

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: P256898

Luminaire Tested: **HGL-S-BA-30L930-UNV-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P256898
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1803-682-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: HGL-S-BA-30L930-UNV-8
Description: HUGO 8 FOOT LINEAR LED LUMINAIRE WITH BAFFLE WITH AISLE OPTIC
Light Source: (336) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4480.3 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.77 / 1.65
Luminous Opening: Rectangular w/ Sides (W: 0.23' x L: 8' x H: 0.01')
CIE Type: Direct

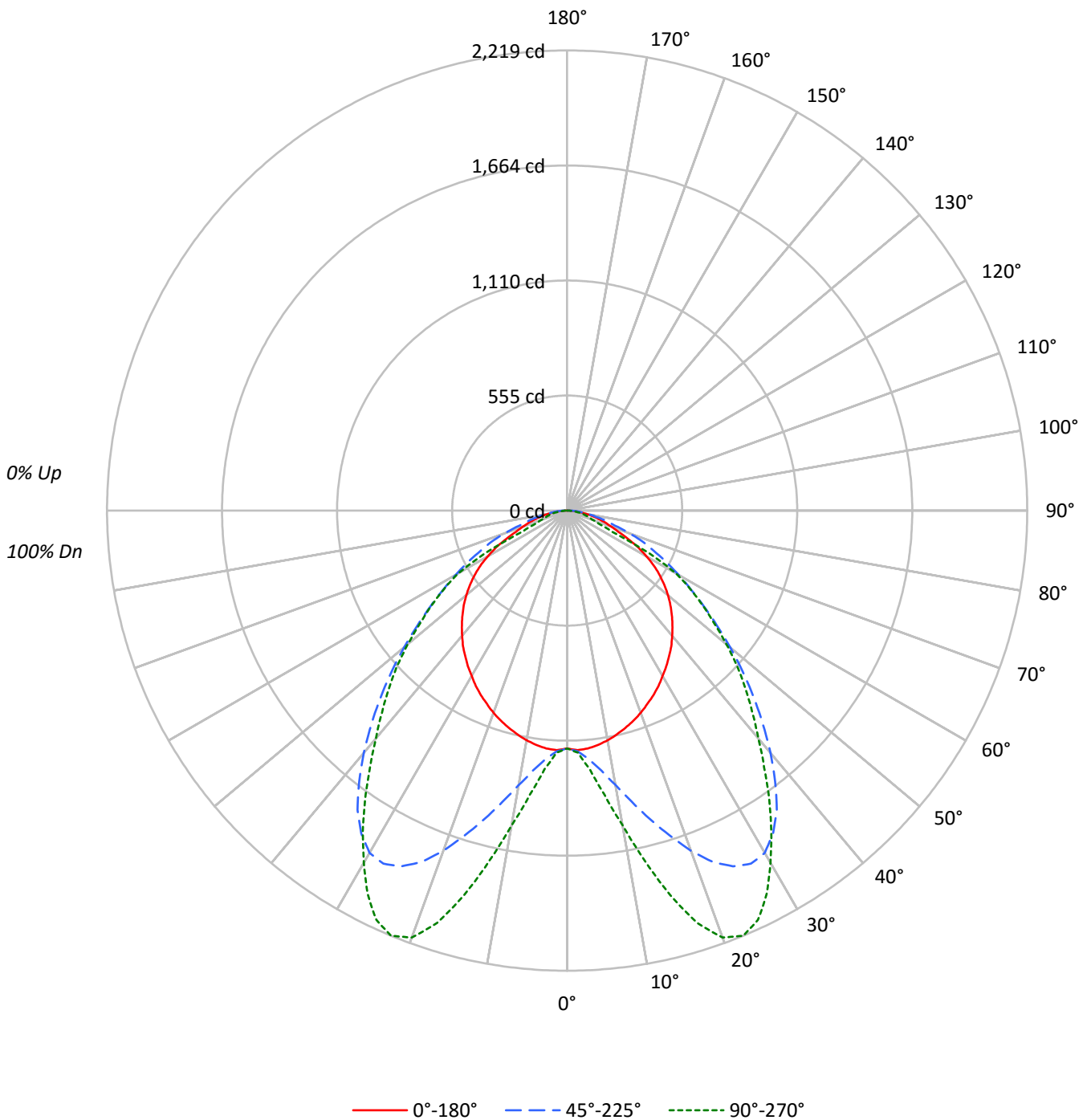
Input Watts (W): 44.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88					86				
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75					73				
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65					63				
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56					54				
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49					47				
6	72	59	51	44	70	58	50	44	57	49	44	55	48	44	53	48	43					41				
7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38					36				
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34					32				
9	58	45	37	31	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°	45°	90°
0°	6734	6734	6734
5°	6787	7065	7354
10°	6704	7968	9124
15°	6592	9274	11534
20°	6482	10779	13474
25°	6363	12084	13827
30°	6237	12688	12967
35°	6139	12359	11811
40°	6034	11391	10614
45°	5923	10231	9685
50°	5787	9032	8706
55°	5572	7878	7696
60°	5194	6919	6632
65°	4502	5995	2965
70°	3871	5056	2049
75°	3549	3925	1853
80°	3189	3192	1621
85°	2650	2783	1106



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.9	2.7
10°-20°	433.7	9.7
20°-30°	785.0	17.5
30°-40°	942.1	21.0
40°-50°	892.5	19.9
50°-60°	699.3	15.6
60°-70°	390.3	8.7
70°-80°	165.4	3.7
80°-90°	51.4	1.1
90°-100°	1.9	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°-30°	1337.6	29.9
0°-40°	2279.7	50.9
0°-60°	3871.4	86.4
0°-90°	4478.5	100.0
90°-120°	1.9	0.0
90°-150°	1.9	0.0
90°-180°	2.0	0.0
0°-180°	4480.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1147	1147	1147	1147	1147	
5°	1152	1156	1202	1242	1252	109
15°	1085	1215	1539	1821	1920	306
25°	983	1291	1893	2124	2178	453
35°	857	1321	1763	1689	1698	536
45°	714	1209	1271	1182	1217	551
55°	545	878	804	779	799	486
65°	325	406	461	371	233	325
75°	157	163	194	137	95	167
85°	40	46	56	43	25	44
90°	0	9	18	12	0	2
95°	0	0	0	0	0	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1147.0	1147.0	1147.0	1147.0	1147.0	1147.0	1147.0	1147.0	1147.0	1147.0	1147.0
2.5°	1156.4	1155.2	1151.7	1147.0	1148.2	1149.3	1149.3	1150.5	1151.7	1155.2	1162.2
5°	1151.7	1149.3	1148.2	1147.0	1152.8	1156.4	1159.9	1166.9	1175.1	1188.0	1202.1
7.5°	1139.9	1139.9	1142.3	1147.0	1159.9	1168.1	1175.1	1192.7	1212.7	1237.3	1264.3
10°	1124.7	1127.0	1134.1	1144.6	1168.1	1181.0	1195.1	1224.4	1258.4	1299.4	1344.0
12.5°	1105.9	1110.6	1122.4	1142.3	1177.5	1197.4	1218.5	1263.1	1313.5	1372.2	1437.8
15°	1084.8	1090.7	1109.5	1138.8	1186.9	1215.0	1244.3	1305.3	1374.5	1453.1	1538.7
17.5°	1062.5	1070.8	1096.6	1137.6	1199.8	1234.9	1272.5	1352.2	1441.4	1536.3	1641.9
20°	1037.9	1049.6	1082.5	1135.3	1211.5	1254.9	1300.6	1400.3	1509.4	1622.0	1745.1
22.5°	1009.8	1025.0	1066.1	1130.6	1223.2	1274.8	1328.8	1444.9	1571.5	1699.4	1833.1
25°	982.8	999.2	1047.3	1124.7	1232.6	1291.2	1353.4	1485.9	1627.8	1762.7	1892.9
27.5°	953.5	972.2	1029.7	1118.8	1239.6	1305.3	1374.5	1519.9	1668.9	1802.6	1919.8
30°	920.6	945.3	1009.8	1109.5	1243.2	1315.9	1390.9	1546.9	1694.7	1812.0	1905.8
32.5°	890.1	917.1	987.5	1098.9	1244.3	1321.7	1401.5	1555.1	1694.7	1790.8	1847.1
35°	857.3	886.6	965.2	1086.0	1239.6	1320.6	1400.3	1552.8	1670.0	1735.7	1762.7
37.5°	824.5	856.1	941.7	1068.4	1229.1	1312.3	1392.1	1529.3	1619.6	1654.8	1647.8
40°	788.1	823.3	911.3	1046.1	1210.3	1291.2	1367.5	1488.3	1545.7	1551.6	1525.8
42.5°	751.8	788.1	880.8	1016.8	1178.6	1256.1	1326.4	1422.6	1449.6	1436.7	1396.8
45°	714.2	751.8	844.4	981.6	1138.8	1209.1	1267.8	1337.0	1337.0	1313.5	1271.3
47.5°	675.5	711.9	805.7	940.6	1087.2	1148.2	1196.2	1237.3	1218.5	1189.2	1147.0
50°	634.5	670.8	762.3	891.3	1020.3	1070.8	1110.6	1125.9	1096.6	1063.7	1026.2
52.5°	591.1	627.4	710.7	829.2	941.7	979.3	1008.6	1007.4	972.2	942.9	910.1
55°	545.3	578.2	653.2	755.3	847.9	878.4	896.0	881.9	849.1	822.1	804.5
57.5°	497.3	524.2	588.7	672.0	741.2	764.7	775.2	756.4	733.0	716.6	707.2
60°	443.3	465.6	511.3	575.8	626.3	642.7	649.7	636.8	628.6	623.9	621.6
62.5°	387.0	397.6	426.9	469.1	511.3	523.1	531.3	533.6	532.4	534.8	540.7
65°	324.9	328.4	337.8	358.9	391.7	405.8	421.0	437.4	446.8	456.2	460.9
67.5°	267.4	268.6	273.3	280.3	293.2	308.4	321.3	346.0	367.1	384.7	396.4
70°	226.3	225.2	226.3	229.9	236.9	242.8	248.6	266.2	288.5	317.8	320.2
72.5°	191.2	190.0	191.2	193.5	195.9	198.2	201.7	208.8	221.7	239.2	242.8
75°	157.2	157.2	157.2	159.5	161.8	163.0	165.4	167.7	172.4	185.3	193.5
77.5°	125.5	124.3	126.7	127.8	129.0	131.4	132.5	134.9	137.2	141.9	147.8
80°	95.0	93.8	95.0	97.3	98.5	100.9	100.9	104.4	105.6	109.1	111.4
82.5°	66.8	65.7	66.8	69.2	69.2	71.5	72.7	75.1	77.4	79.7	82.1
85°	39.9	39.9	41.0	42.2	43.4	45.7	46.9	50.4	52.8	55.1	56.3
87.5°	17.6	17.6	18.8	19.9	22.3	24.6	25.8	28.1	30.5	34.0	34.0
90°	0.0	1.2	3.5	5.9	7.0	9.4	9.4	12.9	14.1	16.4	17.6
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.3	3.5	4.7
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
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



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1147.0	1147.0	1147.0	1147.0	1147.0	1147.0	1147.0	1147.0	1147.0	1147.0
2.5°	1172.8	1165.7	1170.4	1171.6	1172.8	1170.4	1168.1	1170.4	1168.1	1168.1
5°	1219.7	1218.5	1230.2	1238.5	1242.0	1242.0	1249.0	1253.7	1254.9	1252.5
7.5°	1293.6	1300.6	1324.1	1340.5	1349.9	1354.6	1367.5	1374.5	1383.9	1382.7
10°	1390.9	1413.2	1448.4	1471.8	1488.3	1496.5	1515.2	1528.1	1543.4	1542.2
12.5°	1497.6	1538.7	1587.9	1625.5	1650.1	1665.4	1690.0	1713.4	1727.5	1728.7
15°	1618.4	1674.7	1741.6	1789.7	1821.3	1841.3	1875.3	1898.7	1922.2	1919.8
17.5°	1736.9	1804.9	1885.8	1949.2	1978.5	1997.3	2038.3	2062.9	2085.2	2085.2
20°	1842.4	1921.0	2003.1	2061.8	2089.9	2108.7	2143.8	2168.5	2184.9	2190.8
22.5°	1926.9	1999.6	2068.8	2119.2	2136.8	2152.1	2179.0	2199.0	2209.5	2218.9
25°	1973.8	2032.4	2079.3	2114.5	2123.9	2132.1	2147.4	2162.6	2165.0	2177.9
27.5°	1975.0	2018.4	2044.2	2057.1	2058.2	2058.2	2068.8	2074.7	2079.3	2084.0
30°	1932.7	1952.7	1957.4	1958.5	1952.7	1949.2	1956.2	1957.4	1960.9	1960.9
32.5°	1848.3	1853.0	1844.8	1831.9	1828.4	1821.3	1826.0	1823.7	1829.5	1833.1
35°	1740.4	1732.2	1711.1	1701.7	1688.8	1685.3	1688.8	1686.5	1690.0	1698.2
37.5°	1617.3	1599.7	1582.1	1565.7	1556.3	1546.9	1550.4	1553.9	1558.6	1561.0
40°	1490.6	1467.2	1448.4	1432.0	1422.6	1415.5	1421.4	1424.9	1435.5	1435.5
42.5°	1362.8	1337.0	1318.2	1307.7	1300.6	1294.8	1304.1	1306.5	1319.4	1321.7
45°	1236.1	1213.8	1198.6	1188.0	1182.2	1184.5	1193.9	1199.8	1211.5	1217.3
47.5°	1120.0	1101.2	1084.8	1080.1	1080.1	1082.5	1091.9	1097.7	1107.1	1114.1
50°	1006.2	992.2	981.6	975.8	976.9	980.4	988.7	993.3	1002.7	1002.7
52.5°	894.8	885.5	880.8	873.7	873.7	872.6	880.8	885.5	892.5	893.7
55°	797.5	789.3	784.6	779.9	778.7	781.1	785.8	789.3	797.5	798.7
57.5°	704.8	701.3	697.8	694.3	693.1	694.3	696.6	699.0	703.7	704.8
60°	620.4	619.2	614.5	611.0	609.8	608.7	607.5	606.3	608.7	607.5
62.5°	543.0	539.5	536.0	528.9	525.4	516.0	504.3	478.5	457.4	445.7
65°	466.8	464.4	448.0	399.9	370.6	333.1	293.2	254.5	241.6	233.4
67.5°	392.9	354.2	295.5	253.3	238.1	224.0	202.9	181.8	170.1	163.0
70°	282.6	249.8	222.8	199.4	188.8	180.6	164.2	148.9	138.4	133.7
72.5°	228.7	207.6	190.0	172.4	164.2	154.8	138.4	123.1	113.8	109.1
75°	191.2	178.3	160.7	144.3	137.2	130.2	118.5	106.7	98.5	95.0
77.5°	151.3	144.3	133.7	120.8	114.9	110.2	99.7	91.5	83.3	79.7
80°	111.4	109.1	102.0	92.6	88.0	84.4	76.2	69.2	62.2	59.8
82.5°	82.1	79.7	73.9	66.8	64.5	61.0	55.1	49.3	44.6	42.2
85°	56.3	55.1	50.4	45.7	43.4	41.0	35.2	30.5	27.0	24.6
87.5°	35.2	34.0	31.7	27.0	24.6	22.3	17.6	14.1	10.6	9.4
90°	17.6	17.6	16.4	12.9	11.7	10.6	7.0	3.5	1.2	0.0
92.5°	4.7	4.7	4.7	3.5	3.5	2.3	1.2	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
100°	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
105°	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
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P256898

CATALOG NUMBER: HGL-S-BA-30L930-UNV-8

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	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
117.5°	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
122.5°	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
127.5°	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
132.5°	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
137.5°	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
142.5°	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
147.5°	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
152.5°	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
157.5°	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
162.5°	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
167.5°	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
172.5°	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
177.5°	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

(END OF REPORT)