

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: CORELITE

Report Number: P395076

Luminaire Tested: **I3-WL-30L935-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395076
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-WL-30L935-1D-UNV-STD-W-4
Description: CORELITE I3, DOWNLIGHT TRAY
3000 LUMENS
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2492.0 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.32
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Direct

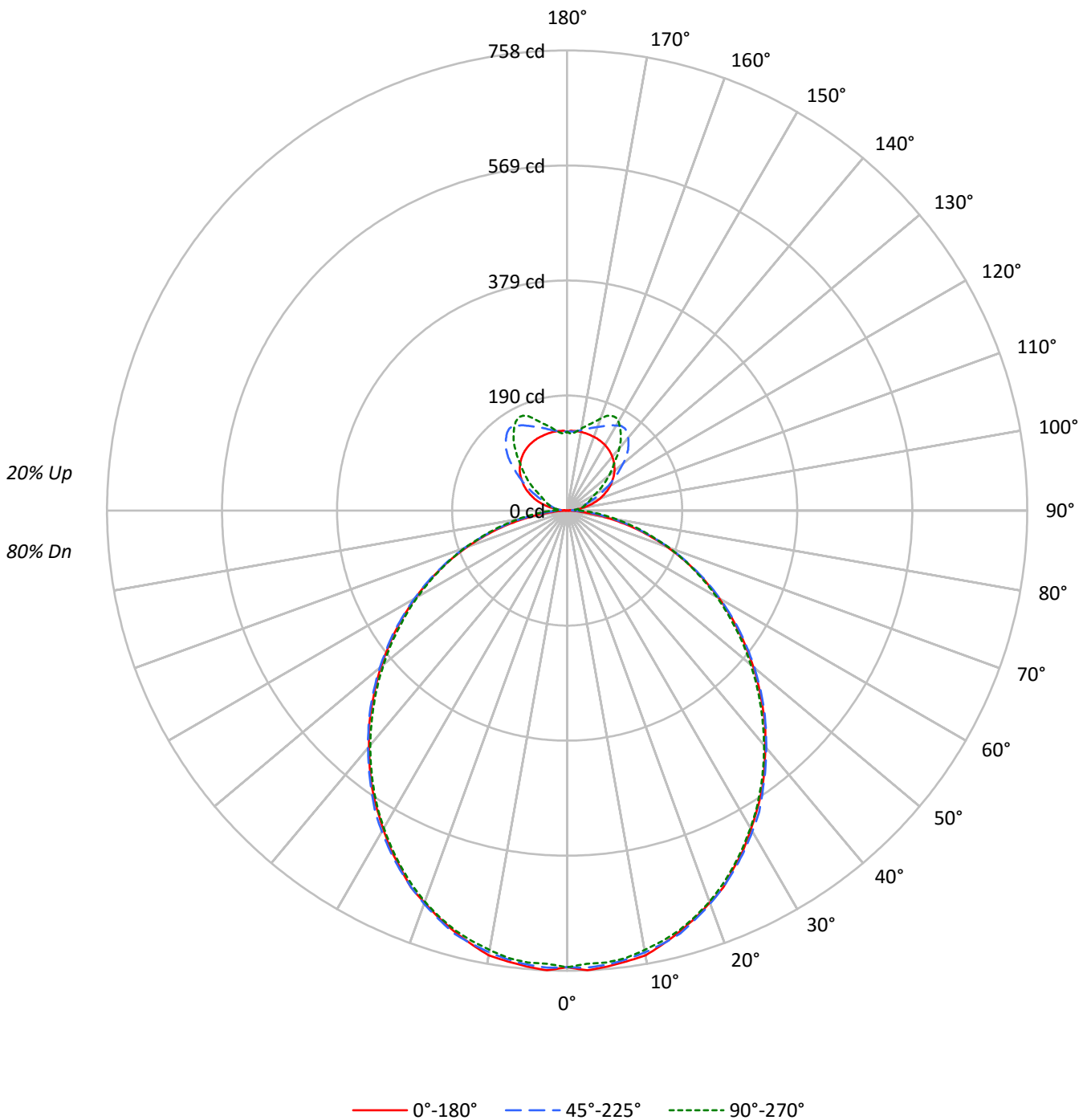
Input Watts (W): 23.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	80
1	104	100	96	92	99	95	92	88	87	85	82	80	78	76	73	72	70	67
2	95	87	80	75	90	83	78	73	77	72	68	70	67	63	65	62	59	56
3	87	77	69	62	82	73	66	61	68	62	57	62	57	53	57	53	50	47
4	79	68	59	53	75	65	57	52	60	54	49	55	50	46	51	47	43	40
5	73	61	52	46	69	58	50	44	54	47	42	50	44	40	46	41	38	35
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	42	37	33	31
7	62	49	41	35	59	48	40	34	44	38	33	41	35	31	38	33	30	27
8	58	45	37	31	55	43	36	31	41	34	29	38	32	28	35	30	26	24
9	54	41	33	28	52	40	33	27	37	31	26	35	29	25	32	28	24	22
10	51	38	30	25	49	37	30	25	34	28	24	32	27	23	30	25	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4134	4134	4134
5°	4145	4049	4005
10°	4121	3939	3874
15°	4038	3830	3737
20°	3959	3676	3575
25°	3864	3520	3397
30°	3753	3358	3214
35°	3649	3179	3026
40°	3518	2994	2829
45°	3392	2814	2623
50°	3258	2616	2414
55°	3116	2414	2202
60°	2959	2189	1983
65°	2776	1945	1747
70°	2518	1661	1500
75°	2170	1317	1205
80°	1655	948	899
85°	866	565	610



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.1	2.9
10°-20°	201.6	8.1
20°-30°	298.5	12.0
30°-40°	348.8	14.0
40°-50°	350.4	14.1
50°-60°	308.0	12.4
60°-70°	230.7	9.3
70°-80°	131.2	5.3
80°-90°	41.4	1.7
90°-100°	14.9	0.6
100°-110°	36.4	1.5
110°-120°	60.5	2.4
120°-130°	84.8	3.4
130°-140°	97.8	3.9
140°-150°	93.4	3.7
150°-160°	70.2	2.8
160°-170°	39.7	1.6
170°-180°	12.6	0.5
0°-30°	571.1	22.9
0°-40°	919.9	36.9
0°-60°	1578.3	63.3
0°-90°	1981.7	79.5
90°-120°	111.8	4.5
90°-150°	387.7	15.6
90°-180°	510.0	20.5
0°-180°	2492.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	752	752	752	752	752	
5°	754	746	751	748	747	72
15°	718	711	721	716	715	202
25°	650	648	652	650	647	299
35°	560	556	562	558	556	350
45°	455	454	458	453	450	351
55°	345	346	348	343	339	308
65°	233	234	235	233	230	230
75°	118	120	124	127	127	125
85°	20	27	36	44	46	26
90°	1	4	12	17	20	2
95°	11	11	11	12	13	12
105°	43	36	27	29	29	45
115°	70	87	54	43	43	69
125°	92	127	96	77	71	83
135°	109	139	142	118	109	84
145°	121	137	166	158	154	76
155°	127	135	154	170	172	59
165°	130	132	140	146	148	37
175°	132	130	130	130	128	13
180°	130	130	130	130	130	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2
2.5°	757.9	756.6	753.5	750.3	749.7	749.0	749.0	748.4	748.4	749.7	753.5
5°	754.1	753.5	750.3	747.1	746.5	746.5	745.8	745.8	745.8	747.1	750.9
7.5°	749.0	747.7	744.6	741.4	740.7	740.7	740.7	740.1	740.7	741.4	745.8
10°	743.9	743.3	740.1	736.2	735.0	735.0	734.3	733.1	733.1	734.3	738.8
12.5°	731.2	730.6	727.4	724.8	724.8	725.5	725.5	726.1	726.1	727.4	730.6
15°	717.8	717.2	714.0	711.4	711.4	711.4	710.8	710.8	711.4	715.3	721.0
17.5°	703.2	702.6	700.0	697.5	697.5	697.5	696.8	696.8	697.5	699.4	705.1
20°	687.3	686.6	684.1	681.6	681.6	681.6	680.9	681.6	681.6	684.1	689.2
22.5°	672.0	670.7	667.5	665.0	663.7	663.7	663.7	663.1	664.3	666.2	671.4
25°	649.7	649.1	647.8	645.9	647.2	647.8	646.5	645.3	645.3	647.8	652.3
27.5°	629.4	628.1	626.2	624.3	623.0	623.6	624.3	625.5	627.5	628.1	631.9
30°	605.8	605.2	603.3	600.7	601.4	602.0	602.0	602.0	603.3	609.0	610.3
32.5°	582.9	582.3	580.4	577.8	578.4	579.1	578.4	579.1	580.4	582.9	588.7
35°	560.0	558.7	556.8	556.2	555.5	555.5	555.5	556.2	556.8	558.7	561.9
37.5°	533.9	532.6	531.4	529.4	530.7	532.0	532.6	532.0	532.6	535.2	536.5
40°	507.8	507.2	505.9	504.6	505.2	505.9	505.2	507.2	508.4	509.7	510.4
42.5°	483.0	481.7	480.4	479.8	479.8	480.4	480.4	481.7	481.7	484.9	484.3
45°	455.0	454.3	453.7	453.7	454.3	454.3	454.3	455.0	455.6	457.5	458.2
47.5°	427.7	427.0	427.0	427.0	427.0	427.7	428.3	430.2	429.0	429.6	430.2
50°	400.3	399.7	399.7	399.7	400.9	400.9	402.2	402.9	403.5	402.2	402.9
52.5°	372.3	371.6	372.9	372.9	374.2	374.2	376.1	374.2	375.5	374.8	374.8
55°	344.9	344.3	345.5	344.9	346.2	346.2	347.5	348.1	347.5	347.5	347.5
57.5°	316.9	316.2	316.9	317.5	318.2	318.2	320.1	320.1	318.2	319.4	318.8
60°	289.0	288.3	289.0	289.6	290.2	290.2	290.8	289.6	290.8	291.4	290.8
62.5°	260.9	260.3	261.6	260.9	261.6	262.2	262.2	264.1	263.5	263.5	262.9
65°	232.9	232.3	232.3	232.3	232.9	233.6	234.2	234.8	234.8	235.5	234.8
67.5°	204.3	203.6	204.3	203.6	204.3	204.9	206.2	206.8	206.8	207.4	206.8
70°	175.0	175.6	175.0	175.6	176.2	176.9	177.5	178.8	178.8	178.8	178.8
72.5°	146.4	145.8	145.8	145.1	146.4	147.0	147.7	149.6	149.6	150.2	150.2
75°	118.4	117.1	117.7	117.1	119.7	120.3	120.3	122.2	122.8	124.1	123.5
77.5°	91.0	91.0	89.7	91.6	92.3	93.5	94.8	96.1	96.7	98.7	98.7
80°	64.9	64.9	64.2	65.5	68.1	68.7	70.6	71.3	73.2	74.5	75.1
82.5°	41.3	41.3	41.3	43.3	45.2	45.8	47.7	49.7	50.9	52.8	53.5
85°	20.4	21.6	21.6	24.2	25.5	26.7	27.4	29.9	31.9	34.4	36.2
87.5°	6.4	7.0	7.7	8.9	11.5	12.1	13.3	15.9	17.8	20.4	22.3
90°	0.6	0.6	1.3	1.9	3.2	3.8	5.1	6.4	8.3	10.2	11.5
92.5°	4.5	4.5	5.1	5.1	5.1	5.1	5.1	5.8	6.4	7.7	8.3
95°	10.8	17.2	10.2	9.6	10.8	10.8	11.5	10.8	10.8	10.8	10.8
97.5°	17.8	31.9	21.0	14.6	14.0	14.6	14.6	15.9	16.5	17.2	17.2
100°	26.1	40.1	36.9	24.2	19.7	19.1	19.1	19.1	19.7	20.4	21.0
102.5°	34.4	45.8	52.8	37.5	28.0	25.5	24.2	23.5	22.9	23.5	23.5
105°	42.6	51.6	64.9	50.9	40.1	36.2	32.5	28.0	27.4	27.4	27.4
107.5°	50.3	57.3	73.8	66.2	52.2	48.4	43.9	36.9	32.5	31.9	31.2
110°	57.3	63.0	80.2	78.9	65.5	59.8	56.0	48.4	42.0	37.5	35.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	63.6	68.7	84.6	89.7	80.2	73.2	67.4	59.8	52.8	47.1	42.6
115°	70.0	74.5	88.4	98.7	92.9	87.2	80.8	71.3	64.2	58.5	53.5
117.5°	76.4	80.2	92.3	105.0	103.8	99.9	94.8	83.3	75.1	69.4	63.6
120°	82.1	85.9	96.1	109.4	113.3	110.1	106.9	96.7	86.5	80.2	75.1
122.5°	87.2	90.4	99.9	113.3	120.3	119.7	116.5	109.4	99.3	91.6	85.2
125°	92.3	95.5	103.8	115.8	125.4	127.3	126.0	120.3	112.6	103.8	96.1
127.5°	97.4	99.9	107.5	118.4	129.2	133.0	133.6	129.8	124.1	116.5	108.1
130°	101.9	104.4	110.7	120.3	131.7	136.2	138.7	138.1	133.6	128.5	120.3
132.5°	105.6	107.5	113.9	122.2	133.0	138.1	141.9	145.1	141.9	138.1	132.3
135°	109.4	111.3	116.5	124.1	133.6	138.7	143.8	149.0	149.6	146.4	141.9
137.5°	112.6	113.9	119.0	125.4	133.6	138.7	143.8	150.8	154.6	153.3	149.6
140°	115.8	117.1	120.9	127.3	134.3	138.7	143.2	151.4	156.5	158.4	156.5
142.5°	118.4	119.7	122.8	128.5	134.3	138.1	142.6	150.2	157.2	161.0	162.3
145°	120.9	121.6	124.8	129.2	134.3	137.4	141.3	149.0	155.9	161.6	165.5
147.5°	122.8	123.5	125.4	129.8	134.3	136.8	140.0	146.4	153.3	159.7	165.5
150°	124.8	124.8	126.7	129.8	134.3	136.2	138.7	144.5	150.2	156.5	161.6
152.5°	126.0	126.0	127.9	130.4	133.6	135.5	138.1	142.6	147.7	153.3	158.4
155°	127.3	127.3	128.5	130.4	133.6	134.9	136.8	140.6	145.1	149.6	154.0
157.5°	128.5	128.5	129.2	131.1	133.0	134.3	136.2	139.4	142.6	146.4	150.2
160°	129.2	129.2	129.8	131.1	132.3	133.6	134.9	137.4	140.6	143.2	146.4
162.5°	129.8	129.8	130.4	131.1	132.3	133.0	133.6	136.2	138.1	140.6	143.2
165°	130.4	130.4	130.4	131.1	131.7	132.3	133.0	134.3	136.2	138.1	140.0
167.5°	131.1	131.1	131.1	131.1	131.7	131.7	132.3	133.0	134.3	135.5	136.8
170°	131.7	131.1	131.1	131.7	131.1	131.1	131.7	132.3	132.3	133.6	134.3
172.5°	131.7	131.7	131.1	131.1	131.1	131.1	131.1	131.1	131.1	131.7	132.3
175°	131.7	131.7	131.1	131.1	131.1	130.4	130.4	130.4	130.4	130.4	130.4
177.5°	131.7	131.7	131.1	131.1	130.4	130.4	130.4	130.4	130.4	130.4	130.4
180°	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2
2.5°	757.2	754.1	752.9	752.2	751.6	750.9	749.7	748.4	747.1	747.1
5°	754.1	750.9	749.7	749.0	748.4	747.7	747.1	747.1	747.1	747.1
7.5°	749.0	745.8	744.6	743.9	743.9	743.3	743.3	743.3	742.6	743.3
10°	741.4	738.2	737.5	736.9	736.2	735.0	735.0	735.0	734.3	735.0
12.5°	731.8	728.7	728.0	727.4	726.8	726.1	726.1	725.5	725.5	726.1
15°	722.3	717.8	716.5	716.5	715.9	715.3	715.9	715.3	715.3	715.3
17.5°	708.3	706.4	704.5	703.2	702.6	701.9	701.9	701.3	701.3	701.3
20°	689.8	689.8	689.8	686.6	686.0	685.4	685.4	685.4	685.4	685.4
22.5°	672.0	668.8	671.4	669.4	668.2	666.9	667.5	667.5	667.5	667.5
25°	652.3	649.7	650.4	651.0	649.7	647.8	647.8	647.8	647.8	647.2
27.5°	631.3	629.4	628.7	629.4	630.7	629.4	627.5	625.5	626.2	626.2
30°	608.4	607.7	607.1	605.8	607.1	607.7	604.6	603.9	603.9	603.9
32.5°	585.5	584.8	582.9	581.6	582.3	583.6	582.3	581.0	581.0	581.0
35°	562.6	560.0	558.1	557.5	557.5	558.7	558.1	556.2	556.2	556.2
37.5°	535.8	536.5	533.3	532.6	532.6	532.6	533.9	530.7	531.4	530.7
40°	509.7	510.4	508.4	506.5	507.2	505.9	507.8	504.6	504.6	504.6
42.5°	483.6	482.3	483.0	479.1	479.8	479.8	480.4	478.5	477.9	477.3
45°	456.9	455.6	455.0	453.1	453.1	452.5	452.5	449.9	449.9	449.9
47.5°	429.0	428.3	427.0	425.8	425.8	425.1	423.8	423.2	422.6	422.6
50°	402.2	400.3	398.4	399.0	398.4	397.7	396.5	395.8	395.2	394.5
52.5°	373.6	373.6	371.0	371.0	371.0	370.4	369.1	367.8	367.8	367.2
55°	345.5	344.9	343.0	342.3	343.0	342.3	341.1	339.8	339.8	339.1
57.5°	317.5	316.2	315.6	315.6	315.0	315.0	313.1	311.9	312.5	311.9
60°	289.0	289.0	288.3	287.7	287.7	287.0	285.1	285.1	285.1	284.5
62.5°	261.6	261.6	260.3	259.7	260.3	259.7	259.0	258.4	257.7	257.1
65°	232.9	233.6	232.3	232.9	232.9	231.6	231.6	231.0	231.0	230.4
67.5°	206.2	206.2	205.5	205.5	206.2	205.5	205.5	204.9	204.9	204.3
70°	178.8	180.1	179.4	179.4	179.4	178.8	178.8	178.8	178.1	178.8
72.5°	151.4	151.4	151.4	151.4	151.4	152.1	152.1	152.1	152.1	151.4
75°	126.0	126.7	126.0	126.7	127.3	127.3	127.3	127.3	127.9	127.3
77.5°	101.2	101.9	101.9	103.1	103.1	103.1	103.8	103.8	103.8	103.8
80°	77.7	78.3	78.9	80.2	80.2	81.5	82.1	82.1	82.1	82.1
82.5°	56.0	57.9	58.5	60.4	61.1	61.1	62.3	63.0	63.0	63.0
85°	38.8	40.7	42.0	43.3	44.5	44.5	45.8	45.8	46.5	46.5
87.5°	24.2	26.1	27.4	29.3	29.9	30.6	31.2	31.9	32.5	32.5
90°	13.3	14.6	15.9	17.2	17.2	17.8	18.4	19.1	19.7	19.7
92.5°	9.6	10.2	11.5	12.1	12.1	12.7	13.3	13.3	14.0	14.0
95°	10.8	11.5	11.5	12.1	12.1	12.1	12.7	12.7	12.7	12.7
97.5°	16.5	16.5	16.5	15.9	15.9	15.9	15.9	15.9	15.9	15.9
100°	21.6	22.3	22.3	22.3	22.9	22.9	22.9	22.9	22.3	22.3
102.5°	24.2	24.8	25.5	26.1	26.1	26.1	26.7	26.7	26.7	26.7
105°	27.4	27.4	28.0	28.7	28.7	28.7	29.3	29.3	29.3	29.3
107.5°	31.2	31.2	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
110°	35.6	35.6	35.6	35.0	35.6	35.0	35.0	35.0	35.0	35.0



TEST NUMBER: P395076

CATALOG NUMBER: I3-WL-30L935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	40.7	40.1	40.1	39.4	39.4	39.4	38.8	38.8	38.8	38.8
115°	49.0	45.8	44.5	43.3	43.3	43.3	42.6	42.6	42.6	42.6
117.5°	59.2	54.8	52.2	49.7	49.0	48.4	47.1	47.1	46.5	46.5
120°	70.0	65.5	61.7	58.5	57.3	56.7	54.8	53.5	52.2	52.2
122.5°	80.2	75.8	71.9	68.7	67.4	66.2	64.2	63.0	61.7	61.7
125°	90.4	85.9	82.1	78.9	77.0	75.8	73.8	72.6	71.3	71.3
127.5°	101.2	95.5	91.6	88.4	86.5	85.9	83.3	82.1	80.8	80.8
130°	113.3	106.2	101.2	97.4	96.1	94.8	92.9	91.6	90.4	90.4
132.5°	125.4	118.4	112.6	107.5	105.6	104.4	101.9	100.6	99.3	99.3
135°	136.8	130.4	124.8	119.7	117.7	115.8	113.3	110.7	109.4	109.4
137.5°	145.8	141.3	136.2	131.7	129.8	127.9	125.4	122.8	120.9	121.6
140°	153.3	149.6	146.4	143.2	141.3	140.0	137.4	135.5	133.6	133.6
142.5°	160.4	157.2	154.0	151.4	150.8	150.2	148.3	146.4	145.1	145.1
145°	166.7	164.8	162.3	159.1	158.4	157.8	155.9	154.6	154.0	154.0
147.5°	168.7	169.3	168.7	166.7	166.1	165.5	164.2	162.9	162.3	162.3
150°	167.4	169.9	171.2	171.2	171.2	171.2	171.2	169.9	169.3	169.3
152.5°	163.6	167.4	169.9	171.9	172.5	173.1	173.1	173.7	173.1	173.1
155°	159.1	162.9	166.7	168.7	169.9	170.6	171.9	172.5	173.1	172.5
157.5°	154.0	157.2	159.7	163.6	164.8	166.1	167.4	168.7	169.3	168.7
160°	149.6	152.1	154.0	156.5	157.2	158.4	159.7	160.4	161.6	161.0
162.5°	145.1	147.0	149.0	150.2	151.4	152.1	153.3	154.0	154.6	154.0
165°	141.9	143.2	143.8	145.1	145.8	146.4	147.0	147.7	147.7	147.7
167.5°	138.1	139.4	140.0	140.6	141.3	141.9	141.9	142.6	142.6	142.6
170°	134.9	135.5	136.2	136.8	136.8	137.4	137.4	137.4	138.1	137.4
172.5°	132.3	132.3	132.3	133.0	133.0	133.0	133.0	133.0	133.0	132.3
175°	131.1	131.1	130.4	130.4	130.4	130.4	130.4	129.8	129.2	128.5
177.5°	130.4	129.8	129.8	129.2	129.2	129.2	128.5	127.9	127.3	126.7
180°	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8

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