

Scaled data based on original data using
LM-46-04 Photometric Testing of Indoor Luminaires Using High Intensity Discharge
or Incandescent Filament Lamps (Reaffirmed 2012)

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: STREETWORKS

Report Number: H39513

Luminaire Tested: **ACN15SXX5C1XXC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: H39513
Test Lab: PEACHTREE CITY
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ACN15SXX5C1XXC
Description: STREETWORKS CLASSIC ACN TYPE 5 CUT OFF POST TOP
WITH CAGE, COPPER FINISH DECORATIVE CHIMNEY, AND ACRYLIC GLOBE
Light Source: MOGUL BASE E23.5 CLEAR HIGH PRESSURE SODIUM LAMP
LU150/U 150 WATTS
Ballast/Driver: -

Summary

Lumens per Lamp: 16000 (1 lamp)
Luminaire Lumens: 9684 lumens
Efficiency: 60.5%
Efficacy: 64.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
IES Classification: Type V - Short - Cutoff
BUG Rating: B3 - U2 - G1

Input Watts (W): 150
Input Voltage (V): NR
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: 28.75 FT

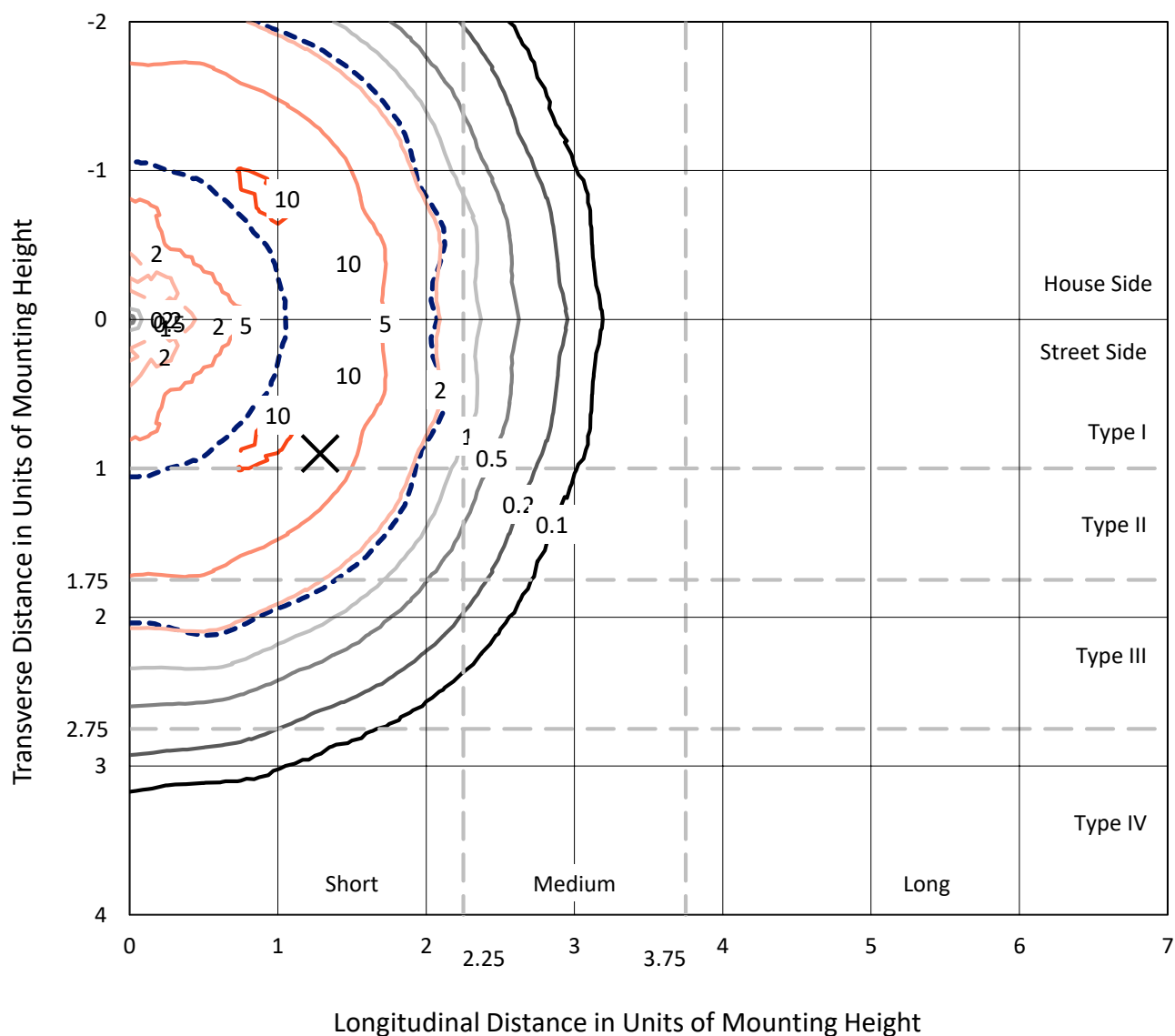


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

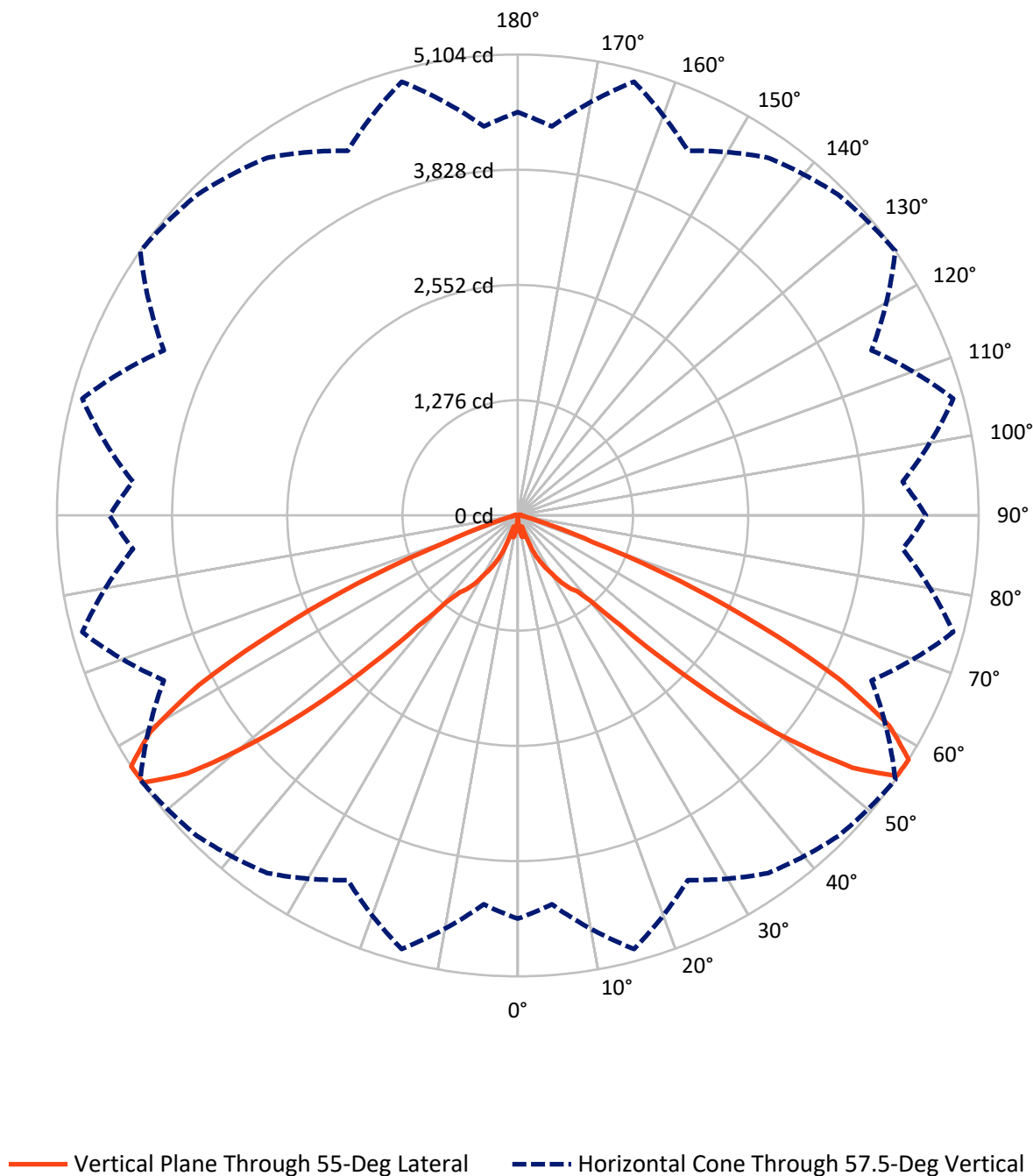


Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
Type V - Short - Cutoff

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Luminous Intensity Polar Plot



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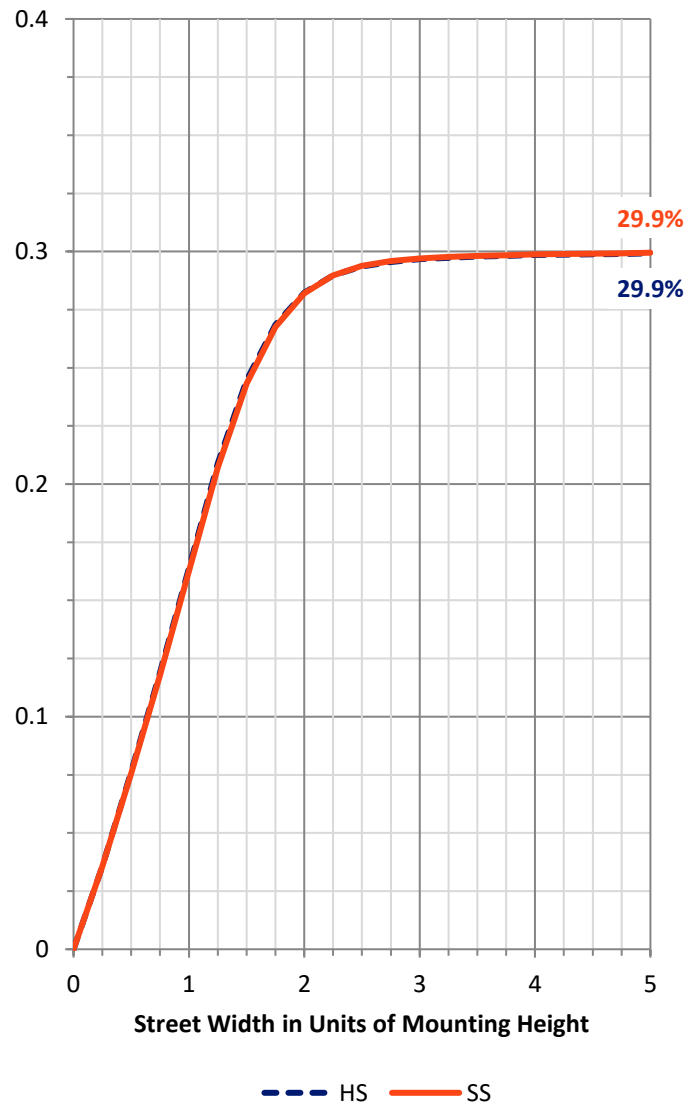
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4807.7	34.3	4842.0
	% Lamp	30.0	0.2	30.3
Street Side	Lumens	4807.7	34.3	4842.0
	% Lamp	30.0	0.2	30.3
Total	Lumens	9615.4	68.6	9684.0
	% Lamp	60.1	0.4	60.5

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	13.8	0.1	0.1
10°-20°	55.2	0.6	0.3
20°-30°	221.0	2.3	1.4
30°-40°	598.5	6.2	3.7
40°-50°	1806.7	18.7	11.3
50°-60°	3971.3	41.0	24.8
60°-70°	2600.2	26.9	16.3
70°-80°	295.6	3.1	1.8
80°-90°	53.1	0.5	0.3
90°-100°	33.6	0.3	0.2
100°-110°	20.8	0.2	0.1
110°-120°	8.0	0.1	0.1
120°-130°	3.3	0.0	0.0
130°-140°	1.7	0.0	0.0
140°-150°	0.9	0.0	0.0
150°-160°	0.3	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	9615.4	99.3	60.1
0°-180°	9684.0	100.0	60.5

Coefficient of Utilization



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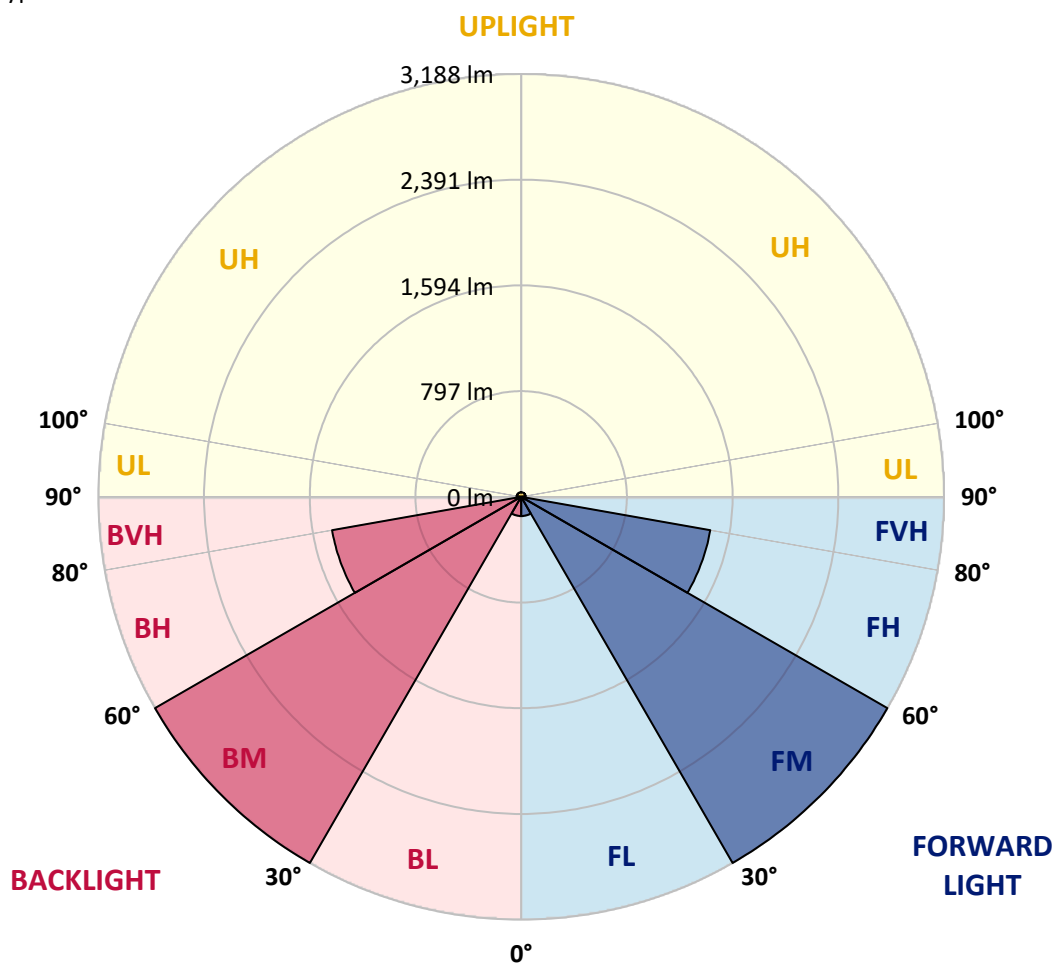
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	145.0	0.9			
FM	(30°-60°)	3188.2	19.9			
FH	(60°-80°)	1447.9	9.0			G1/1800
FVH	(80°-90°)	26.6	0.2			G1/100
BL	(0°-30°)	145.0	0.9	B1/500		
BM	(30°-60°)	3188.2	19.9	B3/5000		
BH	(60°-80°)	1447.9	9.0	B3/2500		G1/1800
BVH	(80°-90°)	26.6	0.2			G1/100
UL	(90°-100°)	33.6	0.2		U2/50	
UH	(100°-180°)	34.3	0.2		U2/50	
Trapped Light		6316.0	39.5			

BUG Rating: B3-U2-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	18	18	18	18	18	18	18	18	18	18	18
2.5°	14	14	14	14	14	14	14	14	13	13	13
5°	72	69	78	89	97	100	95	87	71	62	58
7.5°	178	180	178	177	169	169	176	176	171	163	161
10°	311	305	299	255	207	201	232	270	283	293	300
12.5°	299	298	268	269	248	236	246	274	281	275	277
15°	224	215	209	190	207	206	198	199	206	207	196
17.5°	162	157	158	136	145	151	141	140	145	146	136
20°	120	127	147	134	130	143	131	132	138	118	119
22.5°	129	130	442	454	448	437	422	434	414	139	140
25°	133	130	549	575	594	565	546	531	491	132	127
27.5°	531	273	649	712	729	680	656	628	602	293	550
30°	688	555	728	778	801	769	751	737	715	600	681
32.5°	776	689	816	891	890	885	884	849	821	785	745
35°	857	797	914	1001	980	978	988	962	932	915	826
37.5°	948	924	1000	1085	1066	1069	1064	1068	1042	1041	921
40°	1068	1068	1180	1241	1284	1238	1243	1228	1191	1194	1098
42.5°	1423	1421	1596	1563	1708	1651	1651	1585	1562	1586	1547
45°	2077	2042	2260	2112	2303	2297	2315	2121	2228	2134	2163
47.5°	2850	2780	3117	2843	3053	3141	3137	2756	3034	2757	2872
50°	3599	3411	3824	3468	3775	3864	3911	3395	3861	3400	3534
52.5°	4225	3933	4441	4011	4404	4497	4641	3918	4544	3918	4143
55°	4567	4356	4928	4416	4820	4971	5093	4299	5002	4283	4556
57.5°	4465	4323	4971	4455	4835	5021	5104	4323	4993	4278	4521
60°	3911	3826	4569	4187	4493	4687	4726	4033	4601	3727	4009
62.5°	3014	3036	3796	3582	3817	3986	4001	3443	3806	2951	3190
65°	2160	2173	2810	2660	2861	2992	2960	2560	2835	2080	2271
67.5°	1478	1459	1783	1677	1866	1956	1924	1638	1802	1415	1600
70°	781	754	791	753	887	941	877	726	772	747	853
72.5°	350	325	375	364	420	442	414	346	379	335	363
75°	182	161	187	186	222	231	217	182	195	173	180
77.5°	99	94	108	111	126	129	125	106	111	99	100
80°	58	61	71	74	78	78	77	70	73	61	61
82.5°	43	45	54	57	60	60	60	55	55	44	44
85°	39	40	46	49	51	53	54	49	49	39	38
87.5°	32	34	39	40	42	43	45	42	42	33	32
90°	28	30	34	34	37	37	39	36	36	29	28
92.5°	27	28	33	33	35	36	37	34	34	28	25
95°	24	27	31	32	34	34	36	34	33	26	23
97.5°	22	25	27	29	30	31	32	31	30	24	21
100°	19	22	24	25	26	26	28	27	26	21	18
102.5°	18	20	21	22	22	23	25	24	22	19	17
105°	17	18	18	20	20	21	22	22	20	17	16
107.5°	16	16	16	18	18	19	20	21	18	15	14
110°	12	12	12	14	13	14	15	16	14	12	11



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	9	9	9	9	10	9	10	10	9	9	8
115°	7	7	7	8	8	8	8	8	7	7	7
117.5°	6	6	6	6	6	6	6	6	6	6	6
120°	5	4	5	5	5	5	5	5	5	5	5
122.5°	4	4	4	4	4	4	4	4	4	4	4
125°	3	3	4	4	4	4	4	4	4	4	3
127.5°	3	3	3	3	3	3	3	3	3	3	3
130°	3	3	3	3	3	3	3	3	3	3	3
132.5°	3	3	3	2	2	2	2	3	3	3	3
135°	2	2	2	2	2	2	2	2	2	3	2
137.5°	2	2	2	2	2	1	2	2	2	2	2
140°	2	2	2	1	1	1	1	1	2	2	2
142.5°	2	2	2	1	1	1	1	1	2	2	2
145°	2	2	2	1	1	1	1	1	2	2	2
147.5°	2	2	2	1	1	1	1	1	2	2	2
150°	2	2	1	1	1	1	1	1	2	2	2
152.5°	2	2	1	1	1	1	1	1	2	2	2
155°	0	0	0	0	0	0	0	0	0	0	0
157.5°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0	0
162.5°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)