

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: P395032

Luminaire Tested: **I3-CL-60L940-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395032  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/30/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: I3-CL-60L940-1D-UNV-STD-W-4  
Description: CORELITE I3, CLEAR TOP COVER  
6000 LUMENS  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

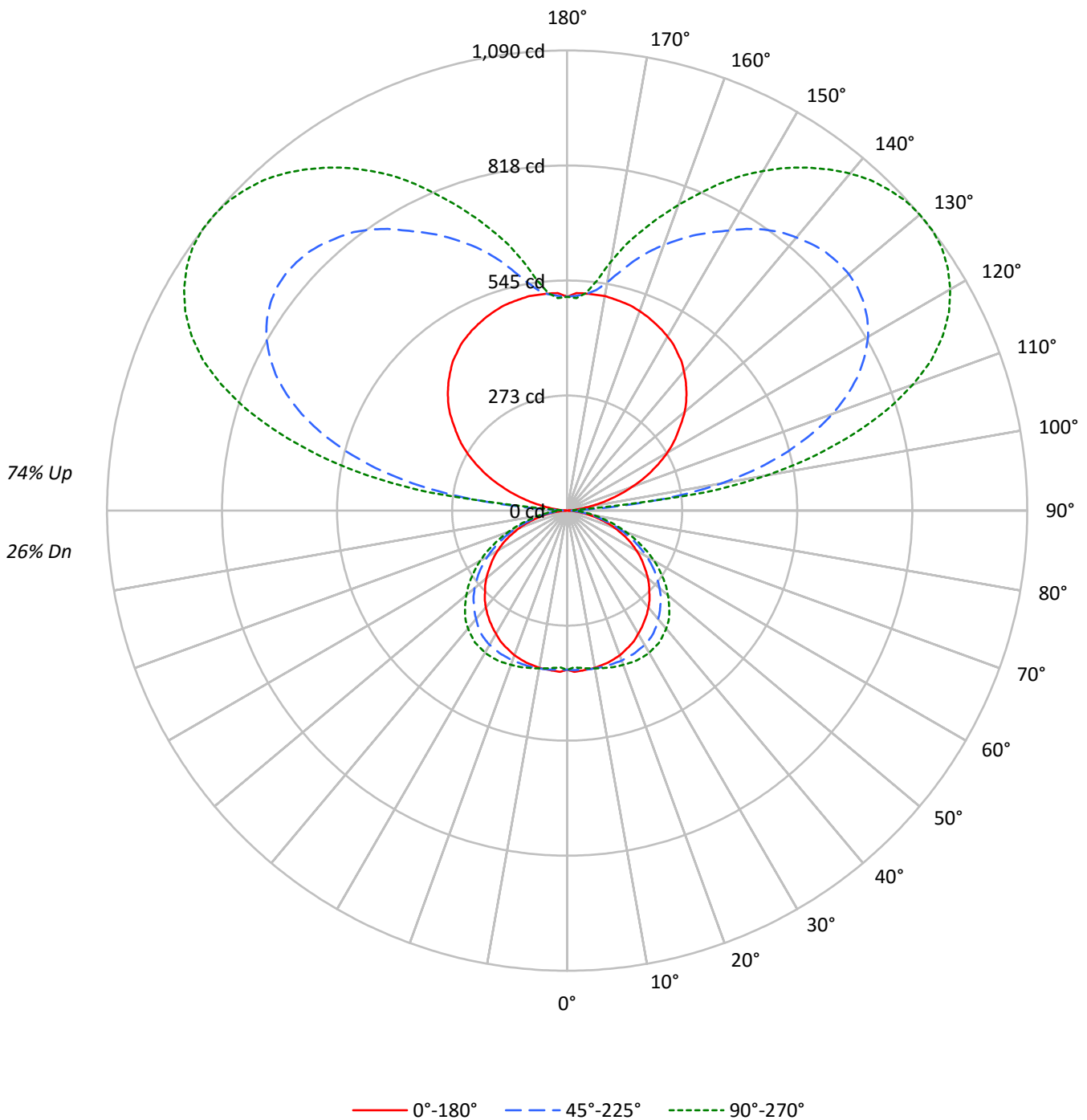
Lumens per Lamp: N/A  
Luminaire Lumens: 4966.4 lumens  
Efficiency: N/A  
Efficacy: 120.3 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')  
CIE Type: Semi-Indirect

Input Watts (W): 41.3  
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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CATALOG NUMBER: I3-CL-60L940-1D-UNV-STD-W-4

### 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	101	101	101	101	91	91	91	91	70	70	70	51	51	51	34	34	34	26
1	92	88	84	81	82	79	75	73	61	59	57	45	43	42	30	29	28	22
2	84	77	71	65	74	68	63	59	53	50	47	39	37	35	26	25	24	18
3	76	67	60	54	68	60	54	49	47	42	39	34	32	29	23	21	20	15
4	70	59	51	45	62	53	46	41	41	37	33	30	27	25	20	18	17	13
5	64	52	44	39	56	47	40	35	37	32	28	27	24	21	18	16	15	11
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	13	9
7	54	42	34	29	48	38	31	26	30	25	21	22	19	16	15	13	11	8
8	50	38	30	25	44	34	27	23	27	22	18	20	17	14	14	11	10	7
9	46	34	27	22	41	31	25	20	24	20	16	18	15	13	12	10	9	6
10	43	31	24	20	38	28	22	18	22	18	15	17	13	11	11	9	8	6

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2072	2072	2072
5°	2094	2039	2006
10°	2095	2023	2001
15°	2098	2016	2011
20°	2102	2017	2029
25°	2098	2019	2055
30°	2086	2022	2070
35°	2081	2011	2072
40°	2073	1968	2046
45°	2053	1921	1995
50°	2034	1857	1906
55°	1992	1764	1796
60°	1943	1639	1658
65°	1864	1472	1470
70°	1731	1254	1244
75°	1494	997	999
80°	1160	709	732
85°	683	439	490



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.1	0.7
10°-20°	107.1	2.2
20°-30°	171.8	3.5
30°-40°	219.7	4.4
40°-50°	239.5	4.8
50°-60°	224.4	4.5
60°-70°	174.1	3.5
70°-80°	99.8	2.0
80°-90°	31.9	0.6
90°-100°	128.1	2.6
100°-110°	497.9	10.0
110°-120°	677.9	13.6
120°-130°	703.7	14.2
130°-140°	624.2	12.6
140°-150°	484.3	9.8
150°-160°	323.2	6.5
160°-170°	172.3	3.5
170°-180°	50.4	1.0
0°-30°	314.9	6.3
0°-40°	534.6	10.8
0°-60°	998.6	20.1
0°-90°	1304.4	26.3
90°-120°	1303.9	26.3
90°-150°	3116.1	62.7
90°-180°	3662.0	73.7
0°-180°	4966.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	377	377	377	377	377	
5°	381	377	378	377	374	36
15°	373	372	380	385	385	105
25°	353	356	374	388	392	163
35°	319	326	356	374	381	200
45°	275	287	313	333	342	213
55°	220	233	254	271	277	197
65°	156	163	178	190	194	154
75°	82	86	94	103	106	87
85°	16	19	28	36	37	19
90°	1	4	9	13	16	2
95°	16	91	124	25	24	21
105°	106	319	541	643	704	113
115°	220	493	762	896	982	217
125°	319	581	858	1008	1084	286
135°	400	612	866	1016	1076	308
145°	456	612	812	944	992	286
155°	490	579	720	817	854	227
165°	511	532	612	670	687	144
175°	516	513	514	517	517	49
180°	506	506	506	506	506	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	376.9	376.9	376.9	376.9	376.9	376.9	376.9	376.9	376.9	376.9	376.9
2.5°	382.3	380.9	380.9	378.2	378.2	376.9	376.9	376.9	376.9	376.9	378.2
5°	380.9	380.9	379.5	378.2	378.2	376.9	376.9	376.9	376.9	376.9	378.2
7.5°	379.5	379.5	378.2	376.9	376.9	376.9	376.9	376.9	376.9	376.9	379.5
10°	378.2	378.2	376.9	375.5	375.5	375.5	375.5	376.9	376.9	376.9	379.5
12.5°	375.5	374.2	374.2	372.9	372.9	372.9	374.2	374.2	375.5	376.9	379.5
15°	372.9	372.9	371.6	370.2	371.6	371.6	371.6	372.9	374.2	375.5	379.5
17.5°	368.8	368.8	367.5	367.5	367.5	368.8	368.8	370.2	372.9	375.5	378.2
20°	364.9	363.5	363.5	363.5	364.9	364.9	366.2	368.8	370.2	374.2	378.2
22.5°	358.1	359.5	358.1	358.1	359.5	360.9	362.2	364.9	367.5	371.6	375.5
25°	352.8	352.8	352.8	352.8	355.5	355.5	358.1	360.9	364.9	368.8	374.2
27.5°	346.1	346.1	346.1	347.5	348.8	350.1	351.5	355.5	359.5	364.9	370.2
30°	336.8	336.8	336.8	336.8	340.7	342.2	344.8	350.1	354.2	360.9	367.5
32.5°	328.7	328.7	328.7	330.1	332.8	334.1	336.8	343.5	348.8	355.5	362.2
35°	319.4	319.4	320.7	320.7	324.8	326.1	328.7	334.1	339.4	347.5	355.5
37.5°	310.0	310.0	311.4	312.8	315.4	318.1	320.7	326.1	331.5	338.1	346.1
40°	299.3	299.3	300.7	302.1	306.0	308.7	311.4	316.7	322.1	328.7	335.5
42.5°	288.7	288.7	290.0	291.3	295.4	298.0	300.7	307.4	312.8	319.4	324.8
45°	275.3	276.6	278.0	280.6	284.7	287.3	290.0	295.4	302.1	307.4	312.8
47.5°	263.3	264.6	266.0	268.6	272.7	275.3	278.0	283.4	288.7	294.0	300.7
50°	249.9	251.2	252.6	255.3	259.2	262.0	264.6	269.9	275.3	279.3	286.0
52.5°	235.2	236.6	237.9	240.5	245.9	247.2	249.9	255.3	259.2	264.6	269.9
55°	220.5	221.8	223.2	225.9	229.8	232.6	233.9	239.2	243.3	248.6	254.0
57.5°	205.8	207.2	208.5	211.1	213.9	216.5	217.8	221.8	227.2	231.2	236.6
60°	189.8	191.1	192.4	193.8	197.8	199.1	200.4	204.5	208.5	213.9	217.8
62.5°	173.8	173.8	175.1	176.4	180.4	181.7	183.1	185.8	191.1	193.8	197.8
65°	156.4	156.4	157.7	159.0	161.7	163.0	164.4	167.1	171.0	173.8	177.7
67.5°	137.7	137.7	139.0	140.3	143.0	144.4	144.4	148.3	151.0	153.7	156.4
70°	120.3	120.3	121.6	121.6	122.9	124.3	125.7	128.3	129.6	133.7	135.0
72.5°	101.5	101.5	101.5	101.5	104.3	104.3	105.6	108.3	109.6	112.2	115.0
75°	81.5	81.5	82.8	82.8	84.2	85.6	86.9	88.2	90.9	92.2	93.5
77.5°	64.1	62.8	64.1	65.5	66.8	66.8	68.2	69.5	70.8	73.5	74.9
80°	45.5	45.5	45.5	46.8	48.1	48.1	49.4	50.8	52.1	54.8	56.2
82.5°	29.4	29.4	30.7	30.7	32.1	33.4	33.4	34.8	36.1	38.8	40.1
85°	16.1	16.1	16.1	17.4	18.7	18.7	20.0	21.4	24.0	25.4	28.1
87.5°	5.4	5.4	6.7	8.0	9.4	9.4	10.7	12.0	13.3	16.1	17.4
90°	1.3	1.3	1.3	2.6	2.6	4.0	4.0	5.4	6.7	8.0	9.4
92.5°	5.4	9.4	14.7	21.4	20.0	21.4	14.7	9.4	9.4	9.4	10.7
95°	16.1	24.0	38.8	61.5	80.2	90.9	100.2	109.6	128.3	129.6	124.3
97.5°	32.1	44.1	70.8	100.2	133.7	151.0	164.4	192.4	221.8	240.5	263.3
100°	53.4	70.8	105.6	145.7	184.5	207.2	228.5	268.6	304.7	336.8	371.6
102.5°	78.9	98.9	141.6	191.1	239.2	264.6	287.3	334.1	383.6	426.3	463.8
105°	105.6	128.3	179.1	235.2	290.0	319.4	347.5	398.2	450.4	497.1	541.3
107.5°	135.0	159.0	213.9	276.6	338.1	371.6	402.3	457.0	511.9	562.6	609.4
110°	163.0	189.8	247.2	315.4	384.9	418.3	449.0	509.2	566.6	620.1	669.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	192.4	220.5	278.0	352.8	423.7	458.4	490.5	554.6	614.7	669.6	719.0
115°	220.5	247.2	307.4	384.9	457.0	493.2	527.9	593.4	656.2	711.0	761.8
117.5°	247.2	272.7	334.1	411.7	486.4	522.6	557.3	625.4	688.3	745.7	795.1
120°	274.0	296.7	363.5	434.3	510.6	546.6	582.7	650.9	715.0	772.4	823.2
122.5°	298.0	319.4	384.9	454.4	529.3	566.6	601.4	670.9	736.4	793.8	843.3
125°	319.4	339.4	404.9	470.5	545.3	581.4	617.4	685.6	751.1	807.2	858.0
127.5°	340.7	360.9	419.6	486.4	555.9	593.4	628.2	696.2	760.4	817.9	867.4
130°	363.5	378.2	434.3	501.2	566.6	601.4	637.4	703.0	765.7	821.9	871.3
132.5°	382.3	395.6	449.0	513.2	574.7	608.1	640.2	705.6	768.5	821.9	870.0
135°	399.6	410.3	459.8	523.9	581.4	612.1	642.8	704.3	765.7	819.2	866.0
137.5°	415.6	426.3	469.0	531.9	586.7	613.4	642.8	700.3	759.1	812.5	856.7
140°	430.4	438.3	477.1	535.9	589.4	614.7	640.2	693.6	748.4	800.5	844.6
142.5°	445.0	451.7	483.8	538.5	590.7	614.7	638.9	685.6	736.4	787.2	831.3
145°	455.7	462.4	489.1	540.0	589.4	612.1	633.5	677.6	723.0	769.8	812.5
147.5°	467.7	473.1	494.5	537.2	585.3	606.7	626.8	666.8	708.3	751.1	791.2
150°	475.8	481.1	497.1	534.6	578.7	598.8	618.8	656.2	693.6	731.0	765.7
152.5°	483.8	487.8	501.2	530.6	570.7	589.4	608.1	644.1	678.9	712.3	743.0
155°	490.5	494.5	503.8	527.9	561.3	578.7	596.0	630.8	662.9	692.3	720.4
157.5°	497.1	499.9	506.5	523.9	550.6	566.6	582.7	613.4	642.8	672.2	694.9
160°	502.5	503.8	509.2	522.6	541.3	553.3	567.9	596.0	622.8	648.2	669.6
162.5°	507.8	507.8	511.9	519.9	533.2	541.3	552.0	576.0	600.1	622.8	642.8
165°	510.6	510.6	513.2	518.5	526.5	531.9	538.5	554.6	573.3	593.4	612.1
167.5°	513.2	513.2	514.5	517.2	522.6	525.2	527.9	538.5	550.6	565.3	580.0
170°	515.8	514.5	514.5	517.2	518.5	519.9	521.2	526.5	531.9	541.3	549.3
172.5°	515.8	514.5	514.5	515.8	515.8	515.8	515.8	517.2	518.5	523.9	526.5
175°	515.8	514.5	514.5	514.5	514.5	513.2	513.2	513.2	513.2	513.2	514.5
177.5°	515.8	514.5	513.2	513.2	511.9	511.9	510.6	510.6	509.2	509.2	509.2
180°	506.5	506.5	506.5	506.5	506.5	506.5	506.5	506.5	506.5	506.5	506.5



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	376.9	376.9	376.9	376.9	376.9	376.9	376.9	376.9	376.9	376.9
2.5°	378.2	378.2	376.9	376.9	375.5	375.5	374.2	372.9	371.6	371.6
5°	379.5	378.2	376.9	376.9	376.9	375.5	375.5	375.5	374.2	374.2
7.5°	379.5	379.5	379.5	378.2	378.2	378.2	378.2	378.2	376.9	376.9
10°	380.9	380.9	380.9	380.9	380.9	380.9	380.9	379.5	379.5	379.5
12.5°	380.9	380.9	380.9	382.3	382.3	382.3	382.3	382.3	382.3	382.3
15°	382.3	382.3	383.6	383.6	384.9	384.9	386.2	386.2	386.2	384.9
17.5°	380.9	382.3	383.6	384.9	386.2	386.2	387.5	387.5	387.5	387.5
20°	380.9	383.6	384.9	386.2	387.5	387.5	388.9	390.2	390.2	388.9
22.5°	379.5	382.3	383.6	386.2	387.5	387.5	390.2	390.2	390.2	390.2
25°	378.2	380.9	383.6	386.2	387.5	387.5	390.2	390.2	391.6	391.6
27.5°	375.5	378.2	382.3	384.9	386.2	387.5	388.9	390.2	390.2	390.2
30°	371.6	375.5	379.5	382.3	383.6	384.9	386.2	387.5	388.9	388.9
32.5°	366.2	370.2	374.2	378.2	379.5	380.9	383.6	384.9	384.9	384.9
35°	360.9	364.9	368.8	372.9	374.2	375.5	378.2	379.5	380.9	380.9
37.5°	352.8	356.8	360.9	364.9	366.2	368.8	371.6	372.9	372.9	372.9
40°	340.7	347.5	352.8	356.8	358.1	360.9	362.2	364.9	364.9	364.9
42.5°	330.1	335.5	339.4	344.8	346.1	350.1	352.8	354.2	355.5	355.5
45°	318.1	323.4	327.4	331.5	332.8	335.5	338.1	339.4	340.7	342.2
47.5°	306.0	310.0	314.1	318.1	319.4	322.1	324.8	326.1	327.4	327.4
50°	291.3	295.4	299.3	303.4	304.7	307.4	308.7	310.0	311.4	311.4
52.5°	275.3	279.3	283.4	287.3	288.7	290.0	292.7	294.0	295.4	295.4
55°	259.2	263.3	266.0	269.9	271.3	272.7	274.0	276.6	278.0	276.6
57.5°	240.5	244.6	247.2	251.2	252.6	254.0	255.3	256.6	257.9	257.9
60°	220.5	224.5	228.5	231.2	232.6	233.9	235.2	236.6	237.9	237.9
62.5°	200.4	204.5	207.2	211.1	212.4	212.4	213.9	215.2	216.5	216.5
65°	180.4	184.5	185.8	189.8	189.8	191.1	192.4	193.8	193.8	193.8
67.5°	159.0	163.0	164.4	167.1	167.1	168.4	169.7	171.0	171.0	171.0
70°	139.0	140.3	143.0	144.4	145.7	145.7	147.0	148.3	149.7	148.3
72.5°	117.6	118.9	121.6	122.9	122.9	124.3	124.3	125.7	127.0	127.0
75°	96.2	98.9	100.2	101.5	102.9	102.9	104.3	105.6	105.6	105.6
77.5°	76.2	78.9	80.2	81.5	82.8	82.8	84.2	84.2	85.6	84.2
80°	58.8	60.1	61.5	62.8	64.1	64.1	65.5	66.8	66.8	66.8
82.5°	42.7	44.1	46.8	48.1	48.1	48.1	50.8	50.8	52.1	50.8
85°	29.4	30.7	33.4	34.8	36.1	36.1	36.1	37.4	38.8	37.4
87.5°	18.7	21.4	22.7	24.0	24.0	24.0	25.4	26.8	26.8	26.8
90°	10.7	10.7	12.0	13.3	13.3	14.7	14.7	16.1	16.1	16.1
92.5°	10.7	12.0	12.0	12.0	13.3	13.3	13.3	14.7	14.7	14.7
95°	90.9	65.5	37.4	29.4	25.4	25.4	24.0	25.4	24.0	24.0
97.5°	275.3	298.0	308.7	323.4	331.5	330.1	324.8	330.1	326.1	330.1
100°	391.6	413.0	429.0	433.0	441.1	445.0	459.8	470.5	475.8	482.5
102.5°	486.4	511.9	530.6	541.3	549.3	554.6	572.0	588.0	596.0	601.4
105°	573.3	600.1	622.8	633.5	642.8	648.2	666.8	685.6	697.7	704.3
107.5°	642.8	673.6	697.7	713.6	723.0	732.4	755.1	773.8	788.5	795.1
110°	705.6	736.4	761.8	780.5	791.2	800.5	826.0	847.3	863.3	871.3





TEST NUMBER: P395032

CATALOG NUMBER: I3-CL-60L940-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	757.8	791.2	816.6	836.6	847.3	860.7	884.8	908.8	924.9	934.2
115°	800.5	835.3	862.0	883.4	895.5	907.5	935.5	959.6	975.6	982.2
117.5°	836.6	871.3	899.4	920.8	934.2	947.5	975.6	997.0	1014.4	1019.7
120°	866.0	900.7	928.8	952.8	966.3	978.3	1005.0	1027.7	1043.8	1047.8
122.5°	886.1	922.1	951.5	978.3	990.3	1002.3	1027.7	1050.4	1065.2	1069.1
125°	900.7	938.2	967.6	995.7	1007.7	1019.7	1043.8	1066.5	1078.5	1083.9
127.5°	910.1	947.5	979.6	1006.4	1019.7	1030.4	1054.5	1074.5	1086.5	1090.5
130°	912.8	951.5	983.7	1011.7	1023.8	1034.4	1057.1	1077.2	1087.9	1090.5
132.5°	912.8	950.2	983.7	1010.3	1022.3	1033.1	1054.5	1073.2	1083.9	1086.5
135°	907.5	943.5	977.0	1003.7	1015.7	1026.4	1047.8	1063.8	1074.5	1075.8
137.5°	898.1	932.8	964.9	991.6	1003.7	1014.4	1033.1	1050.4	1059.8	1062.4
140°	886.1	918.1	950.2	975.6	987.6	997.0	1015.7	1030.4	1039.7	1042.4
142.5°	870.0	902.1	931.5	956.9	966.3	977.0	992.9	1007.7	1015.7	1018.4
145°	852.6	883.4	910.1	932.8	943.5	952.8	967.6	980.9	989.0	991.6
147.5°	829.9	860.7	886.1	907.5	916.8	926.2	939.5	951.5	959.6	962.2
150°	801.9	829.9	856.7	876.7	886.1	895.5	908.8	919.5	927.5	928.8
152.5°	773.8	800.5	823.2	843.3	852.6	862.0	874.0	884.8	894.0	894.0
155°	747.1	769.8	791.2	808.6	816.6	824.5	836.6	846.0	853.9	853.9
157.5°	719.0	740.4	757.8	773.8	780.5	787.2	797.9	805.9	812.5	811.2
160°	692.3	708.3	724.3	737.7	744.4	749.8	757.8	764.4	771.1	769.8
162.5°	662.9	677.6	690.9	700.3	705.6	709.7	717.7	724.3	728.4	728.4
165°	629.5	642.8	654.8	664.2	669.6	672.2	678.9	682.9	687.0	687.0
167.5°	594.7	605.4	616.1	624.1	629.5	632.1	638.9	641.5	646.8	645.5
170°	560.0	567.9	576.0	582.7	585.3	588.0	593.4	596.0	598.8	598.8
172.5°	531.9	534.6	538.5	543.9	543.9	545.3	547.9	549.3	550.6	550.6
175°	515.8	517.2	517.2	517.2	517.2	517.2	518.5	517.2	518.5	517.2
177.5°	509.2	509.2	507.8	507.8	506.5	507.8	506.5	505.2	505.2	503.8
180°	506.5	506.5	506.5	506.5	506.5	506.5	506.5	506.5	506.5	506.5

(END OF REPORT)