

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: P256995

Luminaire Tested: **HGL-S-BF-60L835-UNV-12**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P256995
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-60L835-UNV-12
Description: HUGO 12 FOOT LINEAR LED LUMINAIRE WITH BAFFLE WITH FROSTED LENS
Light Source: (504) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15347.0 lumens
Efficiency: N/A
Efficacy: 108.1 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

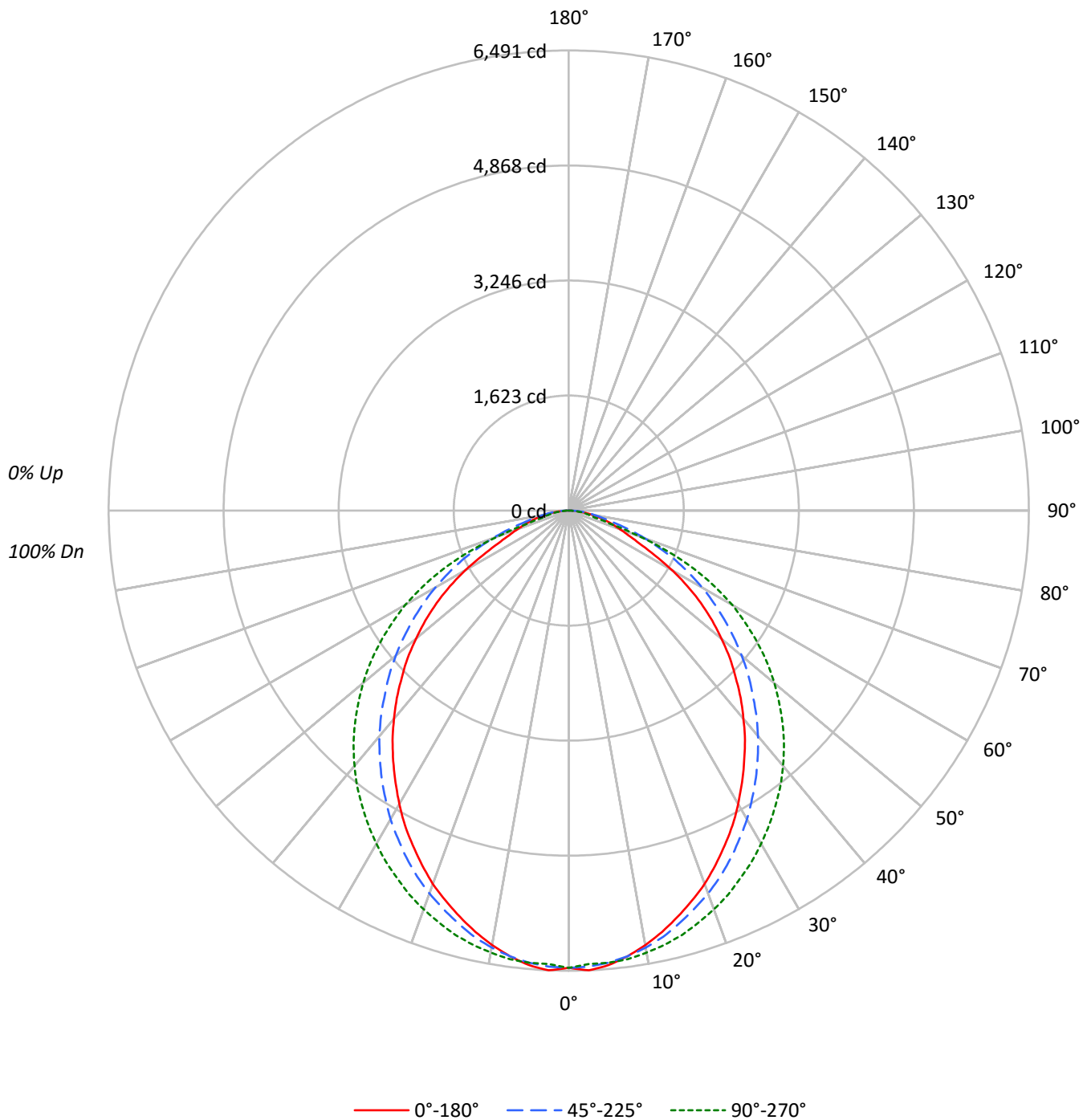
Input Watts (W): 142
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	25243	25243	25243
5°	25291	25084	25057
10°	24731	24740	24968
15°	24033	24220	24808
20°	23341	23671	24543
25°	22479	23023	24228
30°	21589	22323	23925
35°	20608	21510	23564
40°	19576	20684	23175
45°	18410	19682	22636
50°	17103	18700	21917
55°	15517	17508	20886
60°	13196	16151	19381
65°	10111	14440	16612
70°	8755	12023	10751
75°	8066	8930	5025
80°	7202	7164	4297
85°	6081	6089	3206



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	606.2	3.9
10°-20°	1699.7	11.1
20°-30°	2493.2	16.2
30°-40°	2891.3	18.8
40°-50°	2862.6	18.7
50°-60°	2415.5	15.7
60°-70°	1565.4	10.2
70°-80°	633.3	4.1
80°-90°	175.7	1.1
90°-100°	4.1	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°	4799.1	31.3
0°-40°	7690.4	50.1
0°-60°	12968.6	84.5
0°-90°	15343.0	100.0
90°-120°	4.1	0.0
90°-150°	4.1	0.0
90°-180°	4.0	0.0
0°-180°	15347.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6449	6449	6449	6449	6449	
5°	6437	6372	6402	6396	6402	607
15°	5932	5902	6027	6134	6194	1671
25°	5207	5207	5409	5576	5724	2397
35°	4315	4345	4601	4844	5082	2698
45°	3329	3400	3668	3977	4268	2569
55°	2277	2396	2681	2996	3251	2023
65°	1094	1266	1664	1866	1962	1135
75°	535	559	660	541	386	568
85°	137	160	184	149	107	150
90°	0	24	42	30	0	8
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°	6449.3	6449.3	6449.3	6449.3	6449.3
2.5°	6490.9	6419.6	6437.4	6425.5	6401.7
5°	6437.4	6372.0	6401.7	6395.8	6401.7
7.5°	6342.3	6288.8	6342.3	6360.1	6383.9
10°	6223.4	6181.8	6259.1	6300.7	6330.4
12.5°	6086.7	6051.0	6158.0	6223.4	6271.0
15°	5932.2	5902.4	6027.3	6134.3	6193.7
17.5°	5771.7	5747.9	5890.6	6027.3	6092.7
20°	5605.2	5581.5	5747.9	5884.6	5985.7
22.5°	5409.1	5397.2	5587.4	5730.1	5866.8
25°	5207.0	5207.0	5409.1	5575.5	5724.1
27.5°	5004.9	5004.9	5218.9	5403.1	5587.4
30°	4779.0	4796.9	5028.7	5230.8	5426.9
32.5°	4547.2	4576.9	4814.7	5040.6	5260.5
35°	4315.4	4345.1	4600.7	4844.4	5082.2
37.5°	4083.6	4125.2	4380.8	4636.4	4903.8
40°	3833.9	3887.4	4154.9	4422.4	4701.7
42.5°	3590.2	3649.6	3917.1	4202.4	4493.7
45°	3328.7	3400.0	3667.5	3976.6	4267.8
47.5°	3085.0	3156.3	3435.7	3738.8	4030.1
50°	2811.5	2900.7	3186.0	3501.0	3786.4
52.5°	2550.0	2651.0	2930.4	3251.4	3530.8
55°	2276.6	2395.5	2680.8	2995.8	3251.4
57.5°	1985.3	2128.0	2425.2	2728.3	2960.1
60°	1688.1	1860.5	2175.5	2454.9	2662.9
62.5°	1367.1	1569.2	1914.0	2175.5	2324.1
65°	1093.7	1266.1	1664.3	1866.4	1961.5
67.5°	909.4	1010.5	1390.9	1539.5	1539.5
70°	766.8	820.3	1141.3	1176.9	1052.1
72.5°	647.9	677.6	891.6	802.4	600.3
75°	535.0	558.7	659.8	540.9	386.4
77.5°	428.0	445.8	499.3	410.1	303.1
80°	321.0	344.8	374.5	315.0	237.8
82.5°	225.9	243.7	279.4	231.8	172.4
85°	136.7	160.5	184.3	148.6	107.0
87.5°	59.4	77.3	101.0	77.3	47.6
90°	0.0	23.8	41.6	29.7	0.0
92.5°	0.0	0.0	5.9	5.9	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)