

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: P123865

Luminaire Tested: **ELG406940WH (35° BEAM - 35° TILT)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P123865
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14000)
Test Lab: INNOVATION CENTER-P1
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: ELG406940WH (35° BEAM - 35° TILT)
Description: HALO 4 INCH RECESSED FIXTURE WITH ROUND WHITE TRIM,
Light Source: (1)SURFACE MOUNT LED, 4000K CCT, 90CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 850.0 lumens
Efficiency: N/A
Efficacy: 65.4 lumens/watt
Spacing Criteria (0/90/45): 2.57 / 0.75 / 1.48
Luminous Opening: Vertical Cylinder (Dia: 0.17' x H: 0.08')
CIE Type: Direct

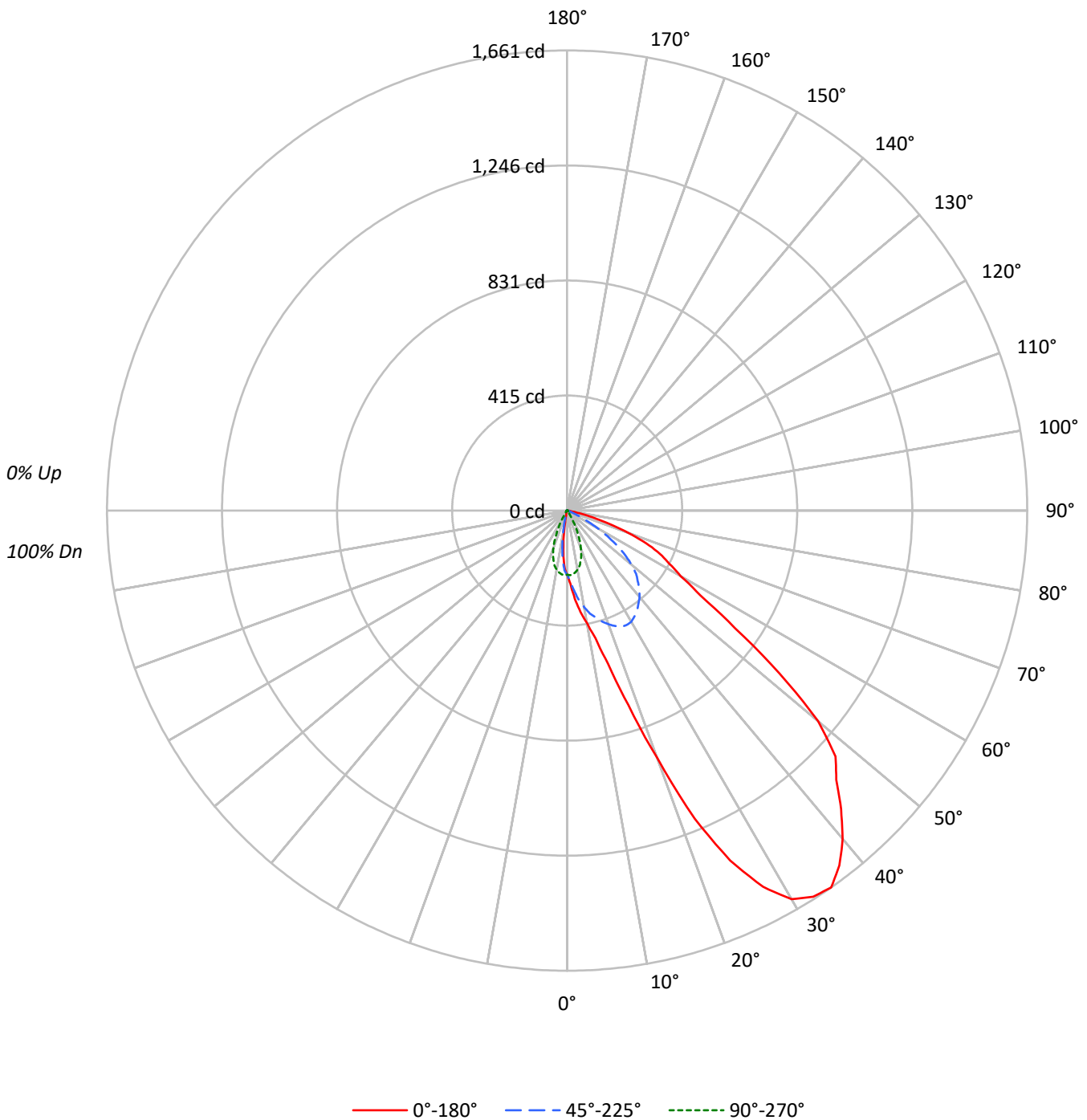
Input Watts (W): 13
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P123865

CATALOG NUMBER: ELG406940WH (35° BEAM - 35° TILT)

Luminous Intensity Polar Plot





TEST NUMBER: P123865

CATALOG NUMBER: ELG406940WH (35° BEAM - 35° TILT)

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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89				87	
2	102	94	88	83	99	93	87	82	89	85	81	86	82	79	83	80	77				75	
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66				64	
4	86	75	67	60	83	73	66	60	71	64	59	69	63	58	66	62	58				56	
5	79	67	58	52	77	66	58	52	64	57	51	62	56	51	60	54	50				48	
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	48	44				42	
7	67	54	46	40	66	53	45	40	52	45	40	51	44	39	49	43	39				37	
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35				33	
9	58	45	37	32	57	44	37	31	43	36	31	42	36	31	41	35	31				29	
10	54	41	34	28	53	41	33	28	40	33	28	39	32	28	38	32	28				26	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	113971	113971	113971
5°	149795	108370	72622
10°	185757	97518	19053
15°	250160	82339	4756
20°	405769	61852	2558
25°	584867	37570	504
30°	674665	15622	1000
35°	691806	5041	0
40°	649399	3065	0
45°	585782	1535	0
50°	515741	524	0
55°	333497	1622	0
60°	222492	563	0
65°	182675	592	0
70°	123785	0	630
75°	53249	0	0
80°	8936	0	0
85°	4993	0	0



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CATALOG NUMBER: ELG406940WH (35° BEAM - 35° TILT)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.9	2.6
10°-20°	66.3	7.8
20°-30°	147.2	17.3
30°-40°	210.9	24.8
40°-50°	196.7	23.1
50°-60°	122.8	14.5
60°-70°	64.1	7.5
70°-80°	17.0	2.0
80°-90°	2.3	0.3
90°-100°	0.8	0.1
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°-30°	235.4	27.7
0°-40°	446.3	52.5
0°-60°	765.8	90.1
0°-90°	849.1	99.9
90°-120°	0.8	0.1
90°-150°	0.8	0.1
90°-180°	1.0	0.1
0°-180°	850.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	231	231	231	231	231	
5°	319	290	231	180	155	33
15°	573	399	189	22	11	182
25°	1393	463	90	6	1	635
35°	1661	440	12	0	0	1022
45°	1374	360	4	0	0	1064
55°	740	220	4	0	0	690
65°	370	45	1	0	0	359
75°	94	6	0	0	0	111
85°	7	2	0	0	0	8
90°	5	2	0	1	0	2
95°	1	1	1	1	1	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P123865

CATALOG NUMBER: ELG406940WH (35° BEAM - 35° TILT)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	231.0	231.0	231.0	231.0	231.0	231.0	231.0	231.0	231.0	231.0	231.0
2.5°	263.7	262.5	262.5	262.5	260.0	260.0	260.0	258.8	256.4	254.0	251.6
5°	319.3	318.1	316.9	314.5	310.8	310.8	306.0	301.2	298.7	290.3	285.4
7.5°	368.9	366.5	365.3	361.6	358.0	354.4	347.1	343.5	332.6	325.4	315.7
10°	412.4	411.2	407.6	404.0	400.3	394.3	385.8	376.2	366.5	354.4	342.3
12.5°	471.7	469.3	464.4	456.0	443.9	433.0	420.9	407.6	393.1	381.0	362.8
15°	573.3	569.7	555.2	539.4	512.8	489.8	464.4	440.3	419.7	399.1	382.2
17.5°	736.6	725.7	701.5	666.4	620.5	573.3	524.9	483.8	447.5	419.7	395.5
20°	951.9	938.6	895.0	835.8	759.6	680.9	602.3	531.0	479.0	436.6	405.2
22.5°	1203.4	1181.7	1126.0	1041.4	927.7	806.7	690.6	587.8	508.0	451.1	412.4
25°	1393.3	1378.8	1324.4	1237.3	1097.0	934.9	777.7	639.8	533.4	463.2	414.9
27.5°	1531.2	1510.7	1455.0	1370.3	1233.7	1048.6	850.3	680.9	552.7	465.7	414.9
30°	1619.5	1605.0	1548.1	1457.4	1319.6	1127.2	899.9	702.7	560.0	463.2	411.2
32.5°	1652.2	1638.9	1592.9	1501.0	1358.3	1164.7	915.6	700.3	544.3	452.3	400.3
35°	1660.6	1637.6	1591.7	1502.2	1358.3	1159.9	899.9	678.5	527.3	440.3	389.5
37.5°	1614.7	1597.7	1557.8	1465.9	1326.8	1116.4	855.1	638.6	499.5	423.3	374.9
40°	1546.9	1537.3	1493.7	1406.6	1267.5	1041.4	785.0	584.2	470.5	406.4	355.6
42.5°	1463.5	1451.4	1412.7	1332.9	1176.8	932.5	696.7	531.0	440.3	385.8	335.0
45°	1374.0	1364.3	1325.6	1236.1	1042.6	805.5	603.5	479.0	411.2	360.4	303.6
47.5°	1313.5	1297.8	1232.5	1093.4	886.6	678.5	531.0	442.7	389.5	337.4	273.3
50°	1181.7	1150.2	1054.7	903.5	718.4	567.2	470.5	410.0	362.8	303.6	238.3
52.5°	966.4	931.3	838.2	713.6	584.2	488.6	426.9	379.8	329.0	263.7	193.5
55°	740.2	714.8	647.1	567.2	492.3	435.4	390.7	345.9	290.3	220.1	147.6
57.5°	569.7	558.8	521.3	479.0	436.6	397.9	356.8	307.2	244.3	171.7	107.6
60°	474.1	466.9	446.3	425.7	394.3	359.2	315.7	258.8	194.7	124.6	66.5
62.5°	416.1	411.2	396.7	379.8	350.8	314.5	263.7	202.0	139.1	79.8	32.7
65°	370.1	365.3	354.4	338.7	306.0	262.5	208.0	150.0	95.5	44.8	18.1
67.5°	309.6	308.4	298.7	279.4	243.1	199.6	147.6	96.8	53.2	19.4	9.7
70°	235.9	234.6	227.4	209.2	177.8	139.1	99.2	54.4	23.0	10.9	7.3
72.5°	158.4	156.0	152.4	139.1	116.1	87.1	55.6	24.2	10.9	9.7	8.5
75°	94.3	93.1	91.9	83.5	70.2	46.0	21.8	10.9	9.7	6.0	2.4
77.5°	44.8	46.0	46.0	43.5	32.7	16.9	12.1	9.7	7.3	6.0	3.6
80°	14.5	15.7	15.7	14.5	13.3	10.9	9.7	6.0	4.8	3.6	4.8
82.5°	10.9	10.9	10.9	9.7	9.7	7.3	7.3	6.0	4.8	4.8	2.4
85°	7.3	7.3	7.3	6.0	4.8	6.0	4.8	3.6	3.6	2.4	2.4
87.5°	6.0	6.0	3.6	4.8	4.8	3.6	3.6	3.6	2.4	2.4	1.2
90°	4.8	3.6	4.8	3.6	4.8	3.6	3.6	2.4	4.8	2.4	1.2
92.5°	1.2	2.4	2.4	1.2	3.6	2.4	3.6	1.2	1.2	1.2	2.4
95°	1.2	2.4	2.4	1.2	2.4	1.2	1.2	1.2	1.2	1.2	1.2
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P123865

CATALOG NUMBER: ELG406940WH (35° BEAM - 35° TILT)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P123865

CATALOG NUMBER: ELG406940WH (35° BEAM - 35° TILT)

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	231.0	231.0	231.0	231.0	231.0	231.0	231.0	231.0	231.0	231.0	231.0
2.5°	249.2	247.9	245.5	244.3	241.9	239.5	235.9	233.4	232.2	231.0	228.6
5°	280.6	274.6	264.9	260.0	255.2	246.7	237.1	231.0	227.4	218.9	214.1
7.5°	304.8	295.1	283.0	270.9	260.0	246.7	233.4	225.0	212.9	204.4	193.5
10°	329.0	313.3	297.5	279.4	263.7	245.5	229.8	216.5	202.0	187.5	171.7
12.5°	344.7	327.8	308.4	285.4	263.7	240.7	222.5	205.6	185.1	164.5	147.6
15°	360.4	337.4	313.3	286.6	260.0	233.4	211.7	188.7	163.3	139.1	114.9
17.5°	371.3	344.7	315.7	286.6	254.0	225.0	198.4	169.3	139.1	110.1	82.2
20°	377.4	347.1	314.5	278.2	243.1	209.2	180.2	145.1	108.9	78.6	52.0
22.5°	378.6	345.9	308.4	268.5	231.0	193.5	157.2	119.7	81.0	50.8	27.8
25°	384.6	347.1	302.4	257.6	217.7	175.4	135.5	89.5	55.6	29.0	18.1
27.5°	374.9	336.2	287.9	241.9	197.1	151.2	105.2	62.9	30.2	14.5	10.9
30°	372.5	325.4	273.3	225.0	174.2	124.6	76.2	37.5	15.7	10.9	8.5
32.5°	355.6	308.4	254.0	199.6	145.1	91.9	48.4	18.1	9.7	7.3	7.3
35°	342.3	289.1	229.8	171.7	117.3	64.1	26.6	12.1	8.5	6.0	6.0
37.5°	322.9	264.9	203.2	142.7	87.1	39.9	15.7	9.7	7.3	4.8	3.6
40°	302.4	238.3	173.0	112.5	58.1	19.4	9.7	7.3	8.5	3.6	2.4
42.5°	270.9	205.6	140.3	78.6	31.4	9.7	8.5	4.8	3.6	2.4	2.4
45°	235.9	166.9	101.6	46.0	12.1	6.0	2.4	3.6	0.0	0.0	0.0
47.5°	203.2	134.3	75.0	27.8	12.1	7.3	6.0	4.8	3.6	2.4	3.6
50°	164.5	95.5	41.1	12.1	8.5	4.8	3.6	1.2	3.6	1.2	0.0
52.5°	120.9	65.3	19.4	9.7	7.3	3.6	3.6	1.2	1.2	2.4	1.2
55°	83.5	35.1	10.9	8.5	6.0	3.6	2.4	3.6	1.2	0.0	0.0
57.5°	50.8	15.7	9.7	8.5	4.8	6.0	2.4	1.2	2.4	1.2	1.2
60°	24.2	12.1	8.5	6.0	3.6	2.4	1.2	1.2	1.2	1.2	1.2
62.5°	12.1	7.3	6.0	3.6	2.4	0.0	1.2	1.2	0.0	0.0	1.2
65°	9.7	7.3	6.0	2.4	3.6	2.4	1.2	1.2	0.0	0.0	0.0
67.5°	6.0	6.0	3.6	1.2	1.2	1.2	0.0	1.2	0.0	0.0	0.0
70°	4.8	4.8	2.4	2.4	1.2	1.2	0.0	0.0	1.2	0.0	1.2
72.5°	4.8	3.6	1.2	2.4	1.2	1.2	0.0	0.0	0.0	1.2	0.0
75°	2.4	2.4	2.4	1.2	0.0	1.2	0.0	0.0	0.0	0.0	0.0
77.5°	2.4	2.4	2.4	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
80°	3.6	3.6	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2
82.5°	2.4	2.4	2.4	2.4	2.4	1.2	1.2	0.0	0.0	1.2	1.2
85°	1.2	2.4	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2	0.0	0.0	1.2
90°	1.2	2.4	1.2	1.2	2.4	0.0	0.0	0.0	0.0	1.2	1.2
92.5°	0.0	2.4	0.0	1.2	1.2	1.2	0.0	0.0	1.2	0.0	0.0
95°	0.0	2.4	1.2	1.2	2.4	1.2	1.2	1.2	1.2	1.2	1.2
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	1.2	0.0	1.2	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P123865

CATALOG NUMBER: ELG406940WH (35° BEAM - 35° TILT)

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P123865

CATALOG NUMBER: ELG406940WH (35° BEAM - 35° TILT)

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	231.0	231.0	231.0	231.0	231.0	231.0	231.0	231.0	231.0	231.0	231.0
2.5°	226.2	223.8	220.1	220.1	218.9	216.5	215.3	214.1	211.7	208.0	209.2
5°	206.8	200.8	194.7	188.7	183.8	180.2	174.2	168.1	164.5	165.7	162.1
7.5°	183.8	173.0	163.3	152.4	142.7	134.3	127.0	119.7	111.3	107.6	102.8
10°	156.0	139.1	125.8	113.7	99.2	87.1	78.6	70.2	60.5	56.8	50.8
12.5°	124.6	105.2	89.5	73.8	58.1	47.2	38.7	30.2	24.2	20.6	19.4
15°	90.7	68.9	52.0	37.5	25.4	21.8	14.5	14.5	13.3	12.1	12.1
17.5°	60.5	38.7	26.6	16.9	14.5	12.1	12.1	12.1	10.9	10.9	8.5
20°	30.2	18.1	13.3	10.9	8.5	8.5	8.5	7.3	6.0	4.8	4.8
22.5°	19.4	15.7	9.7	7.3	10.9	7.3	6.0	4.8	3.6	3.6	2.4
25°	12.1	9.7	8.5	7.3	4.8	6.0	4.8	3.6	2.4	3.6	2.4
27.5°	8.5	7.3	6.0	3.6	2.4	3.6	1.2	2.4	1.2	1.2	1.2
30°	6.0	4.8	8.5	2.4	2.4	4.8	3.6	2.4	0.0	6.0	2.4
32.5°	3.6	1.2	1.2	2.4	0.0	0.0	0.0	1.2	0.0	0.0	0.0
35°	3.6	1.2	1.2	0.0	2.4	0.0	1.2	0.0	0.0	0.0	0.0
37.5°	2.4	2.4	1.2	0.0	1.2	0.0	0.0	0.0	1.2	0.0	0.0
40°	1.2	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.2	1.2	0.0	2.4	0.0	0.0	0.0	2.4	0.0	0.0	0.0
50°	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	1.2	0.0	0.0	1.2	0.0	0.0	0.0	1.2	1.2	0.0	0.0
55°	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	1.2	0.0	0.0	0.0	1.2	0.0	1.2	0.0	0.0	1.2
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.2	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	1.2	1.2	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	1.2	0.0	1.2	1.2	1.2	1.2	0.0	0.0	0.0	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.2	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	1.2	0.0	1.2	1.2	0.0	0.0	1.2	0.0	0.0
92.5°	1.2	0.0	0.0	1.2	0.0	1.2	0.0	1.2	1.2	1.2	0.0
95°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P123865

CATALOG NUMBER: ELG406940WH (35° BEAM - 35° TILT)

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P123865

CATALOG NUMBER: ELG406940WH (35° BEAM - 35° TILT)

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	231.0	231.0	231.0	231.0
2.5°	206.8	208.0	205.6	206.8
5°	156.0	154.8	156.0	154.8
7.5°	98.0	98.0	95.5	94.3
10°	47.2	46.0	43.5	42.3
12.5°	18.1	18.1	16.9	16.9
15°	12.1	10.9	12.1	10.9
17.5°	8.5	9.7	7.3	9.7
20°	6.0	4.8	4.8	6.0
22.5°	2.4	2.4	3.6	1.2
25°	2.4	2.4	2.4	1.2
27.5°	1.2	1.2	1.2	1.2
30°	0.0	1.2	1.2	2.4
32.5°	0.0	0.0	0.0	0.0
35°	0.0	2.4	0.0	0.0
37.5°	0.0	0.0	1.2	0.0
40°	0.0	0.0	1.2	0.0
42.5°	1.2	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	1.2	0.0	1.2	3.6
50°	0.0	1.2	0.0	0.0
52.5°	1.2	0.0	1.2	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	1.2	1.2	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.0	2.4	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	1.2
72.5°	0.0	0.0	1.2	0.0
75°	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	1.2	0.0
90°	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0
95°	1.2	0.0	1.2	1.2
97.5°	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0



TEST NUMBER: P123865

CATALOG NUMBER: ELG406940WH (35° BEAM - 35° TILT)

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
112.5°	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0

(END OF REPORT)