

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: P256926

Luminaire Tested: **HGL-S-BA-60L930-UNV-12**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P256926
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-60L930-UNV-12
Description: HUGO 12 FOOT LINEAR LED LUMINAIRE WITH BAFFLE WITH AISLE OPTIC
Light Source: (504) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

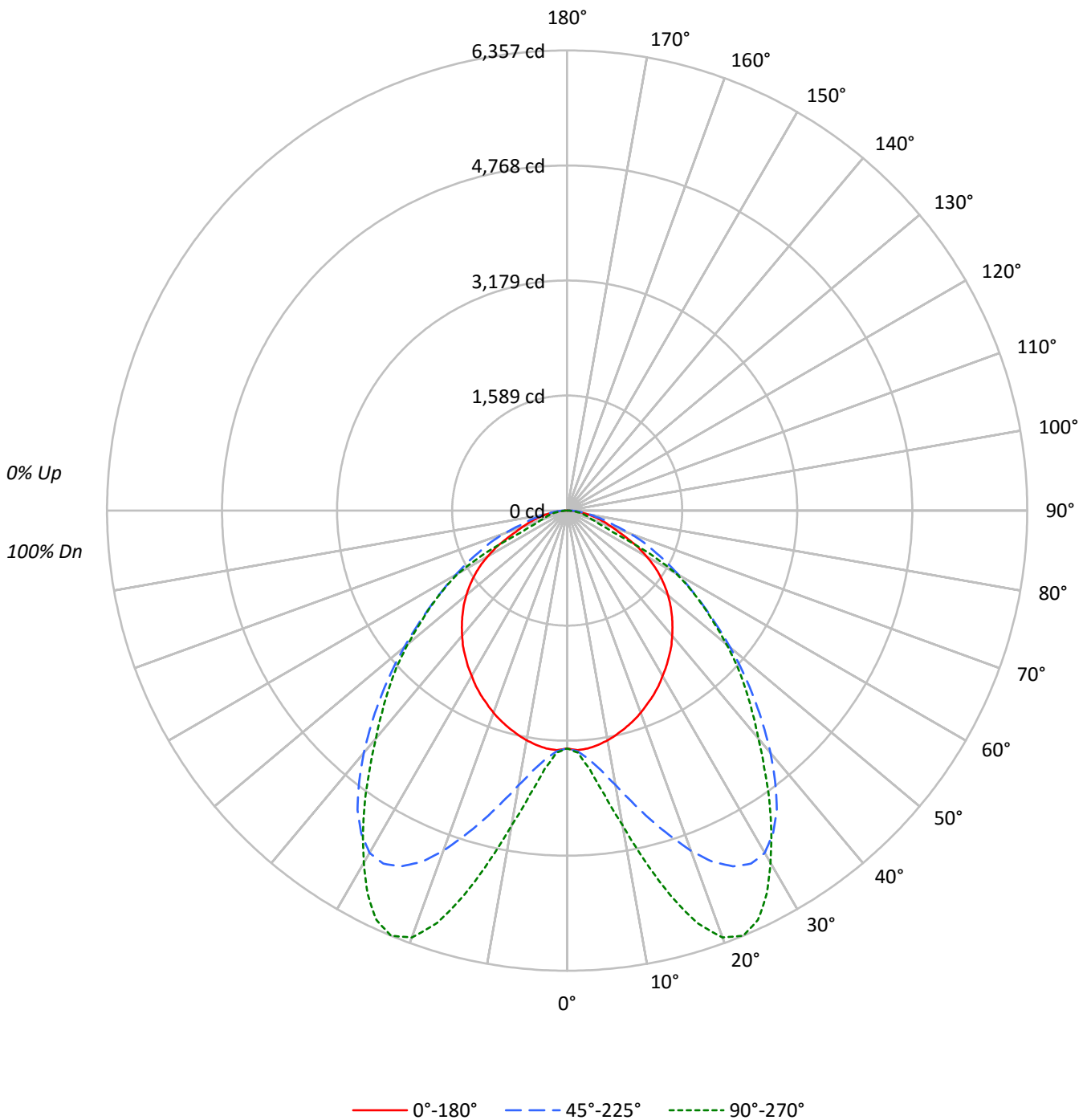
Lumens per Lamp: N/A
Luminaire Lumens: 12835.2 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.77 / 1.65
Luminous Opening: Rectangular w/ Sides (W: 0.23' x L: 12' x H: 0.01')
CIE Type: Direct

Input Watts (W): 142
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	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°	12861	12861	12861
5°	12962	13494	14045
10°	12804	15219	17426
15°	12591	17713	22029
20°	12381	20588	25733
25°	12155	23081	26408
30°	11914	24236	24765
35°	11729	23609	22557
40°	11528	21760	20270
45°	11317	19545	18497
50°	11057	17255	16628
55°	10649	15052	14698
60°	9928	13220	12667
65°	8604	11457	5662
70°	7403	9662	3914
75°	6787	7504	3539
80°	6104	6106	3095
85°	5080	5329	2115



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.5	2.7
10°-20°	1242.5	9.7
20°-30°	2248.8	17.5
30°-40°	2698.8	21.0
40°-50°	2556.7	19.9
50°-60°	2003.2	15.6
60°-70°	1118.0	8.7
70°-80°	473.8	3.7
80°-90°	147.4	1.1
90°-100°	5.3	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°	3831.9	29.9
0°-40°	6530.7	50.9
0°-60°	11090.6	86.4
0°-90°	12829.8	100.0
90°-120°	5.3	0.0
90°-150°	5.3	0.0
90°-180°	5.0	0.0
0°-180°	12835.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3286	3286	3286	3286	3286	
5°	3299	3313	3444	3558	3588	312
15°	3108	3481	4408	5218	5500	876
25°	2816	3699	5423	6084	6239	1297
35°	2456	3783	5050	4838	4865	1537
45°	2046	3464	3642	3387	3487	1578
55°	1562	2516	2305	2231	2288	1391
65°	931	1162	1320	1062	669	930
75°	450	467	554	393	272	479
85°	114	131	161	124	71	127
90°	0	27	50	34	0	7
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°	3285.8	3285.8	3285.8	3285.8	3285.8	3285.8	3285.8	3285.8	3285.8	3285.8	3285.8
2.5°	3312.7	3309.4	3299.3	3285.8	3289.2	3292.6	3292.6	3295.9	3299.3	3309.4	3329.5
5°	3299.3	3292.6	3289.2	3285.8	3302.6	3312.7	3322.8	3343.0	3366.5	3403.4	3443.8
7.5°	3265.7	3265.7	3272.4	3285.8	3322.8	3346.3	3366.5	3416.9	3474.0	3544.5	3621.8
10°	3222.0	3228.7	3248.9	3279.1	3346.3	3383.3	3423.6	3507.6	3605.0	3722.6	3850.3
12.5°	3168.3	3181.7	3215.3	3272.4	3373.2	3430.3	3490.8	3618.5	3762.9	3930.9	4119.1
15°	3107.8	3124.6	3178.3	3262.3	3400.1	3480.7	3564.7	3739.4	3937.6	4162.7	4408.0
17.5°	3043.9	3067.5	3141.4	3259.0	3437.0	3537.8	3645.3	3873.8	4129.1	4401.3	4703.7
20°	2973.4	3007.0	3101.1	3252.2	3470.6	3594.9	3726.0	4011.6	4324.0	4646.6	4999.3
22.5°	2892.8	2936.4	3054.0	3238.8	3504.2	3652.1	3806.6	4139.2	4502.1	4868.3	5251.3
25°	2815.5	2862.5	3000.3	3222.0	3531.1	3699.1	3877.2	4256.8	4663.3	5049.7	5422.7
27.5°	2731.5	2785.2	2949.9	3205.2	3551.3	3739.4	3937.6	4354.3	4780.9	5164.0	5499.9
30°	2637.4	2708.0	2892.8	3178.3	3561.3	3769.7	3984.7	4431.5	4854.9	5190.8	5459.6
32.5°	2550.1	2627.3	2828.9	3148.1	3564.7	3786.5	4014.9	4455.0	4854.9	5130.4	5291.6
35°	2456.0	2540.0	2765.1	3111.1	3551.3	3783.1	4011.6	4448.3	4784.3	4972.4	5049.7
37.5°	2361.9	2452.6	2697.9	3060.7	3521.0	3759.6	3988.0	4381.1	4639.8	4740.6	4720.5
40°	2257.8	2358.6	2610.5	2996.9	3467.3	3699.1	3917.5	4263.5	4428.2	4445.0	4371.1
42.5°	2153.6	2257.8	2523.2	2912.9	3376.6	3598.3	3799.9	4075.4	4152.7	4115.7	4001.5
45°	2046.1	2153.6	2419.0	2812.1	3262.3	3463.9	3631.9	3830.1	3830.1	3762.9	3642.0
47.5°	1935.2	2039.4	2308.2	2694.5	3114.5	3289.2	3427.0	3544.5	3490.8	3406.8	3285.8
50°	1817.6	1921.8	2183.8	2553.4	2923.0	3067.5	3181.7	3225.4	3141.4	3047.3	2939.8
52.5°	1693.3	1797.5	2036.0	2375.4	2697.9	2805.4	2889.4	2886.0	2785.2	2701.2	2607.2
55°	1562.3	1656.4	1871.4	2163.7	2429.1	2516.5	2566.9	2526.5	2432.5	2355.2	2304.8
57.5°	1424.5	1501.8	1686.6	1925.1	2123.4	2190.6	2220.8	2167.0	2099.9	2052.8	2025.9
60°	1270.0	1333.8	1464.9	1649.6	1794.1	1841.1	1861.3	1824.4	1800.8	1787.4	1780.7
62.5°	1108.7	1139.0	1223.0	1343.9	1464.9	1498.5	1522.0	1528.7	1525.3	1532.1	1548.9
65°	930.7	940.7	967.6	1028.1	1122.2	1162.5	1206.2	1253.2	1280.1	1306.9	1320.4
67.5°	766.0	769.4	782.8	803.0	839.9	883.6	920.6	991.1	1051.6	1102.0	1135.6
70°	648.4	645.1	648.4	658.5	678.7	695.5	712.3	762.7	826.5	910.5	917.2
72.5°	547.6	544.3	547.6	554.4	561.1	567.8	577.9	598.0	635.0	685.4	695.5
75°	450.2	450.2	450.2	456.9	463.6	467.0	473.7	480.4	493.9	530.8	554.4
77.5°	359.5	356.1	362.9	366.2	369.6	376.3	379.7	386.4	393.1	406.5	423.3
80°	272.1	268.8	272.1	278.9	282.2	288.9	288.9	299.0	302.4	312.5	319.2
82.5°	191.5	188.1	191.5	198.2	198.2	204.9	208.3	215.0	221.7	228.5	235.2
85°	114.2	114.2	117.6	121.0	124.3	131.0	134.4	144.5	151.2	157.9	161.3
87.5°	50.4	50.4	53.8	57.1	63.8	70.6	73.9	80.6	87.4	97.4	97.4
90°	0.0	3.4	10.1	16.8	20.2	26.9	26.9	37.0	40.3	47.0	50.4
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	6.7	10.1	13.4
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°	3285.8	3285.8	3285.8	3285.8	3285.8	3285.8	3285.8	3285.8	3285.8	3285.8
2.5°	3359.8	3339.6	3353.0	3356.4	3359.8	3353.0	3346.3	3353.0	3346.3	3346.3
5°	3494.2	3490.8	3524.4	3547.9	3558.0	3558.0	3578.1	3591.6	3594.9	3588.2
7.5°	3705.8	3726.0	3793.2	3840.2	3867.1	3880.5	3917.5	3937.6	3964.5	3961.2
10°	3984.7	4048.5	4149.3	4216.5	4263.5	4287.1	4340.8	4377.8	4421.4	4418.1
12.5°	4290.4	4408.0	4549.1	4656.6	4727.2	4770.9	4841.4	4908.6	4948.9	4952.3
15°	4636.5	4797.7	4989.2	5127.0	5217.7	5274.8	5372.3	5439.5	5506.7	5499.9
17.5°	4975.8	5170.7	5402.5	5583.9	5667.9	5721.7	5839.3	5909.8	5973.7	5973.7
20°	5278.2	5503.3	5738.5	5906.5	5987.1	6040.9	6141.6	6212.2	6259.2	6276.0
22.5°	5520.1	5728.4	5926.6	6071.1	6121.5	6165.2	6242.4	6299.6	6329.8	6356.7
25°	5654.5	5822.5	5956.9	6057.7	6084.5	6108.0	6151.7	6195.4	6202.1	6239.1
27.5°	5657.8	5782.2	5856.1	5893.0	5896.4	5896.4	5926.6	5943.4	5956.9	5970.3
30°	5536.9	5594.0	5607.4	5610.8	5594.0	5583.9	5604.1	5607.4	5617.5	5617.5
32.5°	5295.0	5308.4	5284.9	5247.9	5237.9	5217.7	5231.1	5224.4	5241.2	5251.3
35°	4985.9	4962.4	4901.9	4875.0	4838.1	4828.0	4838.1	4831.3	4841.4	4864.9
37.5°	4633.1	4582.7	4532.3	4485.3	4458.4	4431.5	4441.6	4451.7	4465.1	4471.8
40°	4270.3	4203.1	4149.3	4102.3	4075.4	4055.2	4072.0	4082.1	4112.3	4112.3
42.5°	3904.0	3830.1	3776.4	3746.1	3726.0	3709.2	3736.1	3742.8	3779.7	3786.5
45°	3541.2	3477.4	3433.7	3403.4	3386.6	3393.4	3420.2	3437.0	3470.6	3487.4
47.5°	3208.6	3154.8	3107.8	3094.3	3094.3	3101.1	3127.9	3144.7	3171.6	3191.8
50°	2882.7	2842.4	2812.1	2795.3	2798.7	2808.8	2832.3	2845.7	2872.6	2872.6
52.5°	2563.5	2536.6	2523.2	2503.0	2503.0	2499.7	2523.2	2536.6	2556.8	2560.1
55°	2284.6	2261.1	2247.7	2234.2	2230.9	2237.6	2251.0	2261.1	2284.6	2288.0
57.5°	2019.2	2009.1	1999.1	1989.0	1985.6	1989.0	1995.7	2002.4	2015.9	2019.2
60°	1777.3	1774.0	1760.5	1750.4	1747.1	1743.7	1740.4	1737.0	1743.7	1740.4
62.5°	1555.6	1545.5	1535.4	1515.3	1505.2	1478.3	1444.7	1370.8	1310.3	1276.7
65°	1337.2	1330.5	1283.4	1145.7	1061.7	954.2	839.9	729.1	692.1	668.6
67.5°	1125.5	1014.6	846.7	725.7	682.0	641.7	581.2	520.8	487.2	467.0
70°	809.7	715.6	638.4	571.2	540.9	517.4	470.4	426.7	396.5	383.0
72.5°	655.2	594.7	544.3	493.9	470.4	443.5	396.5	352.8	325.9	312.5
75°	547.6	510.7	460.3	413.3	393.1	372.9	339.3	305.7	282.2	272.1
77.5°	433.4	413.3	383.0	346.1	329.3	315.8	285.6	262.1	238.5	228.5
80°	319.2	312.5	292.3	265.4	252.0	241.9	218.4	198.2	178.1	171.3
82.5°	235.2	228.5	211.7	191.5	184.8	174.7	157.9	141.1	127.7	121.0
85°	161.3	157.9	144.5	131.0	124.3	117.6	100.8	87.4	77.3	70.6
87.5°	100.8	97.4	90.7	77.3	70.6	63.8	50.4	40.3	30.2	26.9
90°	50.4	50.4	47.0	37.0	33.6	30.2	20.2	10.1	3.4	0.0
92.5°	13.4	13.4	13.4	10.1	10.1	6.7	3.4	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: P256926

CATALOG NUMBER: HGL-S-BA-60L930-UNV-12

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)