

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: P395079

Luminaire Tested: **I3-WL-40L935-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395079
Test Lab: INNOVATION CENTER (G2)
Issue Date: 3/30/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-WL-40L935-1D-UNV-STD-W-4
Description: CORELITE I3, DOWNLIGHT TRAY
4000 LUMENS
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3371.6 lumens
Efficiency: N/A
Efficacy: 97.2 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

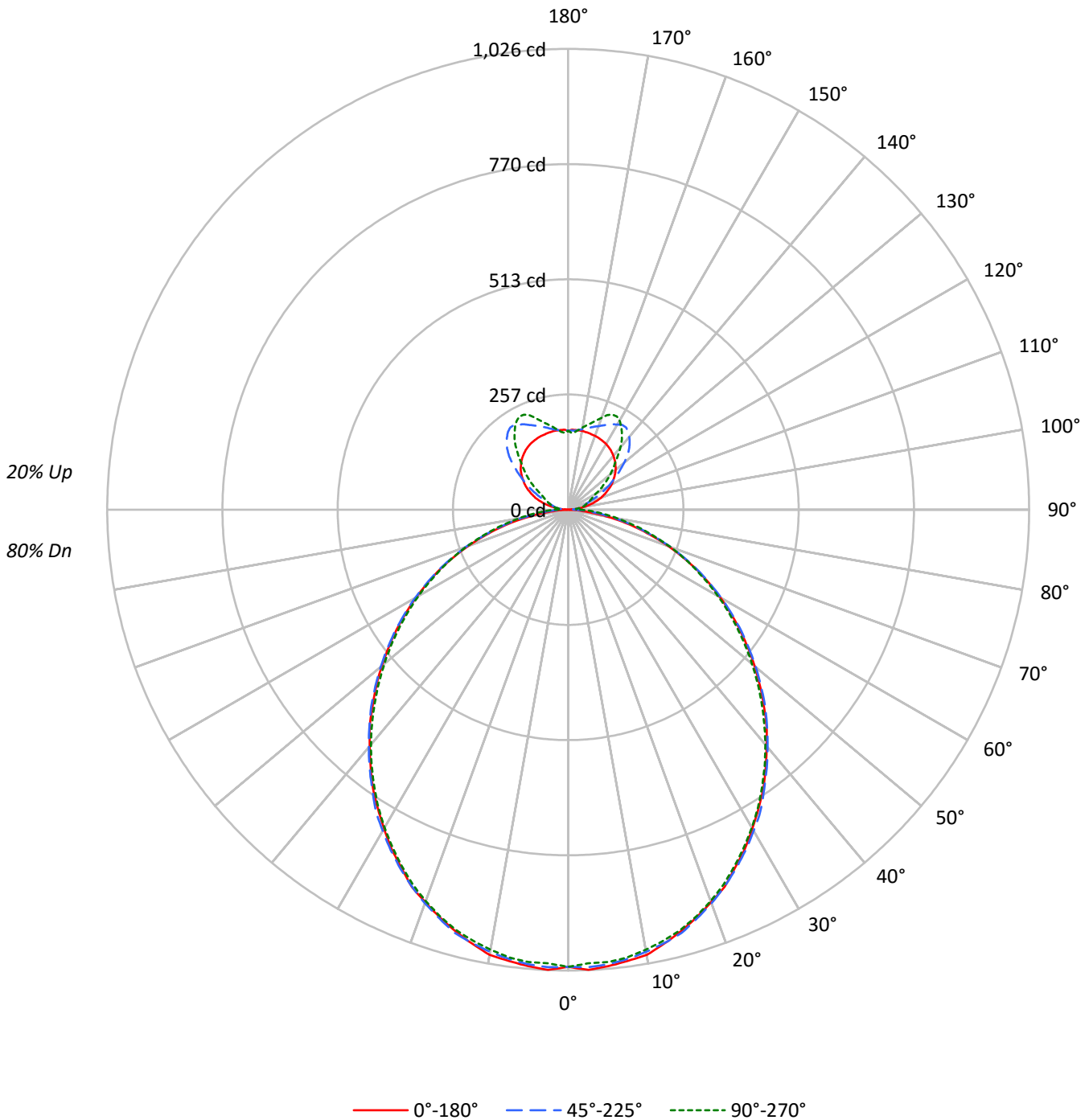
Input Watts (W): 34.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395079

CATALOG NUMBER: I3-WL-40L935-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P395079

CATALOG NUMBER: I3-WL-40L935-1D-UNV-STD-W-4

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°	5594	5594	5594
5°	5609	5478	5419
10°	5576	5329	5242
15°	5464	5182	5056
20°	5356	4973	4837
25°	5228	4762	4596
30°	5078	4543	4349
35°	4937	4301	4094
40°	4760	4051	3828
45°	4590	3807	3549
50°	4408	3539	3267
55°	4216	3265	2979
60°	4002	2962	2682
65°	3755	2632	2364
70°	3407	2247	2029
75°	2934	1780	1630
80°	2239	1283	1217
85°	1171	767	825



TEST NUMBER: P395079

CATALOG NUMBER: I3-WL-40L935-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.2	2.9
10°-20°	272.7	8.1
20°-30°	403.8	12.0
30°-40°	472.0	14.0
40°-50°	474.1	14.1
50°-60°	416.7	12.4
60°-70°	312.2	9.3
70°-80°	177.6	5.3
80°-90°	56.1	1.7
90°-100°	20.2	0.6
100°-110°	49.2	1.5
110°-120°	81.8	2.4
120°-130°	114.8	3.4
130°-140°	132.3	3.9
140°-150°	126.3	3.7
150°-160°	95.0	2.8
160°-170°	53.8	1.6
170°-180°	17.0	0.5
0°-30°	772.7	22.9
0°-40°	1244.7	36.9
0°-60°	2135.4	63.3
0°-90°	2681.2	79.5
90°-120°	151.2	4.5
90°-150°	524.6	15.6
90°-180°	690.0	20.5
0°-180°	3371.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1018	1018	1018	1018	1018	
5°	1020	1010	1016	1012	1011	97
15°	971	963	976	969	968	274
25°	879	876	882	879	876	405
35°	758	752	760	754	752	473
45°	616	615	620	613	609	475
55°	467	468	470	464	459	417
65°	315	316	318	315	312	311
75°	160	163	167	172	172	170
85°	28	36	49	60	63	36
90°	1	5	16	23	27	2
95°	15	15	15	16	17	16
105°	58	49	37	39	40	60
115°	95	118	72	58	58	94
125°	125	172	130	104	96	112
135°	148	188	192	159	148	114
145°	164	186	224	214	208	102
155°	172	182	208	230	233	80
165°	176	179	189	197	200	50
175°	178	176	176	176	174	17
180°	176	176	176	176	176	



TEST NUMBER: P395079

CATALOG NUMBER: I3-WL-40L935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7
2.5°	1025.5	1023.7	1019.4	1015.1	1014.3	1013.4	1013.4	1012.5	1012.5	1014.3	1019.4
5°	1020.3	1019.4	1015.1	1010.8	1010.0	1010.0	1009.1	1009.1	1009.1	1010.8	1016.0
7.5°	1013.4	1011.7	1007.4	1003.1	1002.2	1002.2	1002.2	1001.3	1002.2	1003.1	1009.1
10°	1006.5	1005.6	1001.3	996.2	994.5	994.5	993.6	991.9	991.9	993.6	999.6
12.5°	989.3	988.4	984.1	980.7	980.7	981.5	981.5	982.4	982.4	984.1	988.4
15°	971.2	970.3	966.0	962.6	962.6	962.6	961.7	961.7	962.6	967.8	975.5
17.5°	951.4	950.5	947.1	943.7	943.7	943.7	942.8	942.8	943.7	946.2	954.0
20°	929.9	929.0	925.6	922.1	922.1	922.1	921.3	922.1	922.1	925.6	932.5
22.5°	909.2	907.5	903.2	899.7	898.0	898.0	898.0	897.2	898.9	901.5	908.4
25°	879.1	878.2	876.5	873.9	875.6	876.5	874.8	873.1	873.1	876.5	882.5
27.5°	851.5	849.8	847.2	844.6	842.9	843.8	844.6	846.4	848.9	849.8	855.0
30°	819.7	818.8	816.2	812.8	813.6	814.5	814.5	814.5	816.2	824.0	825.7
32.5°	788.7	787.8	785.2	781.8	782.6	783.5	782.6	783.5	785.2	788.7	796.4
35°	757.7	756.0	753.4	752.5	751.7	751.7	751.7	752.5	753.4	756.0	760.3
37.5°	722.4	720.7	718.9	716.4	718.1	719.8	720.7	719.8	720.7	724.1	725.8
40°	687.1	686.2	684.5	682.8	683.6	684.5	683.6	686.2	687.9	689.7	690.5
42.5°	653.5	651.8	650.1	649.2	649.2	650.1	650.1	651.8	651.8	656.1	655.2
45°	615.6	614.8	613.9	613.9	614.8	614.8	614.8	615.6	616.5	619.1	619.9
47.5°	578.6	577.7	577.7	577.7	577.7	578.6	579.5	582.0	580.3	581.2	582.0
50°	541.6	540.7	540.7	540.7	542.4	542.4	544.2	545.0	545.9	544.2	545.0
52.5°	503.7	502.8	504.5	504.5	506.3	506.3	508.9	506.3	508.0	507.1	507.1
55°	466.7	465.8	467.5	466.7	468.4	468.4	470.1	471.0	470.1	470.1	470.1
57.5°	428.8	427.9	428.8	429.6	430.5	430.5	433.1	433.1	430.5	432.2	431.4
60°	390.9	390.0	390.9	391.8	392.6	392.6	393.5	391.8	393.5	394.3	393.5
62.5°	353.0	352.1	353.9	353.0	353.9	354.7	354.7	357.3	356.5	356.5	355.6
65°	315.1	314.3	314.3	314.3	315.1	316.0	316.8	317.7	317.7	318.6	317.7
67.5°	276.4	275.5	276.4	275.5	276.4	277.2	279.0	279.8	279.8	280.7	279.8
70°	236.8	237.6	236.8	237.6	238.5	239.4	240.2	241.9	241.9	241.9	241.9
72.5°	198.0	197.2	197.2	196.3	198.0	198.9	199.8	202.3	202.3	203.2	203.2
75°	160.1	158.4	159.3	158.4	161.9	162.7	162.7	165.3	166.2	167.9	167.0
77.5°	123.1	123.1	121.4	124.0	124.8	126.6	128.3	130.0	130.9	133.5	133.5
80°	87.8	87.8	87.0	88.7	92.1	93.0	95.6	96.4	99.0	100.7	101.6
82.5°	56.0	56.0	56.0	58.5	61.1	62.0	64.6	67.2	68.9	71.5	72.3
85°	27.6	29.3	29.3	32.7	34.4	36.2	37.0	40.5	43.0	46.5	49.1
87.5°	8.6	9.5	10.3	12.1	15.5	16.4	18.1	21.5	24.1	27.6	30.1
90°	0.9	0.9	1.7	2.6	4.3	5.2	6.9	8.6	11.2	13.8	15.5
92.5°	6.0	6.0	6.9	6.9	6.9	6.9	6.9	7.7	8.6	10.3	11.2
95°	14.6	23.2	13.8	12.9	14.6	14.6	15.5	14.6	14.6	14.6	14.6
97.5°	24.1	43.0	28.4	19.8	18.9	19.8	19.8	21.5	22.4	23.2	23.2
100°	35.3	54.2	49.9	32.7	26.7	25.8	25.8	25.8	26.7	27.6	28.4
102.5°	46.5	62.0	71.5	50.8	37.9	34.4	32.7	31.9	31.0	31.9	31.9
105°	57.7	69.7	87.8	68.9	54.2	49.1	43.9	37.9	37.0	37.0	37.0
107.5°	68.0	77.5	99.9	89.5	70.6	65.4	59.4	49.9	43.9	43.0	42.2
110°	77.5	85.2	108.5	106.8	88.7	80.9	75.8	65.4	56.8	50.8	48.2



TEST NUMBER: P395079

CATALOG NUMBER: I3-WL-40L935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	86.1	93.0	114.5	121.4	108.5	99.0	91.3	80.9	71.5	63.7	57.7
115°	94.7	100.7	119.7	133.5	125.7	118.0	109.3	96.4	87.0	79.2	72.3
117.5°	103.3	108.5	124.8	142.1	140.3	135.2	128.3	112.8	101.6	93.8	86.1
120°	111.1	116.2	130.0	148.1	153.3	149.0	144.6	130.9	117.1	108.5	101.6
122.5°	118.0	122.3	135.2	153.3	162.7	161.9	157.6	148.1	134.3	124.0	115.4
125°	124.8	129.2	140.3	156.7	169.6	172.2	170.5	162.7	152.4	140.3	130.0
127.5°	131.7	135.2	145.5	160.1	174.8	179.9	180.8	175.6	167.9	157.6	146.4
130°	137.8	141.2	149.8	162.7	178.2	184.3	187.7	186.8	180.8	173.9	162.7
132.5°	142.9	145.5	154.1	165.3	179.9	186.8	192.0	196.3	192.0	186.8	179.1
135°	148.1	150.7	157.6	167.9	180.8	187.7	194.6	201.5	202.3	198.0	192.0
137.5°	152.4	154.1	161.0	169.6	180.8	187.7	194.6	204.1	209.2	207.5	202.3
140°	156.7	158.4	163.6	172.2	181.7	187.7	193.7	204.9	211.8	214.4	211.8
142.5°	160.1	161.9	166.2	173.9	181.7	186.8	192.9	203.2	212.7	217.8	219.6
145°	163.6	164.5	168.8	174.8	181.7	186.0	191.1	201.5	210.9	218.7	223.9
147.5°	166.2	167.0	169.6	175.6	181.7	185.1	189.4	198.0	207.5	216.1	223.9
150°	168.8	168.8	171.3	175.6	181.7	184.3	187.7	195.4	203.2	211.8	218.7
152.5°	170.5	170.5	173.1	176.5	180.8	183.4	186.8	192.9	199.8	207.5	214.4
155°	172.2	172.2	173.9	176.5	180.8	182.5	185.1	190.3	196.3	202.3	208.4
157.5°	173.9	173.9	174.8	177.4	179.9	181.7	184.3	188.6	192.9	198.0	203.2
160°	174.8	174.8	175.6	177.4	179.1	180.8	182.5	186.0	190.3	193.7	198.0
162.5°	175.6	175.6	176.5	177.4	179.1	179.9	180.8	184.3	186.8	190.3	193.7
165°	176.5	176.5	176.5	177.4	178.2	179.1	179.9	181.7	184.3	186.8	189.4
167.5°	177.4	177.4	177.4	177.4	178.2	178.2	179.1	179.9	181.7	183.4	185.1
170°	178.2	177.4	177.4	178.2	177.4	177.4	178.2	179.1	179.1	180.8	181.7
172.5°	178.2	178.2	177.4	177.4	177.4	177.4	177.4	177.4	177.4	178.2	179.1
175°	178.2	178.2	177.4	177.4	177.4	176.5	176.5	176.5	176.5	176.5	176.5
177.5°	178.2	178.2	177.4	177.4	176.5	176.5	176.5	176.5	176.5	176.5	176.5
180°	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6



TEST NUMBER: P395079

CATALOG NUMBER: I3-WL-40L935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7
2.5°	1024.6	1020.3	1018.6	1017.7	1016.8	1016.0	1014.3	1012.5	1010.8	1010.8
5°	1020.3	1016.0	1014.3	1013.4	1012.5	1011.7	1010.8	1010.8	1010.8	1010.8
7.5°	1013.4	1009.1	1007.4	1006.5	1006.5	1005.6	1005.6	1005.6	1004.8	1005.6
10°	1003.1	998.8	997.9	997.0	996.2	994.5	994.5	994.5	993.6	994.5
12.5°	990.2	985.8	985.0	984.1	983.3	982.4	982.4	981.5	981.5	982.4
15°	977.2	971.2	969.5	969.5	968.6	967.8	968.6	967.8	967.8	967.8
17.5°	958.3	955.7	953.1	951.4	950.5	949.7	949.7	948.8	948.8	948.8
20°	933.3	933.3	933.3	929.0	928.2	927.3	927.3	927.3	927.3	927.3
22.5°	909.2	904.9	908.4	905.8	904.0	902.3	903.2	903.2	903.2	903.2
25°	882.5	879.1	879.9	880.8	879.1	876.5	876.5	876.5	876.5	875.6
27.5°	854.1	851.5	850.7	851.5	853.3	851.5	848.9	846.4	847.2	847.2
30°	823.1	822.3	821.4	819.7	821.4	822.3	817.9	817.1	817.1	817.1
32.5°	792.1	791.3	788.7	787.0	787.8	789.5	787.8	786.1	786.1	786.1
35°	761.1	757.7	755.1	754.2	754.2	756.0	755.1	752.5	752.5	752.5
37.5°	725.0	725.8	721.5	720.7	720.7	720.7	722.4	718.1	718.9	718.1
40°	689.7	690.5	687.9	685.4	686.2	684.5	687.1	682.8	682.8	682.8
42.5°	654.4	652.6	653.5	648.3	649.2	649.2	650.1	647.5	646.6	645.8
45°	618.2	616.5	615.6	613.0	613.0	612.2	612.2	608.7	608.7	608.7
47.5°	580.3	579.5	577.7	576.0	576.0	575.1	573.4	572.6	571.7	571.7
50°	544.2	541.6	539.0	539.8	539.0	538.1	536.4	535.5	534.7	533.8
52.5°	505.4	505.4	502.0	502.0	502.0	501.1	499.4	497.7	497.7	496.8
55°	467.5	466.7	464.1	463.2	464.1	463.2	461.5	459.8	459.8	458.9
57.5°	429.6	427.9	427.1	427.1	426.2	426.2	423.6	421.9	422.8	421.9
60°	390.9	390.9	390.0	389.2	389.2	388.3	385.7	385.7	385.7	384.9
62.5°	353.9	353.9	352.1	351.3	352.1	351.3	350.4	349.6	348.7	347.8
65°	315.1	316.0	314.3	315.1	315.1	313.4	313.4	312.5	312.5	311.7
67.5°	279.0	279.0	278.1	278.1	279.0	278.1	278.1	277.2	277.2	276.4
70°	241.9	243.7	242.8	242.8	242.8	241.9	241.9	241.9	241.1	241.9
72.5°	204.9	204.9	204.9	204.9	204.9	205.8	205.8	205.8	205.8	204.9
75°	170.5	171.3	170.5	171.3	172.2	172.2	172.2	172.2	173.1	172.2
77.5°	136.9	137.8	137.8	139.5	139.5	139.5	140.3	140.3	140.3	140.3
80°	105.0	105.9	106.8	108.5	108.5	110.2	111.1	111.1	111.1	111.1
82.5°	75.8	78.4	79.2	81.8	82.7	82.7	84.4	85.2	85.2	85.2
85°	52.5	55.1	56.8	58.5	60.3	60.3	62.0	62.0	62.9	62.9
87.5°	32.7	35.3	37.0	39.6	40.5	41.3	42.2	43.0	43.9	43.9
90°	18.1	19.8	21.5	23.2	23.2	24.1	25.0	25.8	26.7	26.7
92.5°	12.9	13.8	15.5	16.4	16.4	17.2	18.1	18.1	18.9	18.9
95°	14.6	15.5	15.5	16.4	16.4	16.4	17.2	17.2	17.2	17.2
97.5°	22.4	22.4	22.4	21.5	21.5	21.5	21.5	21.5	21.5	21.5
100°	29.3	30.1	30.1	30.1	31.0	31.0	31.0	31.0	30.1	30.1
102.5°	32.7	33.6	34.4	35.3	35.3	35.3	36.2	36.2	36.2	36.2
105°	37.0	37.0	37.9	38.7	38.7	38.7	39.6	39.6	39.6	39.6
107.5°	42.2	42.2	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
110°	48.2	48.2	48.2	47.4	48.2	47.4	47.4	47.4	47.4	47.4



TEST NUMBER: P395079

CATALOG NUMBER: I3-WL-40L935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	55.1	54.2	54.2	53.4	53.4	53.4	52.5	52.5	52.5	52.5
115°	66.3	62.0	60.3	58.5	58.5	58.5	57.7	57.7	57.7	57.7
117.5°	80.1	74.0	70.6	67.2	66.3	65.4	63.7	63.7	62.9	62.9
120°	94.7	88.7	83.5	79.2	77.5	76.6	74.0	72.3	70.6	70.6
122.5°	108.5	102.5	97.3	93.0	91.3	89.5	87.0	85.2	83.5	83.5
125°	122.3	116.2	111.1	106.8	104.2	102.5	99.9	98.2	96.4	96.4
127.5°	136.9	129.2	124.0	119.7	117.1	116.2	112.8	111.1	109.3	109.3
130°	153.3	143.8	136.9	131.7	130.0	128.3	125.7	124.0	122.3	122.3
132.5°	169.6	160.1	152.4	145.5	142.9	141.2	137.8	136.0	134.3	134.3
135°	185.1	176.5	168.8	161.9	159.3	156.7	153.3	149.8	148.1	148.1
137.5°	197.2	191.1	184.3	178.2	175.6	173.1	169.6	166.2	163.6	164.5
140°	207.5	202.3	198.0	193.7	191.1	189.4	186.0	183.4	180.8	180.8
142.5°	217.0	212.7	208.4	204.9	204.1	203.2	200.6	198.0	196.3	196.3
145°	225.6	223.0	219.6	215.2	214.4	213.5	210.9	209.2	208.4	208.4
147.5°	228.2	229.0	228.2	225.6	224.7	223.9	222.1	220.4	219.6	219.6
150°	226.4	229.9	231.6	231.6	231.6	231.6	231.6	229.9	229.0	229.0
152.5°	221.3	226.4	229.9	232.5	233.3	234.2	234.2	235.1	234.2	234.2
155°	215.2	220.4	225.6	228.2	229.9	230.7	232.5	233.3	234.2	233.3
157.5°	208.4	212.7	216.1	221.3	223.0	224.7	226.4	228.2	229.0	228.2
160°	202.3	205.8	208.4	211.8	212.7	214.4	216.1	217.0	218.7	217.8
162.5°	196.3	198.9	201.5	203.2	204.9	205.8	207.5	208.4	209.2	208.4
165°	192.0	193.7	194.6	196.3	197.2	198.0	198.9	199.8	199.8	199.8
167.5°	186.8	188.6	189.4	190.3	191.1	192.0	192.0	192.9	192.9	192.9
170°	182.5	183.4	184.3	185.1	185.1	186.0	186.0	186.0	186.8	186.0
172.5°	179.1	179.1	179.1	179.9	179.9	179.9	179.9	179.9	179.9	179.1
175°	177.4	177.4	176.5	176.5	176.5	176.5	176.5	175.6	174.8	173.9
177.5°	176.5	175.6	175.6	174.8	174.8	174.8	173.9	173.1	172.2	171.3
180°	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6

(END OF REPORT)