

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: P257005

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257005  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1708-204-8)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: HGL-S-BF-60L930-UNV-12  
Description: HUGO 12 FOOT LINEAR LED LUMINAIRE WITH BAFFLE WITH FROSTED LENS  
Light Source: (504) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11366.4 lumens  
Efficiency: N/A  
Efficacy: 80.0 lumens/watt  
Spacing Criteria (0/90/45): 1.12 / 1.25 / 1.28  
Luminous Opening: Rectangular w/ Sides (W: 0.23' x L: 12' x H: 0.01')  
CIE Type: Direct

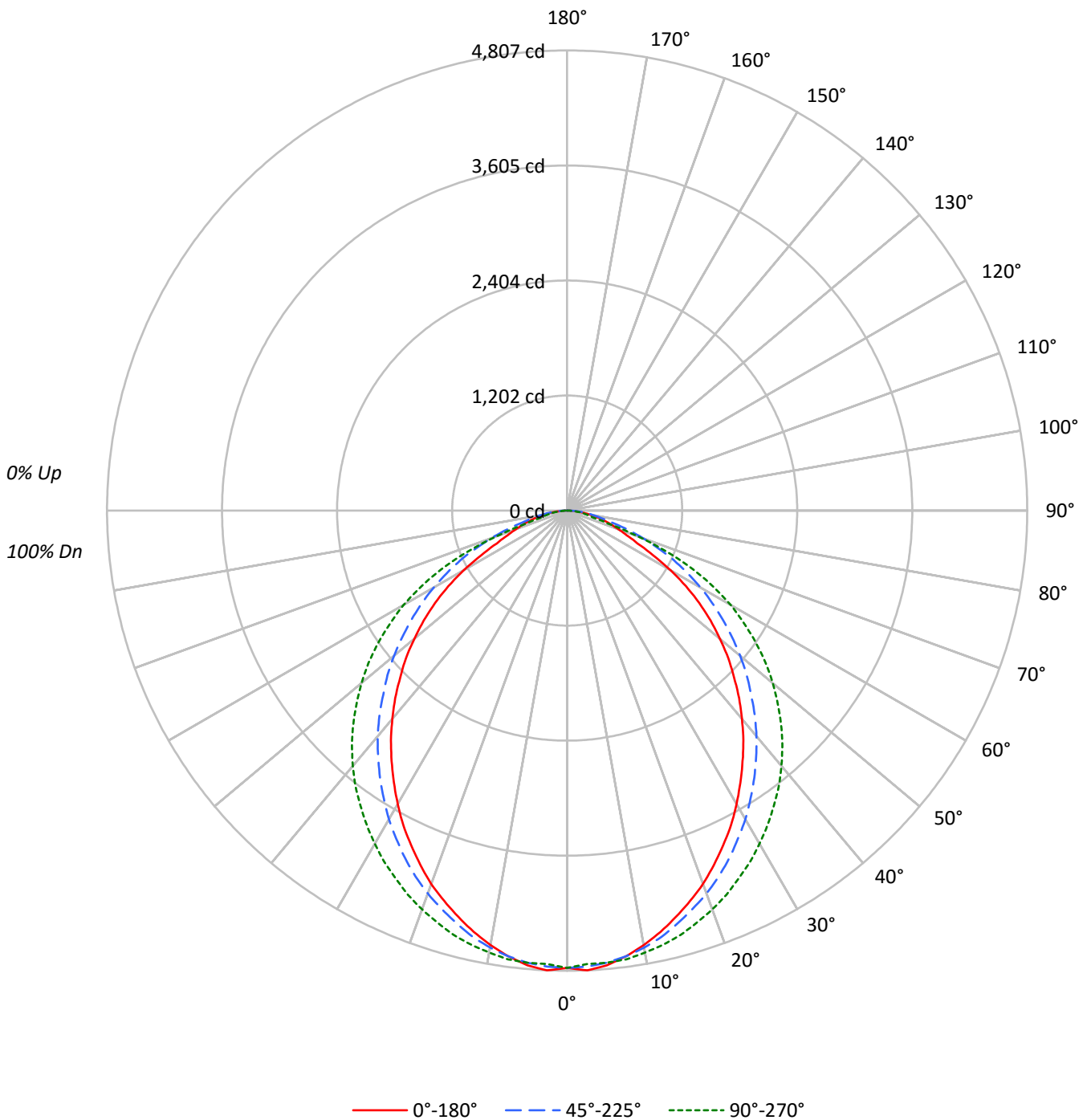
Input Watts (W): 142  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88					86				
2	101	93	87	81	98	91	85	80	88	83	78	84	80	77	81	78	75					73				
3	92	82	75	68	90	81	74	68	78	72	67	75	70	66	73	68	64					62				
4	85	73	65	59	82	72	64	58	70	63	57	67	61	57	65	60	56					54				
5	78	66	57	51	76	65	57	51	63	56	50	61	54	50	59	53	49					47				
6	72	59	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43					41				
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39					37				
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35					33				
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32					30				
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29					27				

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

	0°	45°	90°
0°	18696	18696	18696
5°	18731	18578	18558
10°	18317	18323	18492
15°	17799	17938	18374
20°	17287	17531	18177
25°	16648	17051	17944
30°	15990	16533	17719
35°	15263	15931	17452
40°	14498	15319	17164
45°	13635	14577	16765
50°	12667	13849	16232
55°	11492	12966	15469
60°	9774	11961	14354
65°	7489	10695	12304
70°	6484	8903	7963
75°	5973	6614	3722
80°	5333	5305	3182
85°	4506	4509	2373



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	448.9	3.9
10°-20°	1258.9	11.1
20°-30°	1846.5	16.2
30°-40°	2141.4	18.8
40°-50°	2120.1	18.7
50°-60°	1789.0	15.7
60°-70°	1159.4	10.2
70°-80°	469.0	4.1
80°-90°	130.1	1.1
90°-100°	3.0	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°	3554.3	31.3
0°-40°	5695.7	50.1
0°-60°	9604.8	84.5
0°-90°	11363.4	100.0
90°-120°	3.0	0.0
90°-150°	3.0	0.0
90°-180°	3.0	0.0
0°-180°	11366.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4776	4776	4776	4776	4776	
5°	4768	4719	4741	4737	4741	450
15°	4394	4372	4464	4543	4587	1238
25°	3856	3856	4006	4129	4239	1776
35°	3196	3218	3407	3588	3764	1998
45°	2465	2518	2716	2945	3161	1903
55°	1686	1774	1985	2219	2408	1498
65°	810	938	1233	1382	1453	841
75°	396	414	489	401	286	421
85°	101	119	136	110	79	111
90°	0	18	31	22	0	6
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°	22.5°	45°	67.5°	90°
0°	4776.5	4776.5	4776.5	4776.5	4776.5
2.5°	4807.3	4754.5	4767.7	4758.9	4741.3
5°	4767.7	4719.3	4741.3	4736.9	4741.3
7.5°	4697.3	4657.6	4697.3	4710.5	4728.1
10°	4609.2	4578.4	4635.6	4666.5	4688.5
12.5°	4508.0	4481.6	4560.8	4609.2	4644.4
15°	4393.5	4371.5	4463.9	4543.2	4587.2
17.5°	4274.6	4257.0	4362.7	4463.9	4512.4
20°	4151.4	4133.8	4257.0	4358.3	4433.1
22.5°	4006.1	3997.3	4138.2	4243.8	4345.1
25°	3856.4	3856.4	4006.1	4129.4	4239.4
27.5°	3706.7	3706.7	3865.2	4001.7	4138.2
30°	3539.5	3552.7	3724.4	3874.0	4019.3
32.5°	3367.8	3389.8	3565.9	3733.2	3896.0
35°	3196.1	3218.1	3407.4	3587.9	3764.0
37.5°	3024.4	3055.2	3244.5	3433.8	3631.9
40°	2839.5	2879.1	3077.2	3275.3	3482.2
42.5°	2659.0	2703.0	2901.1	3112.4	3328.1
45°	2465.3	2518.1	2716.2	2945.1	3160.9
47.5°	2284.8	2337.6	2544.5	2769.1	2984.8
50°	2082.3	2148.3	2359.6	2593.0	2804.3
52.5°	1888.6	1963.4	2170.3	2408.1	2615.0
55°	1686.1	1774.1	1985.4	2218.8	2408.1
57.5°	1470.4	1576.0	1796.1	2020.7	2192.4
60°	1250.3	1377.9	1611.2	1818.2	1972.2
62.5°	1012.5	1162.2	1417.5	1611.2	1721.3
65°	810.0	937.7	1232.6	1382.3	1452.8
67.5°	673.6	748.4	1030.1	1140.2	1140.2
70°	567.9	607.5	845.2	871.7	779.2
72.5°	479.9	501.9	660.3	594.3	444.6
75°	396.2	413.8	488.7	400.6	286.2
77.5°	317.0	330.2	369.8	303.8	224.5
80°	237.7	255.3	277.3	233.3	176.1
82.5°	167.3	180.5	206.9	171.7	127.7
85°	101.3	118.9	136.5	110.1	79.2
87.5°	44.0	57.2	74.8	57.2	35.2
90°	0.0	17.6	30.8	22.0	0.0
92.5°	0.0	0.0	4.4	4.4	0.0
95°	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)