

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: P694634

Luminaire Tested: **LXF.LXT-PA16-20-750-U-T3-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694634  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-20-750-U-T3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND  
TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2746 lumens  
Efficiency: N/A  
Efficacy: 126.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U2 - G2

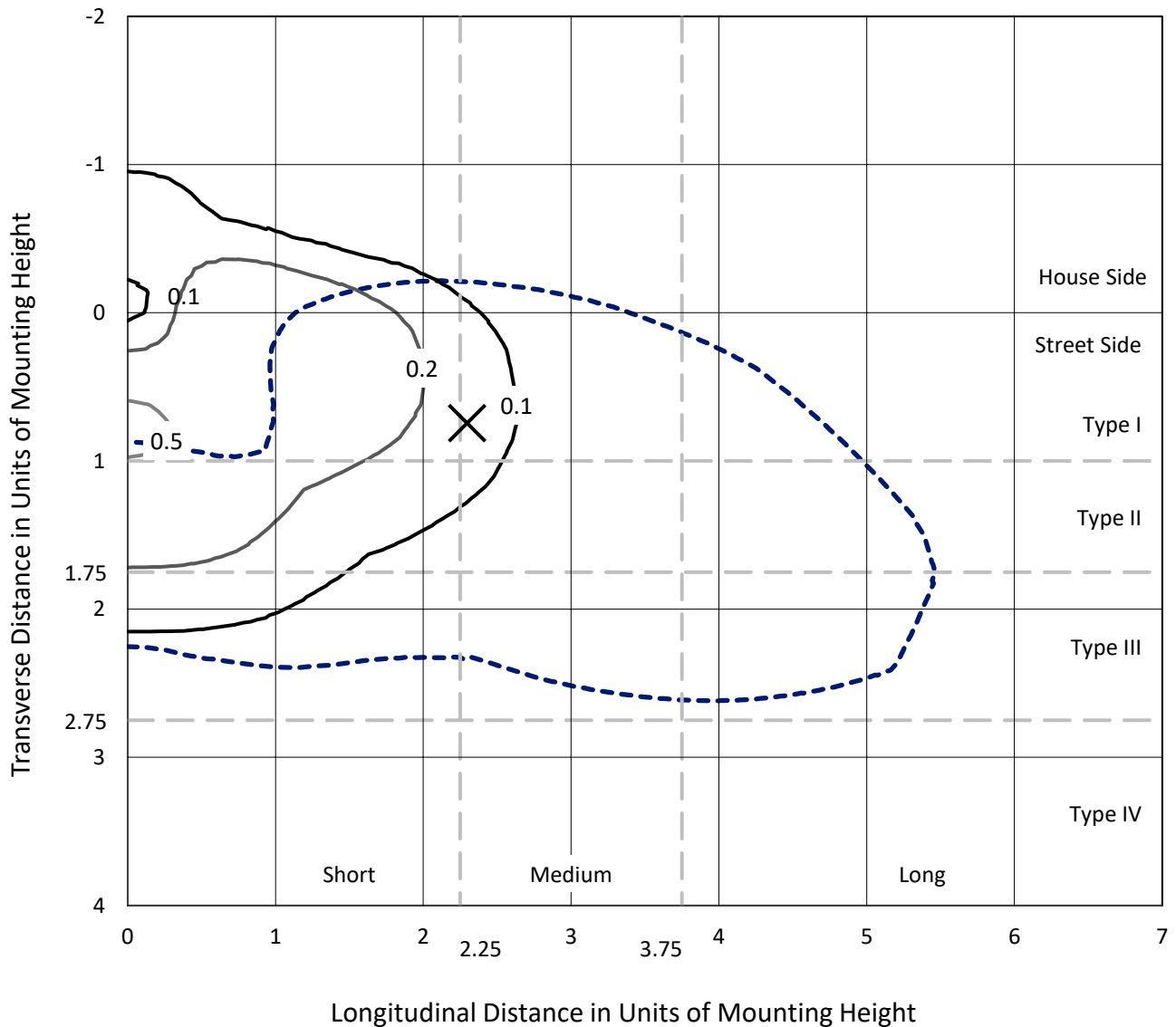
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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 CATALOG NUMBER: LXF.LXT-PA16-20-750-U-T3-TL

### Iso-Footcandle Lines of Horizontal Illumination

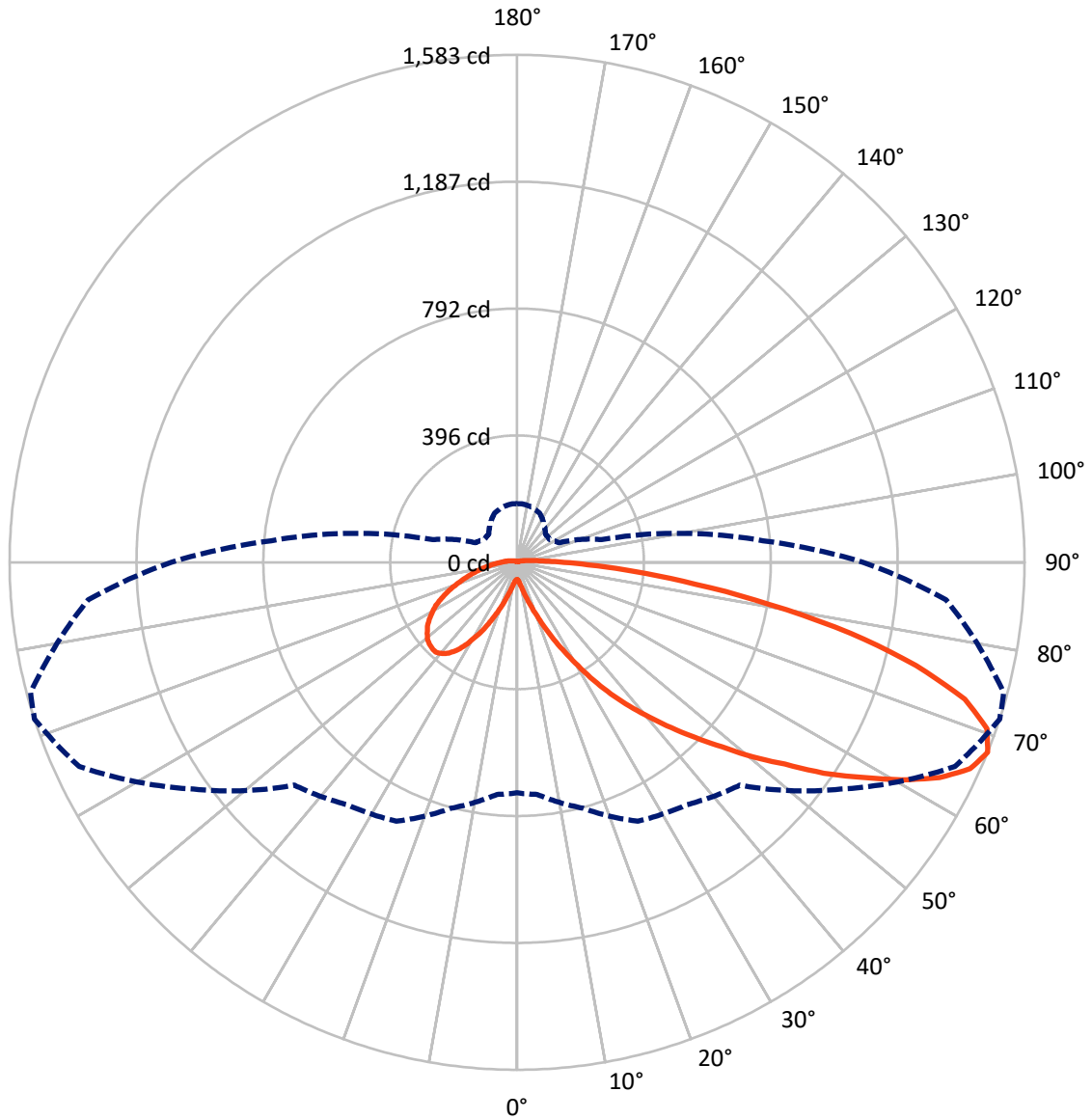
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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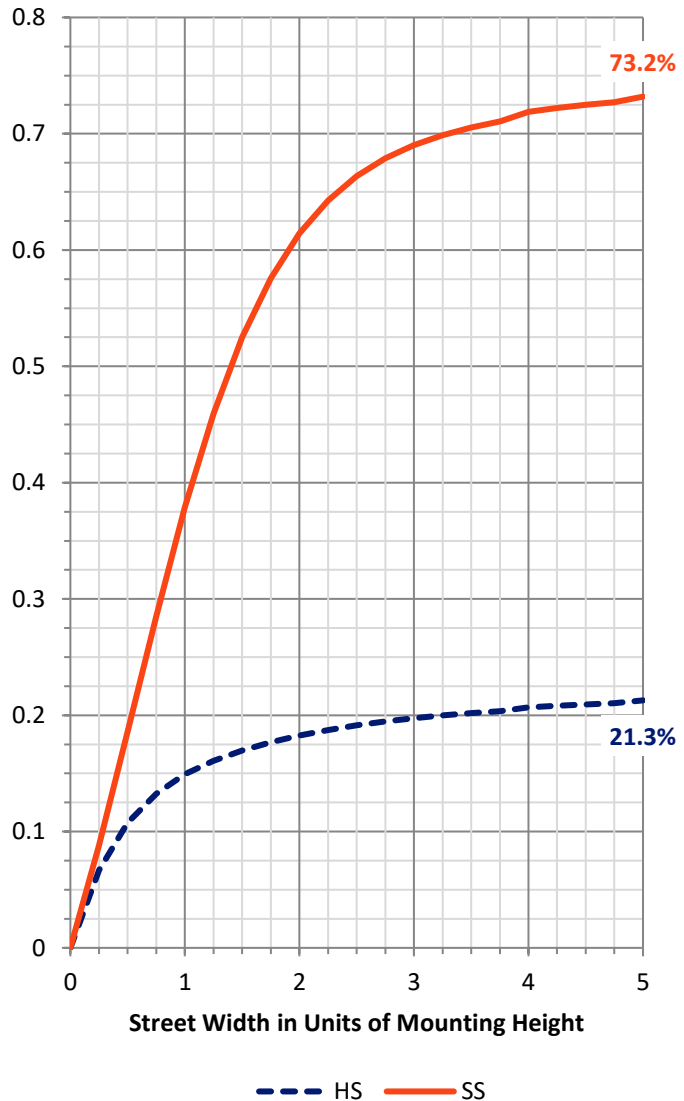
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	613.4	46.1	659.4
	% Fixture	22.3	1.7	24.0
<b>Street Side</b>	Lumens	2044.1	42.4	2086.5
	% Fixture	74.4	1.5	76.0
<b>Total</b>	Lumens	2657.5	88.5	2746.0
	% Fixture	96.8	3.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.1	0.2
10°-20°	32.4	1.2
20°-30°	104.0	3.8
30°-40°	232.5	8.5
40°-50°	387.5	14.1
50°-60°	564.1	20.5
60°-70°	676.0	24.6
70°-80°	485.3	17.7
80°-90°	169.6	6.2
90°-100°	46.4	1.7
100°-110°	19.9	0.7
110°-120°	10.3	0.4
120°-130°	6.1	0.2
130°-140°	3.8	0.1
140°-150°	1.9	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2657.5	96.8
0°-180°	2746.0	100.0

**Coefficient of Utilization**

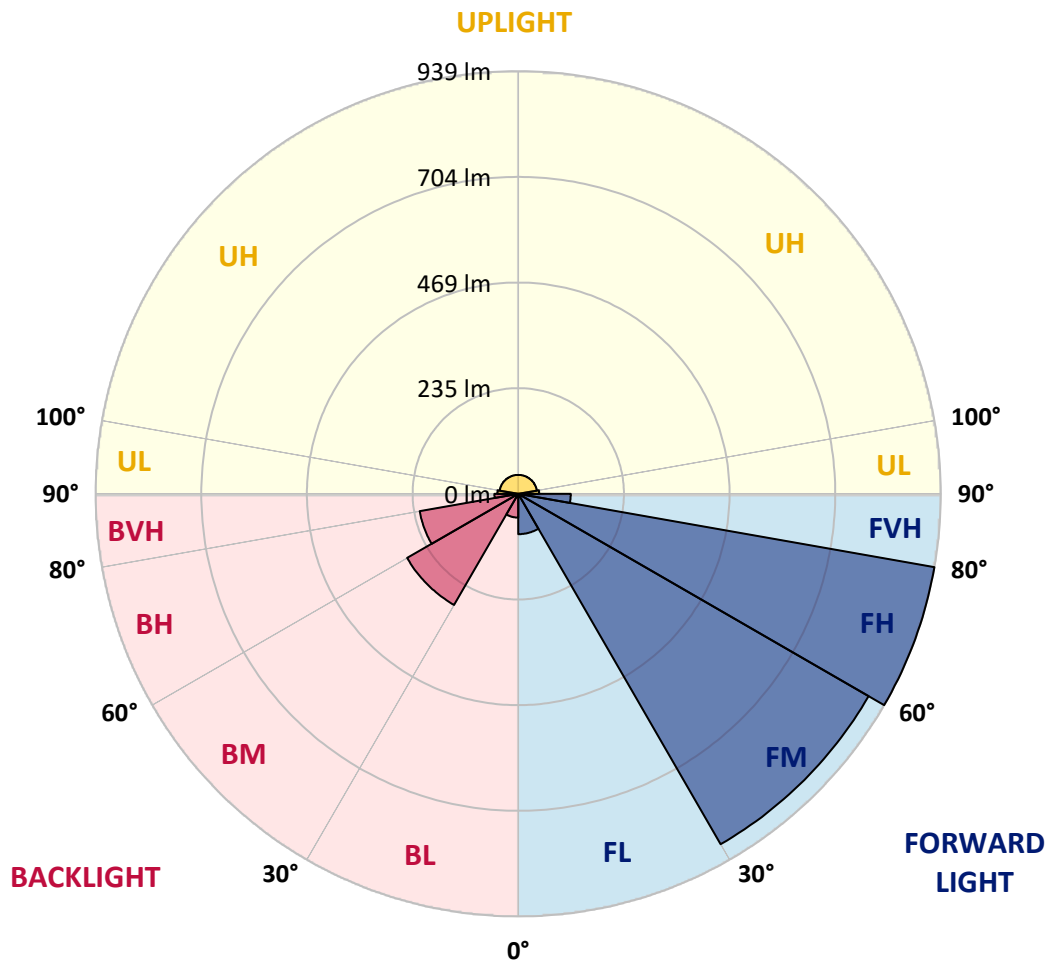


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 CATALOG NUMBER: LXF.LXT-PA16-20-750-U-T3-TL

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	89.6	3.3			
FM (30°-60°)	898.9	32.7			
FH (60°-80°)	939.0	34.2			G1/1800
FVH (80°-90°)	116.6	4.2			G2/225
BL (0°-30°)	52.9	1.9	B0/110		
BM (30°-60°)	285.1	10.4	B1/1000		
BH (60°-80°)	222.4	8.1	B1/500		G1/500
BVH (80°-90°)	53.0	1.9			G1/100
UL (90°-100°)	46.4	1.7		U2/50	
UH (100°-180°)	42.1	1.5		U2/50	

**BUG Rating: B1-U2-G2**  
 Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	54	54	54	54	54	54	54	54	54	54	54
2.5°	57	57	57	58	57	57	57	56	56	56	55
5°	66	66	65	65	64	64	63	62	61	60	59
7.5°	77	77	76	76	75	73	72	70	69	68	67
10°	94	93	93	92	90	88	86	83	81	80	78
12.5°	116	115	114	110	108	105	102	100	98	96	93
15°	144	143	140	137	130	127	123	122	120	119	114
17.5°	178	175	173	166	159	152	150	148	147	146	143
20°	220	217	213	200	192	184	179	180	179	179	176
22.5°	271	272	261	244	226	216	214	217	219	221	215
25°	333	332	315	292	269	255	253	259	266	270	265
27.5°	402	397	380	346	317	296	297	310	317	320	316
30°	474	472	447	406	364	338	342	361	374	381	371
32.5°	552	546	517	469	414	382	391	418	439	440	435
35°	626	626	592	534	466	428	439	483	504	510	499
37.5°	699	694	665	593	518	473	488	540	569	575	561
40°	760	759	726	658	565	517	537	601	635	645	622
42.5°	822	818	792	715	621	562	589	667	705	711	687
45°	868	865	846	775	674	610	644	733	780	786	749
47.5°	912	912	896	837	729	664	707	811	860	870	828
50°	955	951	947	896	785	724	769	893	954	964	906
52.5°	980	986	991	956	848	781	844	982	1046	1060	997
55°	1003	1000	1023	1000	902	844	928	1084	1161	1166	1095
57.5°	1002	1005	1039	1041	955	902	1007	1185	1265	1282	1185
60°	978	986	1030	1051	997	954	1089	1291	1378	1395	1274
62.5°	929	932	995	1041	1009	994	1162	1389	1479	1478	1342
65°	837	842	909	984	987	1004	1212	1469	1553	1547	1364
67.5°	719	727	794	891	923	983	1233	1507	1583	1571	1343
70°	571	591	644	746	828	916	1205	1497	1555	1539	1257
72.5°	420	429	485	585	686	817	1114	1414	1461	1423	1122
75°	295	298	345	431	540	682	977	1253	1286	1249	936
77.5°	182	188	225	296	397	544	795	1044	1065	1017	730
80°	112	116	142	196	276	397	615	793	800	767	522
82.5°	72	76	93	126	184	277	433	565	561	526	352
85°	47	50	61	84	122	191	289	375	366	340	229
87.5°	31	33	43	59	84	127	186	227	222	205	143
90°	21	22	30	41	59	87	120	137	128	121	93
92.5°	15	17	22	31	45	62	78	85	80	77	63
95°	12	12	18	25	35	47	55	55	52	51	46
97.5°	10	10	15	21	29	37	40	39	37	38	35
100°	8	9	13	18	24	30	31	29	28	28	27
102.5°	7	8	12	16	21	25	26	24	22	22	21
105°	7	7	10	14	18	21	21	19	18	17	16
107.5°	6	6	9	13	16	18	18	16	14	14	13
110°	5	6	8	11	14	16	16	14	12	11	11

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	5	5	7	10	12	14	13	11	10	9	9
115°	5	5	6	9	11	12	12	10	8	8	8
117.5°	5	5	6	8	10	11	10	9	7	7	7
120°	5	5	6	7	9	10	9	8	6	6	7
122.5°	4	5	5	7	8	9	8	7	6	6	6
125°	4	5	5	6	7	8	7	6	5	5	6
127.5°	4	4	5	6	7	7	7	6	5	5	6
130°	4	5	5	5	6	7	6	5	5	5	5
132.5°	4	4	5	5	6	6	5	5	4	4	5
135°	4	4	4	5	5	5	5	4	4	4	5
137.5°	4	4	4	4	5	5	4	4	4	4	4
140°	4	4	4	4	4	4	4	3	4	4	4
142.5°	4	4	4	3	4	3	3	3	3	3	4
145°	3	3	3	3	3	3	3	3	3	3	3
147.5°	3	3	3	3	3	3	2	2	3	3	3
150°	2	2	2	2	2	2	2	2	2	2	2
152.5°	0	0	0	0	0	0	0	0	0	0	0
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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	54	54	54	54	54	54	54	54	54	54	54
2.5°	54	54	54	53	53	53	52	52	52	52	52
5°	59	58	57	56	54	54	53	53	52	52	52
7.5°	66	65	63	61	59	57	56	55	54	54	54
10°	76	75	71	68	65	63	61	60	59	58	58
12.5°	91	90	85	79	74	70	67	66	65	64	65
15°	112	110	103	93	86	79	76	75	76	76	75
17.5°	140	135	124	111	100	91	87	87	87	88	88
20°	172	167	151	133	115	104	99	99	100	101	103
22.5°	210	202	181	155	132	117	111	111	114	117	117
25°	257	247	216	178	149	130	122	123	128	131	132
27.5°	308	295	254	205	164	140	132	134	140	145	145
30°	366	344	289	228	177	148	140	144	151	157	158
32.5°	419	397	329	250	188	153	145	151	159	166	166
35°	478	450	362	267	194	156	148	156	165	171	171
37.5°	535	496	388	277	196	156	149	159	167	172	173
40°	587	541	407	280	194	154	149	159	167	170	171
42.5°	643	579	421	277	189	151	148	158	165	166	167
45°	699	621	425	267	182	147	145	155	161	161	161
47.5°	760	662	425	255	173	143	143	153	157	156	156
50°	824	701	422	241	165	139	140	151	155	152	152
52.5°	891	743	412	224	156	135	139	150	154	151	151
55°	972	784	401	208	148	132	138	150	154	151	151
57.5°	1029	820	384	193	142	130	138	152	156	154	154
60°	1095	844	362	178	136	128	140	154	160	160	160
62.5°	1131	850	339	165	132	127	142	158	166	167	168
65°	1131	824	307	154	128	126	144	163	173	176	177
67.5°	1080	770	273	144	124	125	146	168	178	183	183
70°	996	685	237	134	120	124	147	170	181	186	186
72.5°	858	586	203	126	116	122	146	170	180	184	183
75°	695	468	170	117	111	117	141	165	173	175	175
77.5°	541	357	143	107	104	111	134	155	162	163	162
80°	385	258	120	98	96	102	122	140	146	147	145
82.5°	259	185	98	86	86	92	109	123	128	127	126
85°	168	125	80	74	75	81	93	104	107	106	103
87.5°	110	88	64	63	64	69	78	84	88	86	85
90°	75	63	52	52	54	58	64	67	68	68	67
92.5°	55	49	43	43	46	49	52	53	55	54	53
95°	42	40	36	36	39	42	43	42	44	44	43
97.5°	33	33	31	31	33	35	36	35	36	35	35
100°	26	26	27	27	28	30	30	30	30	29	28
102.5°	21	22	23	24	25	25	26	25	25	23	23
105°	17	17	19	20	21	22	22	22	21	19	19
107.5°	14	15	16	18	18	19	20	19	17	15	16
110°	11	12	14	15	16	17	17	16	14	13	13

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112.5°	10	10	12	13	14	15	15	14	12	11	11
115°	9	9	10	11	12	13	13	12	10	9	9
117.5°	8	8	9	10	11	12	11	11	9	8	8
120°	7	8	8	9	10	10	10	9	8	8	8
122.5°	7	7	8	8	9	9	9	8	7	7	7
125°	6	7	7	7	8	8	8	7	6	6	6
127.5°	6	6	6	7	7	7	7	6	6	6	6
130°	6	6	6	6	6	7	6	6	5	6	6
132.5°	5	5	5	6	6	6	6	5	5	5	5
135°	5	5	5	5	5	5	5	5	5	5	5
137.5°	5	5	5	5	5	5	4	4	4	5	5
140°	4	4	4	4	4	4	4	4	4	4	4
142.5°	4	4	4	3	3	3	3	3	3	4	4
145°	3	3	3	3	3	3	3	3	3	3	3
147.5°	3	3	3	2	2	2	2	3	3	3	3
150°	2	2	2	2	2	2	2	2	3	3	3
152.5°	0	0	0	0	0	0	0	0	0	0	0
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)