

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: P256954

Luminaire Tested: **HGL-S-BF-60L930-UNV-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P256954
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-4
Description: HUGO 4 FOOT LINEAR LED LUMINAIRE WITH BAFFLE WITH FROSTED LENS
Light Source: (168) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3788.8 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.25 / 1.28
Luminous Opening: Rectangular w/ Sides (W: 0.23' x L: 4' x H: 0.01')
CIE Type: Direct

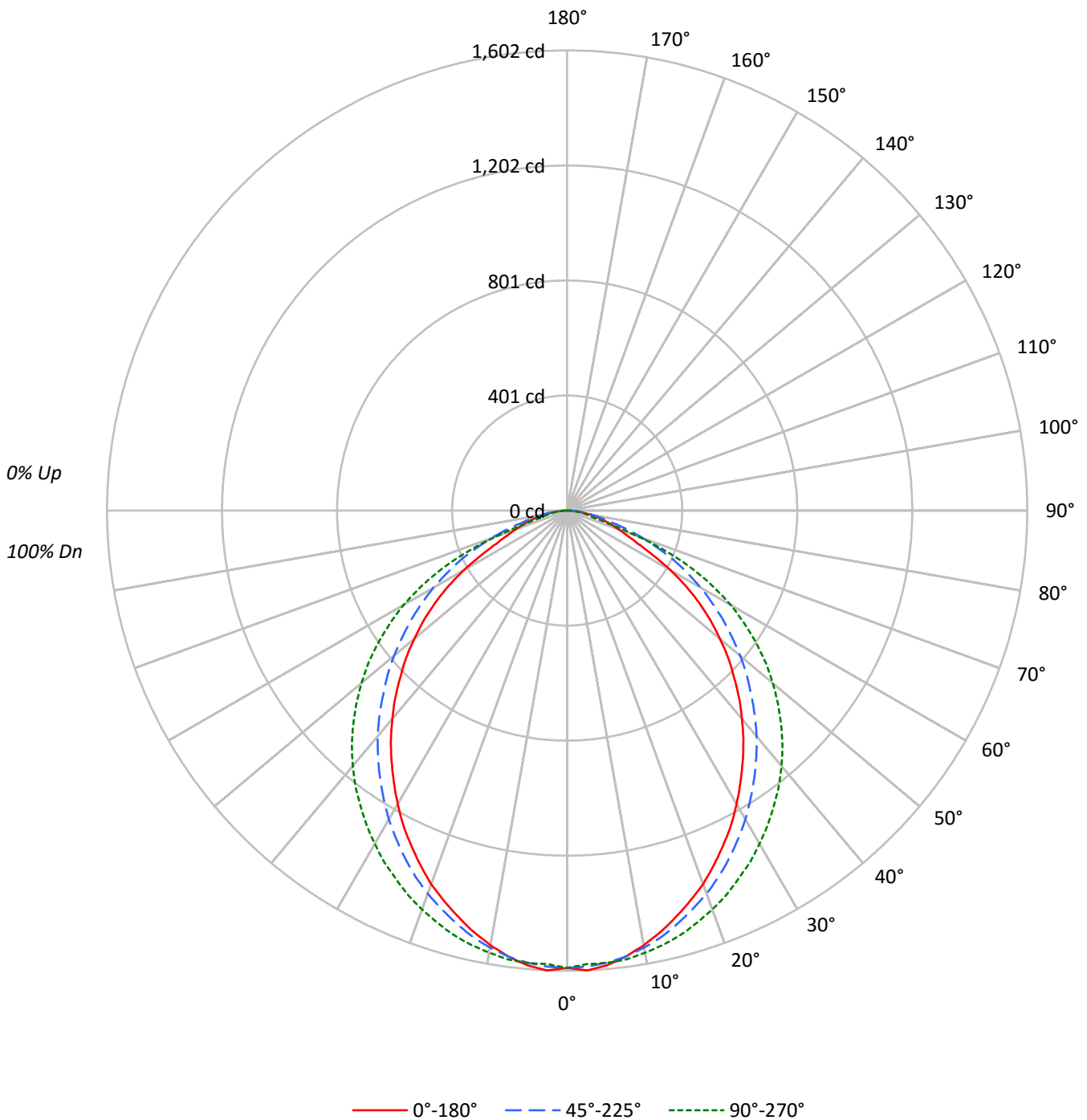
Input Watts (W): 47.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	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°	18728	18576	18558
10°	18311	18319	18492
15°	17792	17932	18374
20°	17276	17524	18177
25°	16636	17043	17943
30°	15974	16522	17720
35°	15246	15918	17453
40°	14478	15304	17164
45°	13613	14560	16765
50°	12642	13830	16233
55°	11465	12945	15469
60°	9746	11939	14354
65°	7462	10670	12305
70°	6455	8876	7962
75°	5938	6588	3722
80°	5281	5273	3182
85°	4427	4465	2373



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.6	3.9
10°-20°	419.6	11.1
20°-30°	615.5	16.2
30°-40°	713.8	18.8
40°-50°	706.7	18.7
50°-60°	596.3	15.7
60°-70°	386.5	10.2
70°-80°	156.4	4.1
80°-90°	43.4	1.1
90°-100°	1.0	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°	1184.8	31.3
0°-40°	1898.6	50.1
0°-60°	3201.6	84.5
0°-90°	3787.8	100.0
90°-120°	1.0	0.0
90°-150°	1.0	0.0
90°-180°	1.0	0.0
0°-180°	3788.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1592	1592	1592	1592	1592	
5°	1589	1573	1580	1579	1580	150
15°	1464	1457	1488	1514	1529	413
25°	1286	1286	1335	1376	1413	592
35°	1065	1073	1136	1196	1255	666
45°	822	839	905	982	1054	634
55°	562	591	662	740	803	499
65°	270	313	411	461	484	280
75°	132	138	163	134	95	140
85°	34	40	46	37	26	37
90°	0	6	10	7	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°	22.5°	45°	67.5°	90°
0°	1592.2	1592.2	1592.2	1592.2	1592.2
2.5°	1602.4	1584.8	1589.2	1586.3	1580.4
5°	1589.2	1573.1	1580.4	1579.0	1580.4
7.5°	1565.8	1552.5	1565.8	1570.2	1576.0
10°	1536.4	1526.1	1545.2	1555.5	1562.8
12.5°	1502.7	1493.9	1520.3	1536.4	1548.1
15°	1464.5	1457.2	1488.0	1514.4	1529.1
17.5°	1424.9	1419.0	1454.2	1488.0	1504.1
20°	1383.8	1377.9	1419.0	1452.8	1477.7
22.5°	1335.4	1332.4	1379.4	1414.6	1448.4
25°	1285.5	1285.5	1335.4	1376.5	1413.1
27.5°	1235.6	1235.6	1288.4	1333.9	1379.4
30°	1179.8	1184.2	1241.5	1291.3	1339.8
32.5°	1122.6	1129.9	1188.6	1244.4	1298.7
35°	1065.4	1072.7	1135.8	1196.0	1254.7
37.5°	1008.1	1018.4	1081.5	1144.6	1210.6
40°	946.5	959.7	1025.7	1091.8	1160.7
42.5°	886.3	901.0	967.0	1037.5	1109.4
45°	821.8	839.4	905.4	981.7	1053.6
47.5°	761.6	779.2	848.2	923.0	994.9
50°	694.1	716.1	786.5	864.3	934.8
52.5°	629.5	654.5	723.4	802.7	871.7
55°	562.0	591.4	661.8	739.6	802.7
57.5°	490.1	525.3	598.7	673.6	730.8
60°	416.8	459.3	537.1	606.1	657.4
62.5°	337.5	387.4	472.5	537.1	573.8
65°	270.0	312.6	410.9	460.8	484.3
67.5°	224.5	249.5	343.4	380.1	380.1
70°	189.3	202.5	281.7	290.6	259.7
72.5°	160.0	167.3	220.1	198.1	148.2
75°	132.1	137.9	162.9	133.5	95.4
77.5°	105.7	110.1	123.3	101.3	74.8
80°	79.2	85.1	92.4	77.8	58.7
82.5°	55.8	60.2	69.0	57.2	42.6
85°	33.8	39.6	45.5	36.7	26.4
87.5°	14.7	19.1	24.9	19.1	11.7
90°	0.0	5.9	10.3	7.3	0.0
92.5°	0.0	0.0	1.5	1.5	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)