

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: P416756

Luminaire Tested: **LXF.LXT-PA1-80-740-U-T2R-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416756
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-740-U-T2R-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7259 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Medium - Full Cutoff
BUG Rating: B0 - U0 - G2

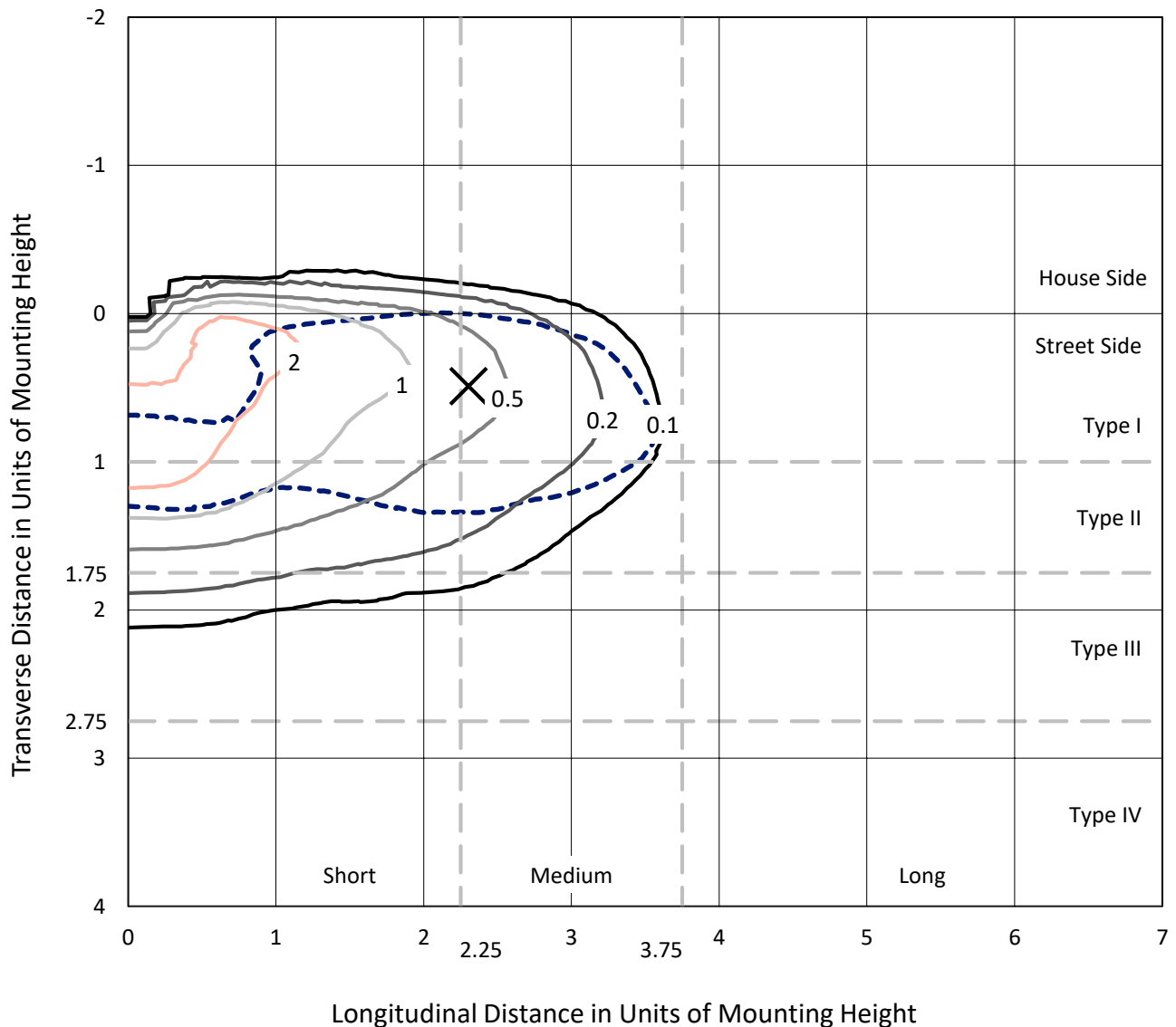
Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

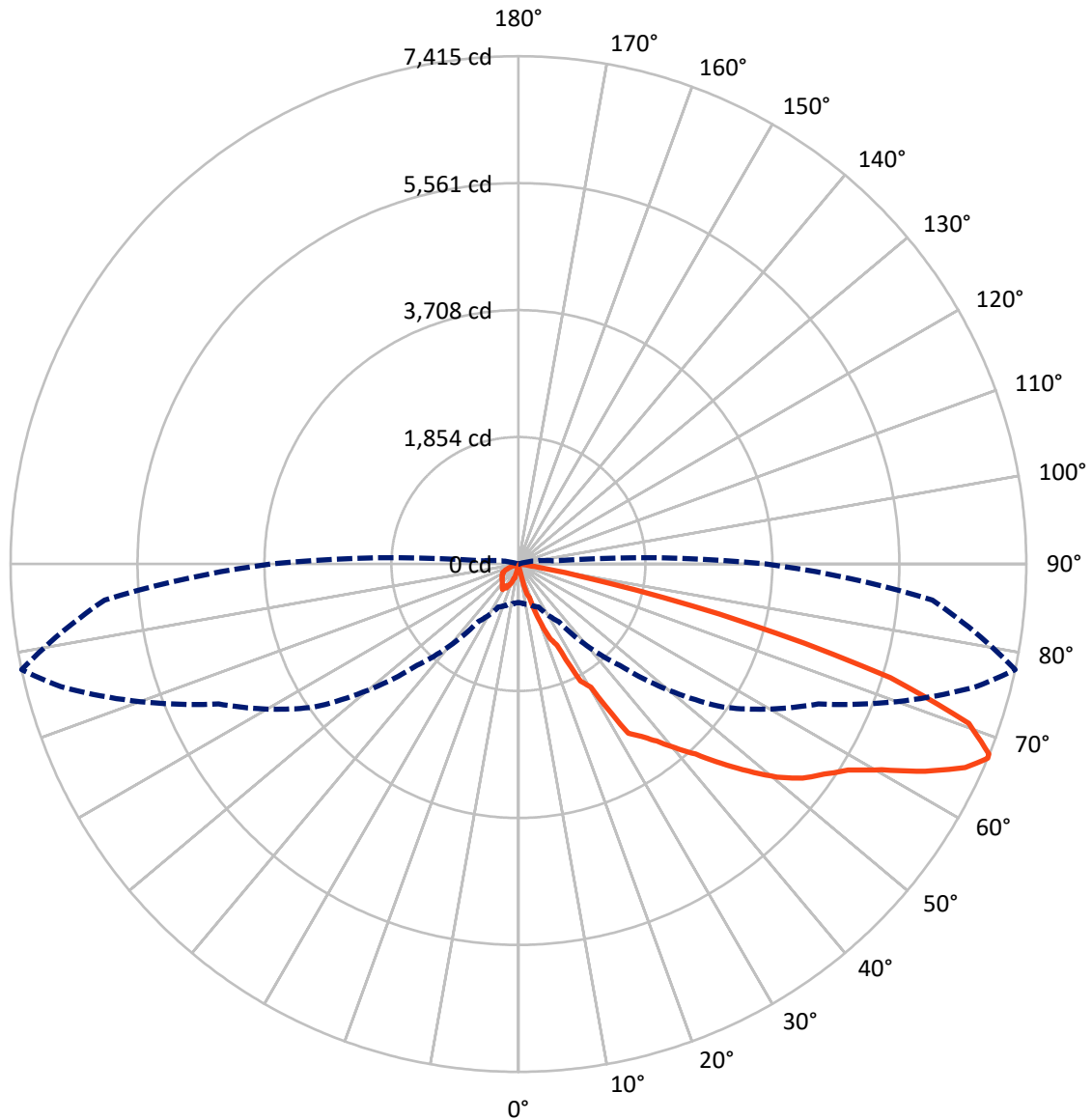
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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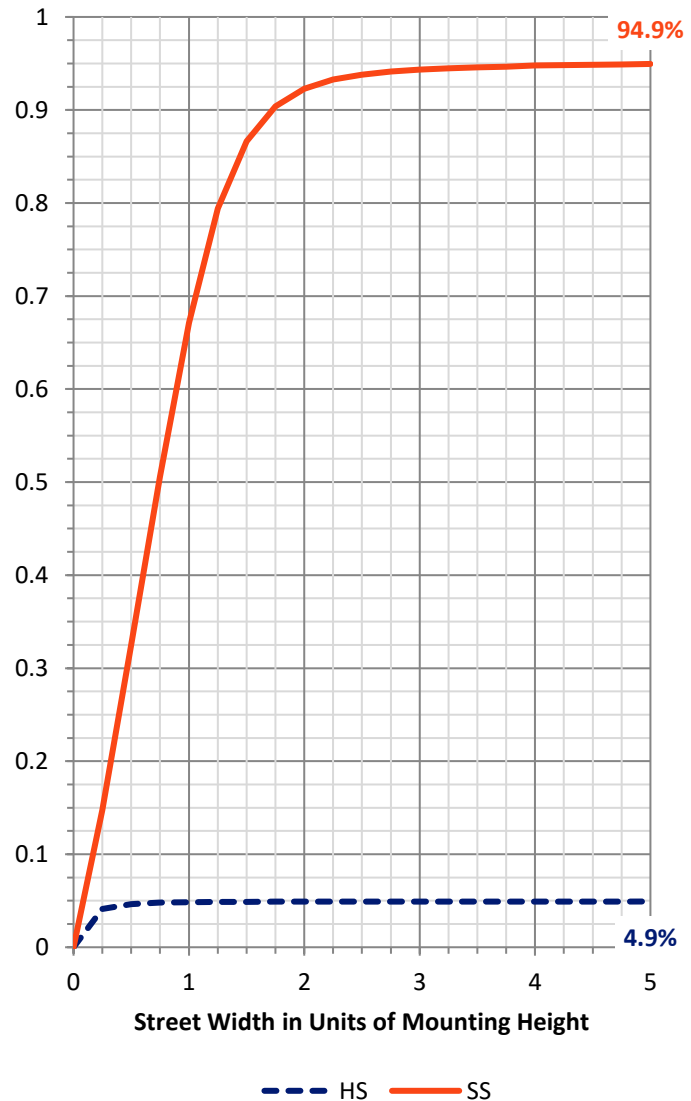
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	359.4	0.0	359.4
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	6899.6	0.0	6899.6
	% Fixture	95.0	0.0	95.0
Total	Lumens	7259.0	0.0	7259.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.9	0.1
10°-20°	98.9	1.4
20°-30°	394.1	5.4
30°-40°	1002.7	13.8
40°-50°	1641.6	22.6
50°-60°	1851.2	25.5
60°-70°	1596.3	22.0
70°-80°	642.1	8.8
80°-90°	25.2	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°	7259.0	100.0
0°-180°	7259.0	100.0

Coefficient of Utilization



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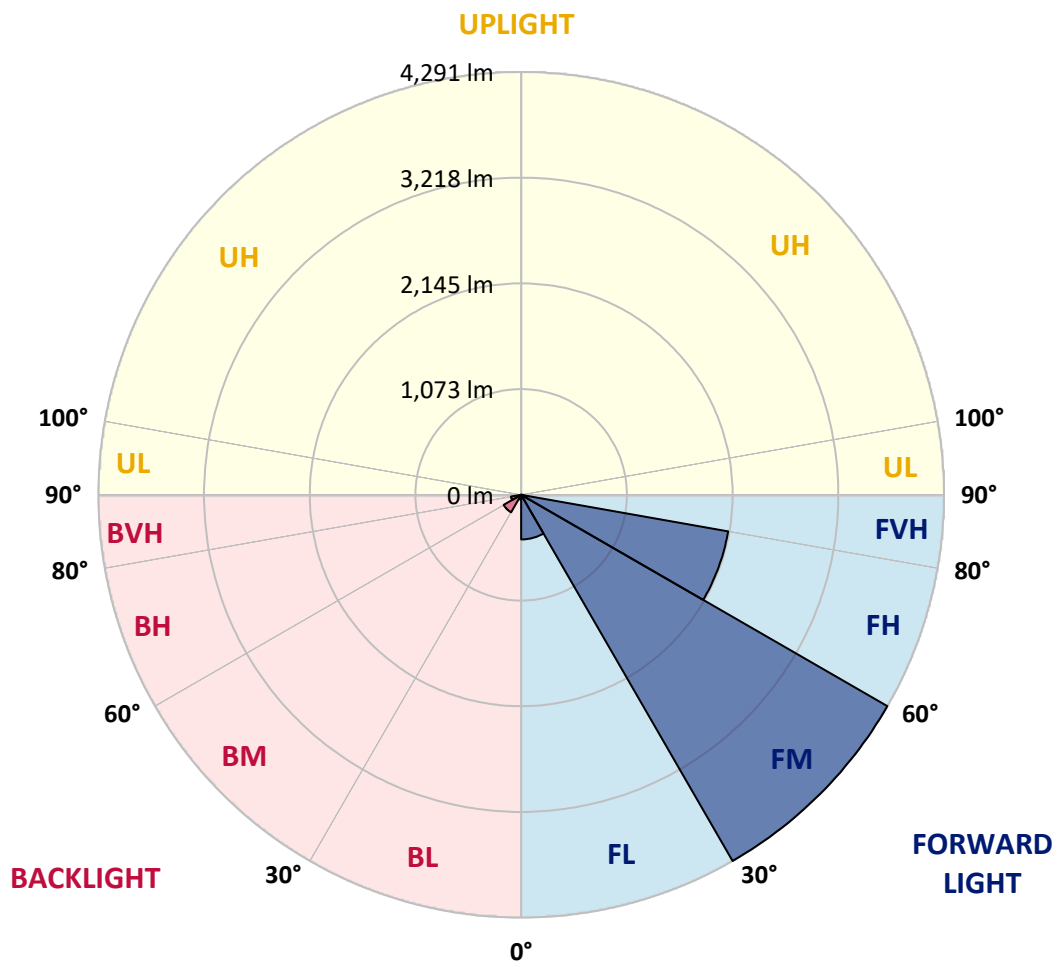
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	452.7	6.2			
FM	(30°-60°)	4290.8	59.1			
FH	(60°-80°)	2133.4	29.4			G2/5000
FVH	(80°-90°)	22.6	0.3			G1/100
BL	(0°-30°)	47.2	0.6	B0/110		
BM	(30°-60°)	204.7	2.8	B0/220		
BH	(60°-80°)	105.1	1.4	B0/110		G0/110
BVH	(80°-90°)	2.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	2	2	2	2	2	2	2	2	2	2	2
2.5°	1	1	2	2	4	4	3	3	3	3	3
5°	304	238	169	49	19	9	4	3	3	3	2
7.5°	339	336	332	330	324	314	22	4	3	3	3
10°	363	357	356	355	351	343	328	19	3	3	3
12.5°	729	726	714	418	376	368	355	255	20	168	182
15°	720	718	726	742	757	404	577	728	447	428	446
17.5°	745	744	731	744	767	895	824	794	496	518	476
20°	1116	1114	1125	1058	796	1115	1035	860	974	895	899
22.5°	1172	1176	1173	1196	1382	1152	1288	1337	1353	1185	1023
25°	1720	1695	1643	1270	1490	1429	1636	1445	1455	1311	1311
27.5°	1927	1927	1884	1835	1581	1835	1722	1898	2070	1934	1642
30°	2615	2595	2161	2099	1968	1942	2079	2228	2152	2088	1847
32.5°	3109	3111	3001	2665	2340	2166	2408	2458	2869	2944	2504
35°	3967	3917	3379	3074	2754	2638	2626	2879	3115	3089	2714
37.5°	4512	4477	4217	3532	3122	2862	3018	3030	3412	3281	2965
40°	4762	4746	4526	3944	3445	3168	3218	3257	3710	3530	3176
42.5°	4964	4949	4749	4151	3755	3461	3443	3450	3951	3793	3389
45°	5061	5052	4966	4334	3890	3651	3688	3643	4161	4151	3625
47.5°	4967	4972	4996	4496	3989	3801	3926	3854	4411	4516	3891
50°	4636	4634	4771	4520	4046	3921	4136	4053	4708	4890	4131
52.5°	3617	3750	4246	4262	4033	3981	4294	4282	4988	5194	4371
55°	2722	2776	3247	3697	3865	3974	4350	4436	5195	5416	4559
57.5°	2139	2121	2379	2980	3441	3856	4337	4496	5397	5676	4807
60°	1565	1581	1786	2161	2830	3588	4297	4593	5717	6096	5176
62.5°	1135	1135	1276	1505	2168	3158	4210	4729	6218	6666	5615
65°	764	759	864	981	1485	2613	3976	4856	6698	7167	5992
67°	562	573	616	693	1027	2093	3642	4831	6919	7415	6066
67.5°	526	531	590	658	947	1955	3547	4801	6943	7409	6028
70°	382	390	422	442	573	1290	2831	4329	6593	6975	5481
72.5°	205	222	307	305	356	787	1925	3213	5419	5678	4207
75°	160	162	183	226	230	438	926	1867	3428	3447	2336
77.5°	117	122	135	143	150	249	324	742	1518	1326	875
80°	79	82	89	106	123	141	105	198	357	277	131
82.5°	34	33	62	89	88	58	53	62	71	65	40
85°	2	3	32	43	37	25	33	26	27	26	20
87.5°	1	1	3	4	5	5	6	6	8	9	8
90°	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°	2	2	2	2	2	2	2	2	2	2	2
2.5°	3	3	3	3	3	1	1	0	0	0	0
5°	3	3	3	3	3	1	0	0	0	0	0
7.5°	3	3	3	3	3	1	0	11	30	32	31
10°	3	3	3	3	2	26	36	34	33	32	32
12.5°	182	154	28	6	26	33	29	29	28	28	28
15°	398	334	157	53	41	28	26	26	43	47	46
17.5°	417	337	154	72	59	36	36	46	45	43	43
20°	793	520	178	71	54	57	43	40	38	36	36
22.5°	848	611	191	90	58	57	44	37	47	46	46
25°	1095	738	173	84	75	52	47	41	40	38	38
27.5°	1357	873	191	87	68	51	44	36	38	42	42
30°	1488	874	151	89	65	52	39	40	38	37	36
32.5°	1997	1122	145	85	61	45	40	35	32	35	35
35°	2087	1083	126	86	55	41	34	32	32	31	31
37.5°	2186	1041	111	76	53	37	29	29	28	30	30
40°	2295	997	99	66	45	31	26	25	26	26	25
42.5°	2422	954	89	58	38	26	21	21	21	20	20
45°	2558	920	82	50	32	22	17	16	15	15	15
47.5°	2719	906	76	42	27	17	13	12	11	10	10
50°	2854	900	67	35	23	14	9	8	7	6	6
52.5°	2973	874	58	28	18	10	6	4	3	3	3
55°	3091	850	50	24	13	6	3	1	1	2	2
57.5°	3237	823	43	20	10	4	2	0	1	1	2
60°	3466	795	38	17	7	3	1	0	0	1	1
62.5°	3671	746	33	15	6	3	1	0	0	0	1
65°	3760	645	29	13	6	3	1	0	0	0	0
67°	3611	522	26	12	5	2	1	0	0	0	0
67.5°	3541	487	26	11	5	2	1	1	0	0	0
70°	3006	323	23	10	5	2	2	1	0	0	0
72.5°	2307	188	20	9	5	2	2	1	1	0	0
75°	1290	95	16	9	5	3	3	2	2	2	0
77.5°	413	52	12	8	5	3	3	2	3	3	1
80°	65	27	9	6	5	2	3	3	4	4	1
82.5°	24	15	7	6	5	2	3	3	4	5	0
85°	11	9	7	6	5	2	3	3	4	5	0
87.5°	5	7	6	6	5	2	3	3	4	4	0
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)