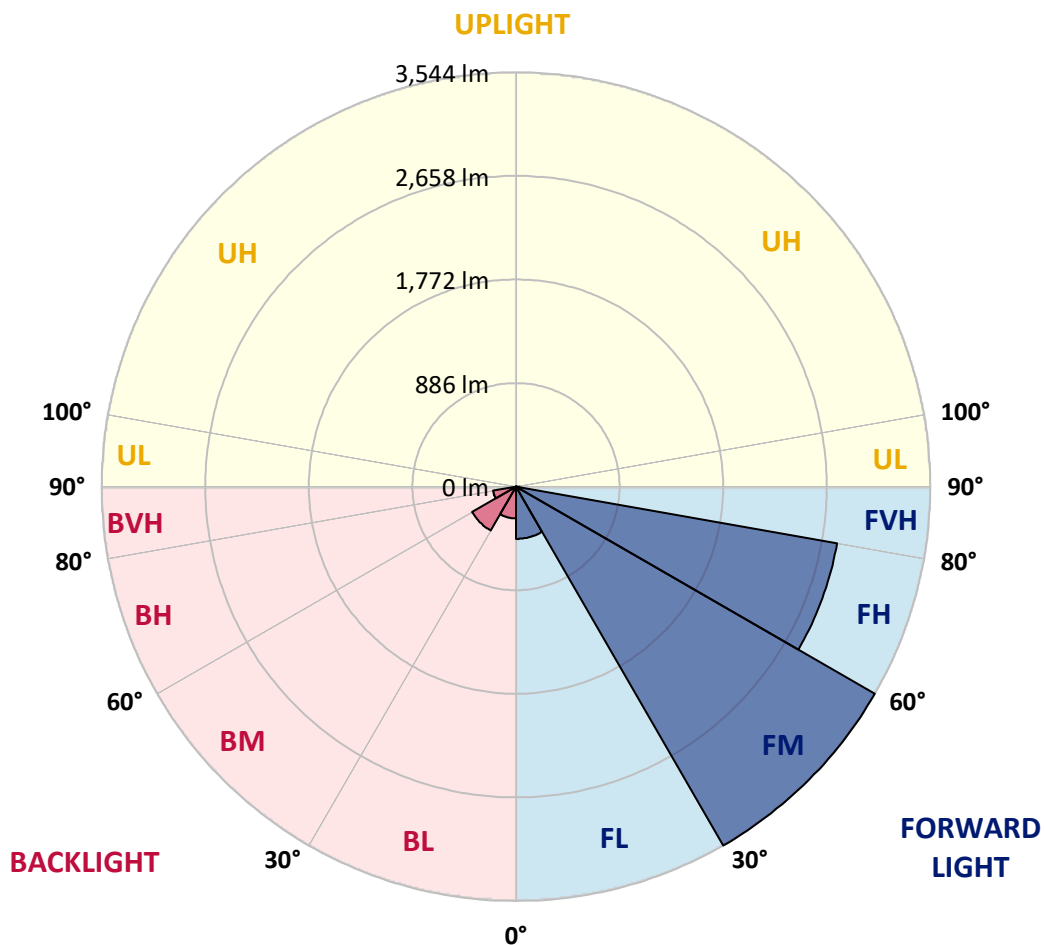


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	446.8	5.8			
FM (30°-60°)	3543.7	45.9			
FH (60°-80°)	2788.5	36.1			G2/5000
FVH (80°-90°)	29.6	0.4			G1/100
BL (0°-30°)	271.6	3.5	B1/500		
BM (30°-60°)	433.3	5.6	B1/1000		
BH (60°-80°)	199.3	2.6	B1/500		G1/500
BVH (80°-90°)	2.1	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2
2.5°	821.7	809.9	820.6	821.7	822.7	832.3	843.0	835.5	834.5	843.0	850.4
5°	788.6	783.3	796.1	802.5	813.1	821.7	838.7	839.8	840.9	850.4	863.2
7.5°	774.8	762.0	776.9	784.4	791.8	812.1	832.3	843.0	857.9	869.6	882.4
10°	747.1	756.7	760.9	773.7	795.0	818.5	843.0	848.3	881.3	890.9	921.8
12.5°	756.7	763.1	771.6	774.8	798.2	833.4	866.4	868.6	902.7	944.2	960.2
15°	781.2	776.9	780.1	784.4	812.1	840.9	894.1	903.7	935.7	982.6	1022.0
17.5°	833.4	825.9	820.6	819.5	825.9	852.6	915.5	944.2	974.1	1038.0	1058.3
20°	964.5	958.1	936.8	881.3	862.2	872.8	941.0	981.5	1023.1	1094.5	1127.5
22.5°	1163.8	1170.2	1120.1	1042.3	962.3	920.8	981.5	1016.7	1082.8	1173.4	1203.2
25°	1399.3	1386.5	1325.8	1235.2	1109.4	1011.4	1046.5	1086.0	1167.0	1241.6	1253.3
27.5°	1583.7	1568.7	1521.8	1412.1	1303.4	1144.6	1131.8	1156.3	1252.2	1319.4	1306.6
30°	1765.9	1771.2	1739.3	1609.2	1475.0	1307.6	1226.6	1237.3	1310.8	1397.2	1368.4
32.5°	1998.2	1985.4	1967.3	1853.3	1694.5	1515.5	1376.9	1359.9	1391.8	1505.9	1471.8
35°	2214.6	2207.1	2182.6	2067.5	1928.9	1733.9	1598.6	1560.2	1552.8	1679.6	1619.9
37.5°	2403.2	2390.4	2353.1	2279.6	2145.3	1981.2	1833.0	1798.9	1797.9	1885.3	1770.2
40°	2562.0	2571.6	2567.3	2486.3	2412.8	2281.7	2054.7	2000.4	1996.1	2043.0	1975.8
42.5°	2767.7	2790.0	2778.3	2762.3	2673.9	2622.7	2365.9	2282.8	2245.5	2341.4	2280.6
45°	3078.9	3087.4	3094.8	3055.4	2967.0	2977.6	2687.7	2588.6	2579.0	2721.8	2585.4
47.5°	3369.8	3347.4	3399.6	3401.8	3397.5	3348.5	3035.2	2961.6	2974.4	3083.1	2942.4
50°	3442.3	3499.8	3643.7	3670.3	3739.6	3784.4	3421.0	3347.4	3368.7	3492.4	3331.4
52.5°	3498.8	3586.1	3730.0	3925.0	4111.5	4218.1	3852.6	3792.9	3791.8	3867.5	3645.8
55°	3597.9	3651.1	3775.8	4044.4	4399.3	4574.1	4372.6	4276.7	4190.4	4243.7	3971.9
57.5°	3588.3	3608.5	3802.5	4133.9	4627.3	4944.9	4800.0	4708.3	4597.5	4566.6	4347.1
60°	3419.9	3467.8	3685.3	4073.2	4768.0	5233.7	5198.6	5104.8	4914.0	4841.6	4634.8
62.5°	3086.3	3150.3	3320.8	3860.0	4563.4	5248.7	5473.5	5438.4	5225.2	5095.2	5009.9
65°	2501.2	2531.1	2727.2	3318.6	4100.9	5019.5	5798.6	5754.9	5558.8	5364.8	5202.8
67.5°	1619.9	1648.7	1837.3	2369.1	3220.6	4428.1	5785.8	5906.2	5694.1	5460.7	5082.4
70°	765.2	757.7	933.6	1316.2	2063.2	3381.5	5394.7	5632.3	5452.2	4950.3	4221.3
72.5°	233.4	253.6	387.9	582.9	1059.3	2109.1	4228.8	4451.5	4395.0	3954.9	2817.8
75°	103.4	111.9	152.4	238.7	429.5	865.4	2612.1	2810.3	2785.8	2332.9	1286.3
77.5°	66.1	72.5	95.9	136.4	195.0	275.0	1203.2	1396.1	1353.5	819.5	336.8
80°	46.9	50.1	68.2	93.8	122.6	113.0	414.6	492.4	472.1	222.7	90.6
82.5°	25.6	27.7	50.1	69.3	82.1	57.5	116.2	144.9	151.3	99.1	43.7
85°	9.6	11.7	30.9	49.0	42.6	26.6	34.1	41.6	54.4	54.4	20.2
87.5°	0.0	1.1	12.8	21.3	10.7	7.5	9.6	11.7	14.9	25.6	7.5
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°	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2
2.5°	855.8	848.3	851.5	856.8	845.1	851.5	838.7	848.3	851.5	838.7	845.1
5°	866.4	873.9	869.6	861.1	853.6	855.8	852.6	845.1	851.5	853.6	849.4
7.5°	897.3	888.8	890.9	881.3	866.4	865.4	845.1	839.8	841.9	844.0	836.6
10°	926.1	931.4	920.8	913.3	888.8	872.8	845.1	815.3	812.1	799.3	809.9
12.5°	977.3	964.5	960.2	935.7	911.2	857.9	798.2	752.4	714.0	700.2	686.3
15°	1019.9	1017.8	1010.3	973.0	916.5	819.5	706.6	600.0	526.5	480.6	474.2
17.5°	1078.5	1068.9	1055.1	996.4	877.1	719.4	526.5	392.2	318.6	289.9	279.2
20°	1123.3	1115.8	1096.6	991.1	805.7	536.1	326.1	249.4	231.3	225.9	227.0
22.5°	1188.3	1164.8	1128.6	964.5	675.7	357.0	234.5	222.7	219.5	215.3	216.3
25°	1244.8	1223.4	1147.8	918.6	481.7	236.6	217.4	211.0	205.7	200.4	199.3
27.5°	1294.8	1268.2	1168.0	824.9	301.6	203.6	201.4	194.0	183.3	174.8	171.6
30°	1343.9	1313.0	1173.4	649.0	203.6	184.4	179.0	167.3	153.5	141.7	139.6
32.5°	1425.9	1388.6	1165.9	463.6	175.8	164.1	152.4	138.5	118.3	108.7	106.6
35°	1553.8	1497.3	1156.3	272.8	157.7	144.9	126.8	108.7	93.8	84.2	82.1
37.5°	1700.9	1602.8	1128.6	182.2	144.9	127.9	104.4	86.3	73.5	66.1	63.9
40°	1919.4	1757.4	1022.0	149.2	129.0	108.7	84.2	68.2	58.6	53.3	51.2
42.5°	2160.2	1934.3	857.9	134.3	114.0	92.7	67.1	55.4	48.0	42.6	42.6
45°	2449.0	2118.6	661.8	122.6	101.2	76.7	55.4	44.8	38.4	34.1	32.0
47.5°	2770.9	2286.0	446.5	110.8	85.3	62.9	45.8	34.1	27.7	24.5	24.5
50°	3058.6	2434.1	284.5	97.0	74.6	52.2	37.3	27.7	22.4	18.1	17.1
52.5°	3319.7	2547.1	196.1	85.3	63.9	42.6	30.9	22.4	17.1	13.9	13.9
55°	3587.2	2604.6	144.9	73.5	55.4	36.2	25.6	20.2	14.9	11.7	10.7
57.5°	3806.7	2629.1	110.8	63.9	46.9	28.8	22.4	17.1	12.8	9.6	8.5
60°	3994.3	2617.4	86.3	53.3	37.3	24.5	19.2	13.9	10.7	7.5	6.4
62.5°	4104.1	2547.1	68.2	45.8	29.8	21.3	16.0	11.7	7.5	5.3	4.3
65°	4106.2	2397.9	53.3	34.1	22.4	18.1	13.9	9.6	5.3	2.1	1.1
67.5°	3812.1	2075.0	42.6	26.6	18.1	13.9	10.7	7.5	2.1	0.0	0.0
70°	2981.9	1569.8	35.2	21.3	14.9	11.7	7.5	4.3	1.1	0.0	0.0
72.5°	1900.2	940.0	28.8	17.1	12.8	8.5	5.3	3.2	0.0	0.0	0.0
75°	795.0	289.9	22.4	14.9	9.6	6.4	4.3	1.1	0.0	0.0	0.0
77.5°	204.6	91.7	18.1	12.8	9.6	5.3	3.2	1.1	0.0	0.0	0.0
80°	60.7	34.1	14.9	10.7	7.5	4.3	2.1	1.1	0.0	0.0	0.0
82.5°	27.7	20.2	12.8	9.6	6.4	4.3	2.1	0.0	0.0	0.0	0.0
85°	10.7	6.4	6.4	5.3	5.3	3.2	1.1	0.0	0.0	0.0	0.0
87.5°	4.3	2.1	2.1	2.1	1.1	1.1	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)