

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: McGRAW-EDISON

Report Number: P198214

Luminaire Tested: **TT-C3-LED-E1-DL-CG-MS/DIM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198214
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34708)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C3-LED-E1-DL-CG-MS/DIM
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
DRIVE LANE DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (160) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4973.7 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 66.5
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: 25 FT

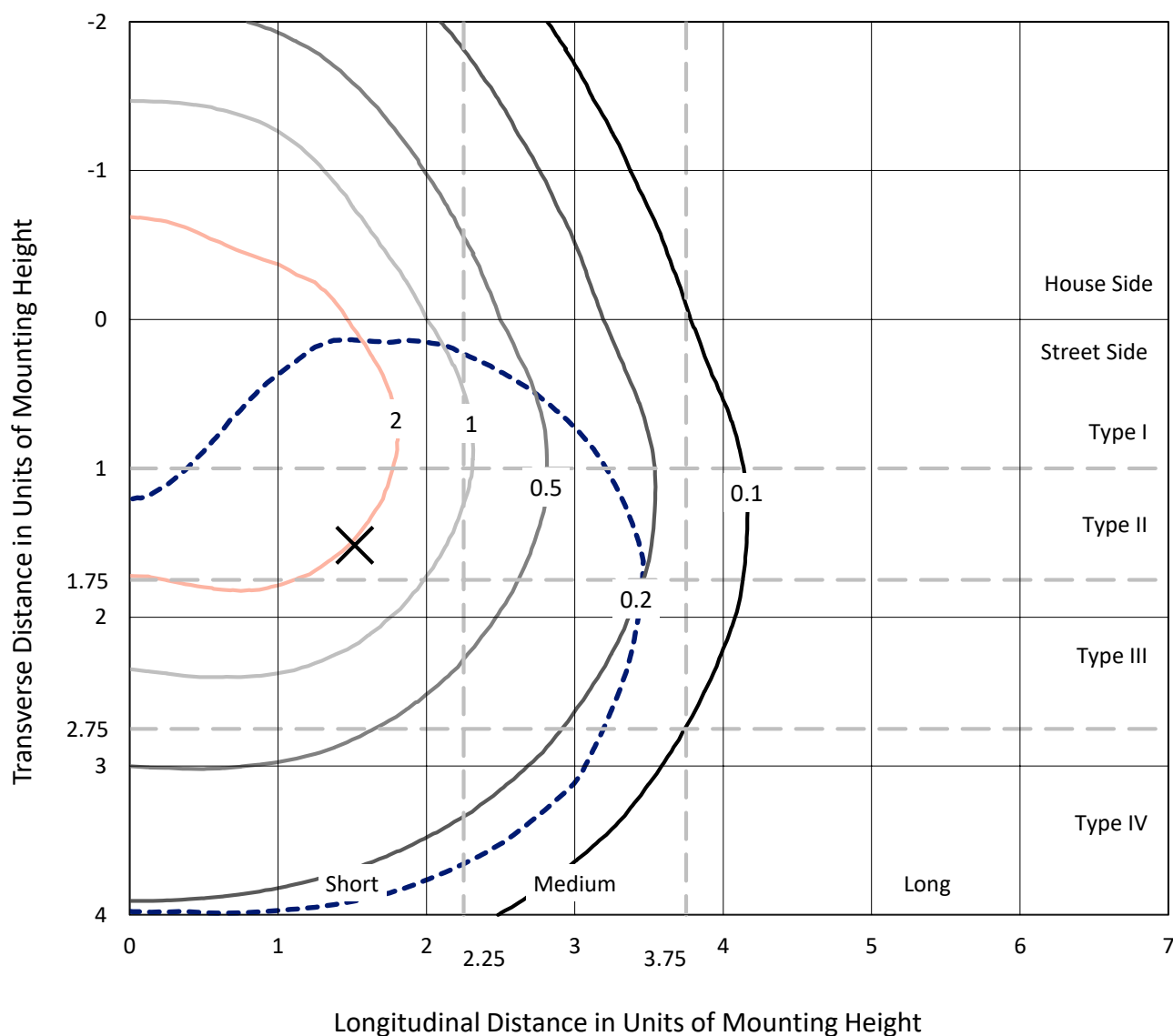


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

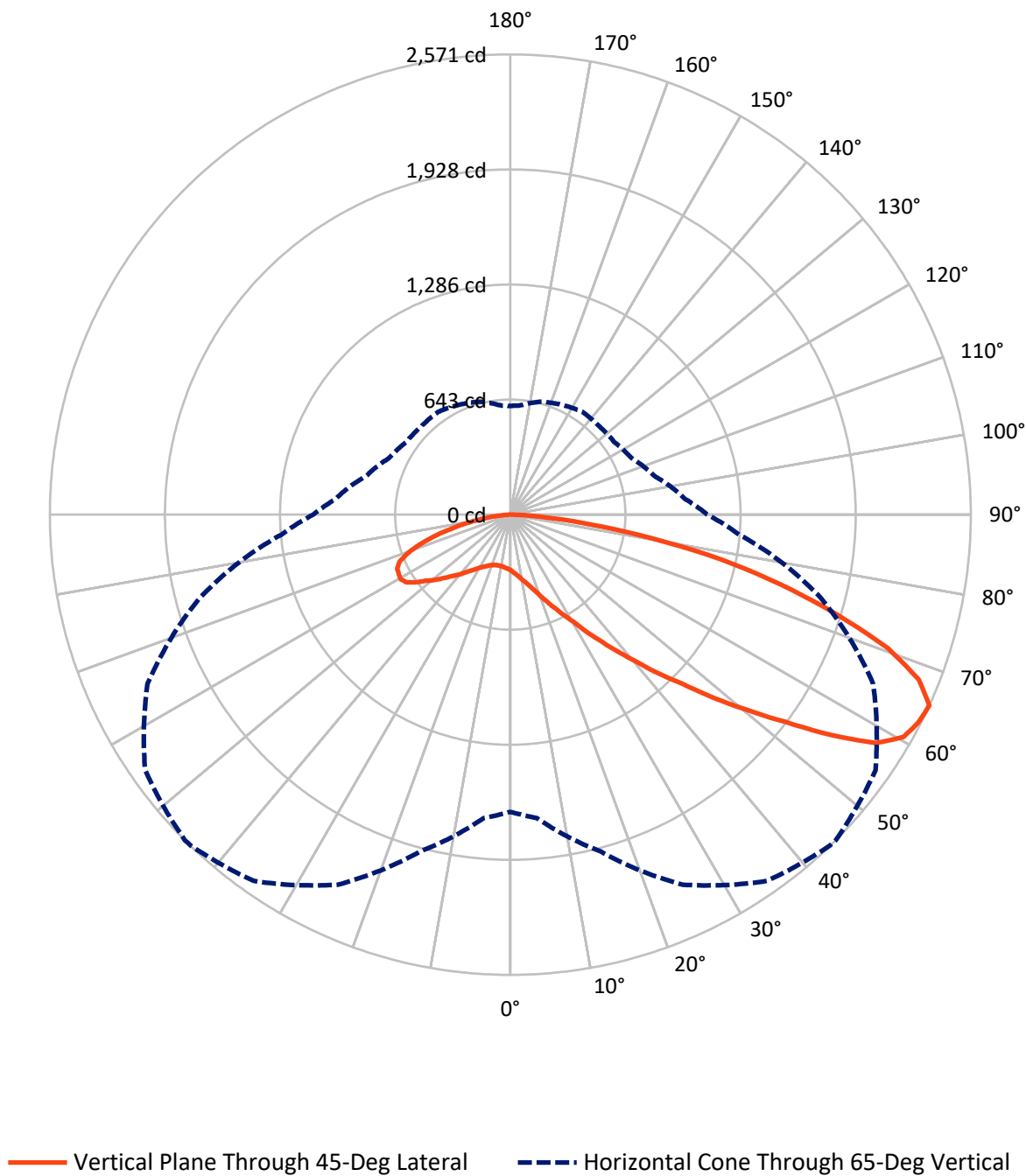


Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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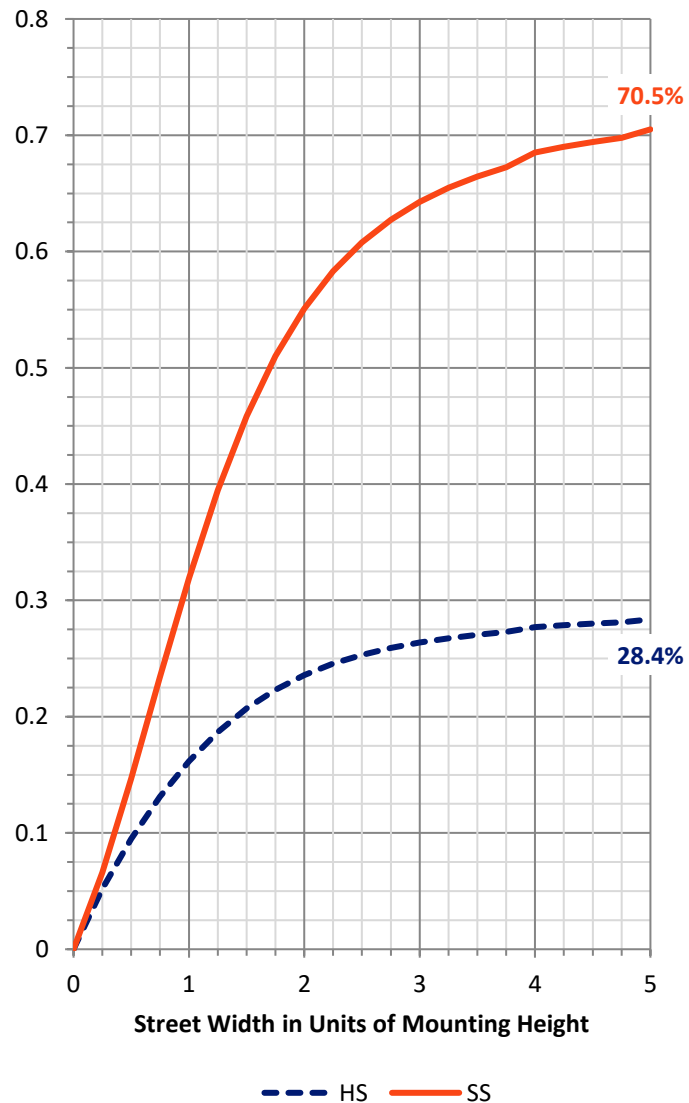
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1424.2	0.0	1424.2
	% Fixture	28.6	0.0	28.6
Street Side	Lumens	3549.5	0.0	3549.5
	% Fixture	71.4	0.0	71.4
Total	Lumens	4973.7	0.0	4973.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.7	0.6
10°-20°	101.8	2.0
20°-30°	206.7	4.2
30°-40°	380.4	7.6
40°-50°	673.8	13.5
50°-60°	1105.3	22.2
60°-70°	1358.1	27.3
70°-80°	934.4	18.8
80°-90°	182.4	3.7
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°	4973.7	100.0
0°-180°	4973.7	100.0

Coefficient of Utilization



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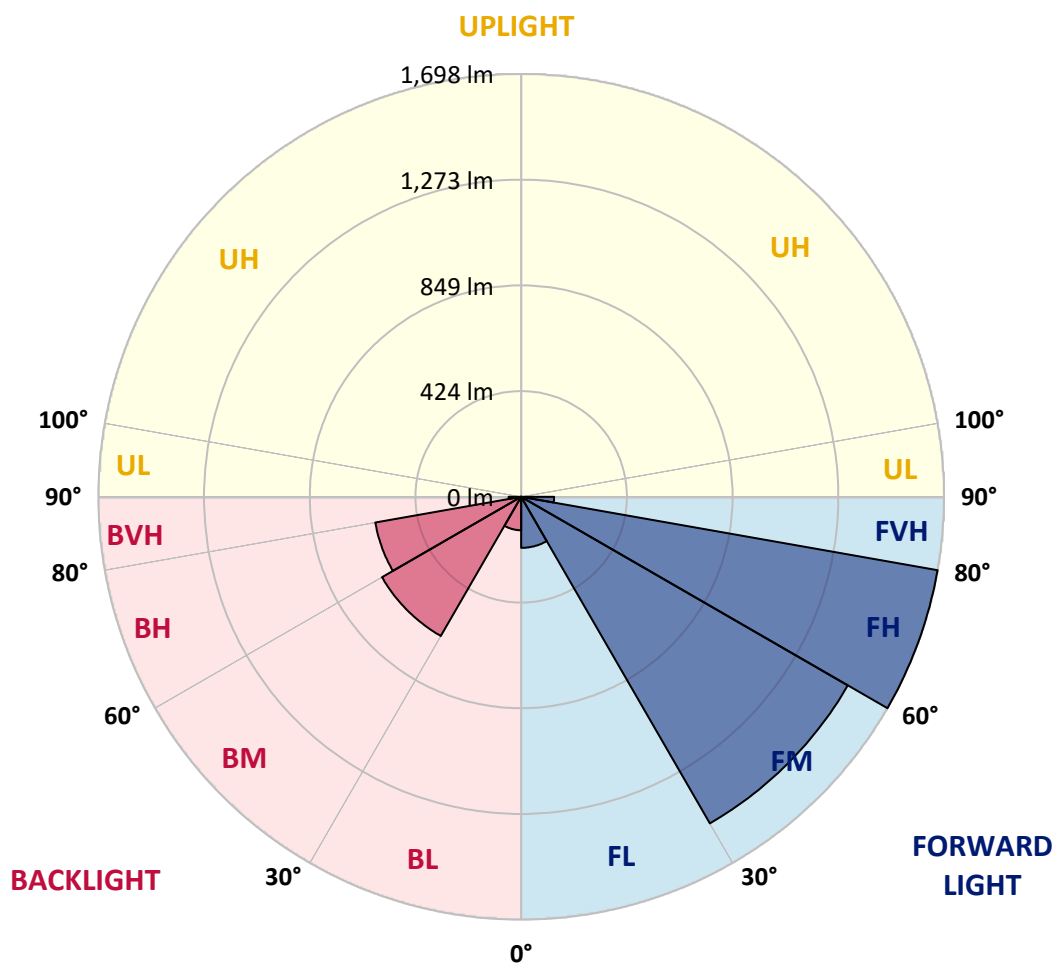
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	205.1	4.1			
FM	(30°-60°)	1514.2	30.4			
FH	(60°-80°)	1697.7	34.1			G1/1800
FVH	(80°-90°)	132.5	2.7			G2/225
BL	(0°-30°)	134.2	2.7	B1/500		
BM	(30°-60°)	645.3	13.0	B1/1000		
BH	(60°-80°)	594.8	12.0	B2/1000		G2/1000
BVH	(80°-90°)	49.9	1.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	310	310	310	310	310	310	310	310	310	310	310
2.5°	327	327	326	325	324	323	323	321	319	317	315
5°	344	343	343	342	340	336	335	333	329	324	320
7.5°	362	362	362	359	355	352	350	346	340	333	326
10°	383	384	382	380	376	370	370	362	353	344	335
12.5°	408	409	409	405	397	392	390	381	370	358	345
15°	434	438	436	434	425	418	416	402	390	374	358
17.5°	475	473	469	464	459	449	447	432	414	394	373
20°	513	513	509	505	499	485	487	467	443	419	391
22.5°	555	556	553	549	544	533	530	509	478	446	413
25°	597	599	601	601	594	581	579	552	520	478	438
27.5°	647	652	650	652	649	634	634	606	570	518	466
30°	694	700	703	711	711	702	695	669	626	565	502
32.5°	756	756	762	779	788	775	779	750	693	621	543
35°	819	819	830	853	862	865	865	829	772	686	593
37.5°	885	887	908	939	965	962	966	937	870	763	651
40°	951	957	990	1026	1070	1084	1078	1060	976	854	716
42.5°	1023	1034	1071	1127	1174	1212	1213	1184	1101	960	794
45°	1098	1115	1154	1227	1303	1348	1347	1350	1267	1092	894
47.5°	1184	1195	1250	1339	1441	1531	1530	1527	1420	1214	973
50°	1270	1276	1351	1480	1617	1705	1716	1727	1582	1367	1070
52.5°	1359	1363	1456	1611	1807	1937	1923	1928	1818	1566	1224
55°	1445	1446	1563	1781	2018	2152	2173	2196	2011	1674	1270
57.5°	1519	1527	1683	1951	2234	2417	2407	2378	2118	1717	1277
60°	1583	1602	1802	2109	2399	2511	2522	2424	2152	1735	1269
62.5°	1630	1661	1906	2229	2495	2564	2557	2444	2209	1806	1318
65°	1660	1701	1948	2281	2498	2569	2571	2489	2235	1794	1283
67.5°	1663	1721	1935	2245	2451	2470	2459	2338	2115	1684	1183
70°	1640	1683	1871	2109	2254	2243	2236	2110	1899	1522	1054
72.5°	1550	1581	1710	1877	1942	1936	1907	1811	1641	1303	892
75°	1371	1392	1449	1540	1600	1579	1561	1468	1327	1064	708
77.5°	1128	1105	1134	1170	1200	1207	1203	1108	1006	801	539
80°	790	783	780	796	823	813	797	760	680	546	378
82.5°	469	461	458	466	452	454	455	417	396	333	217
85°	207	207	202	202	201	202	207	194	181	151	104
87.5°	31	28	39	36	42	48	44	42	35	27	21
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°	310	310	310	310	310	310	310	310	310	310	310
2.5°	314	313	310	308	305	303	301	300	300	299	300
5°	318	316	311	307	303	300	297	294	292	291	291
7.5°	322	319	312	306	300	295	291	289	286	285	284
10°	329	325	315	306	299	292	287	284	282	281	281
12.5°	339	332	320	309	299	291	285	281	279	277	278
15°	349	341	326	311	300	292	285	281	278	277	276
17.5°	362	353	335	318	304	294	287	283	280	279	279
20°	379	367	344	325	310	299	291	287	284	284	284
22.5°	396	381	354	333	317	305	298	294	291	290	291
25°	416	399	368	343	326	315	308	303	300	300	300
27.5°	443	423	383	358	338	326	318	315	313	312	311
30°	473	447	405	373	353	340	333	330	327	325	324
32.5°	509	479	426	393	370	357	350	346	343	342	342
35°	554	517	456	417	391	377	370	366	363	362	363
37.5°	599	556	488	443	416	399	392	387	385	383	384
40°	654	601	525	475	443	429	418	412	409	406	404
42.5°	721	661	571	509	475	456	445	438	432	430	427
45°	806	733	631	552	511	487	474	465	456	454	451
47.5°	876	797	681	602	555	523	505	492	481	479	476
50°	954	865	728	644	591	564	541	523	511	505	507
52.5°	1087	975	812	702	635	600	582	558	539	530	532
55°	1116	1010	857	758	692	651	619	595	571	555	554
57.5°	1115	1006	854	766	720	693	665	626	597	576	575
60°	1102	991	839	752	719	711	696	667	620	597	592
62.5°	1134	1018	851	750	709	705	701	683	641	609	604
65°	1100	982	833	747	708	700	701	677	653	612	607
67.5°	1001	900	762	688	669	671	678	667	640	606	602
70°	891	798	676	610	596	607	626	627	609	582	583
72.5°	750	671	573	520	515	524	539	557	552	544	545
75°	608	544	455	420	419	426	446	460	470	473	480
77.5°	451	414	346	317	314	323	345	357	371	382	392
80°	316	282	238	216	220	226	240	255	265	274	274
82.5°	185	167	142	132	134	143	146	159	160	166	170
85°	87	75	68	67	67	68	74	75	76	78	86
87.5°	18	18	18	18	18	21	22	24	23	24	23
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)