

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: P257010

Luminaire Tested: **HGL-S-BF-60L940-UNV-12**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257010
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-60L940-UNV-12
Description: HUGO 12 FOOT LINEAR LED LUMINAIRE WITH BAFFLE WITH FROSTED LENS
Light Source: (504) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11756.1 lumens
Efficiency: N/A
Efficacy: 82.8 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

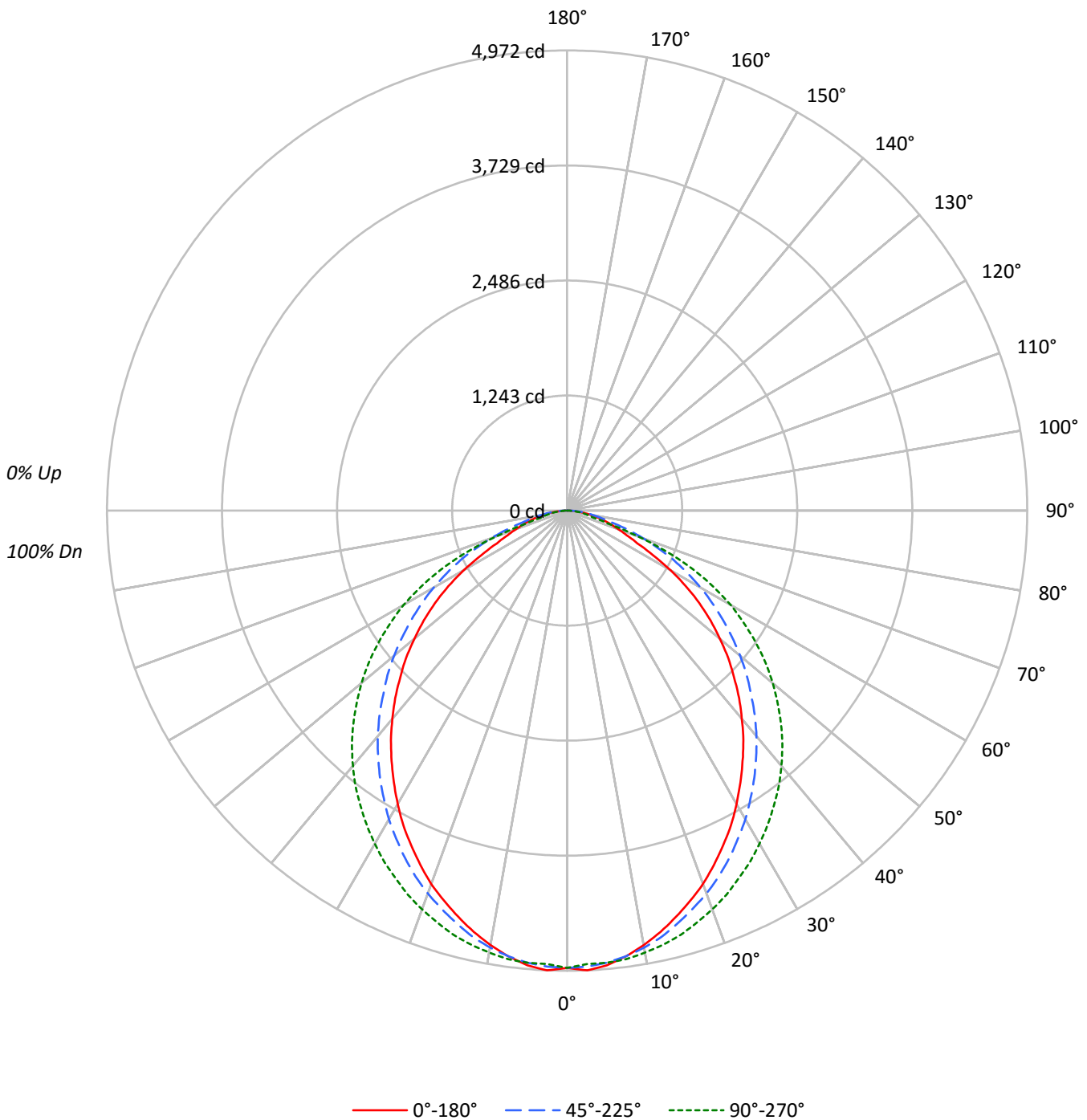
Input Watts (W): 142
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P257010

CATALOG NUMBER: HGL-S-BF-60L940-UNV-12

Luminous Intensity Polar Plot





TEST NUMBER: P257010

CATALOG NUMBER: HGL-S-BF-60L940-UNV-12

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°	19337	19337	19337
5°	19374	19215	19195
10°	18945	18951	19126
15°	18410	18553	19004
20°	17879	18132	18800
25°	17220	17636	18559
30°	16538	17100	18327
35°	15786	16477	18050
40°	14996	15844	17753
45°	14103	15077	17340
50°	13102	14324	16788
55°	11886	13411	15999
60°	10108	12372	14847
65°	7746	11062	12726
70°	6707	9209	8236
75°	6178	6840	3850
80°	5517	5488	3290
85°	4658	4665	2457



TEST NUMBER: P257010

CATALOG NUMBER: HGL-S-BF-60L940-UNV-12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	464.3	3.9
10°-20°	1302.0	11.1
20°-30°	1909.8	16.2
30°-40°	2214.8	18.8
40°-50°	2192.8	18.7
50°-60°	1850.3	15.7
60°-70°	1199.1	10.2
70°-80°	485.1	4.1
80°-90°	134.6	1.1
90°-100°	3.1	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°	3676.2	31.3
0°-40°	5891.0	50.1
0°-60°	9934.2	84.5
0°-90°	11753.0	100.0
90°-120°	3.1	0.0
90°-150°	3.1	0.0
90°-180°	3.0	0.0
0°-180°	11756.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4940	4940	4940	4940	4940	
5°	4931	4881	4904	4899	4904	465
15°	4544	4521	4617	4699	4744	1280
25°	3989	3989	4144	4271	4385	1836
35°	3306	3328	3524	3711	3893	2067
45°	2550	2604	2809	3046	3269	1968
55°	1744	1835	2054	2295	2491	1550
65°	838	970	1275	1430	1503	869
75°	410	428	505	414	296	435
85°	105	123	141	114	82	115
90°	0	18	32	23	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



TEST NUMBER: P257010

CATALOG NUMBER: HGL-S-BF-60L940-UNV-12

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4940.3	4940.3	4940.3	4940.3	4940.3
2.5°	4972.2	4917.5	4931.2	4922.1	4903.9
5°	4931.2	4881.1	4903.9	4899.3	4903.9
7.5°	4858.3	4817.3	4858.3	4872.0	4890.2
10°	4767.3	4735.4	4794.6	4826.5	4849.2
12.5°	4662.5	4635.2	4717.2	4767.3	4803.7
15°	4544.2	4521.4	4617.0	4699.0	4744.5
17.5°	4421.2	4403.0	4512.3	4617.0	4667.1
20°	4293.7	4275.5	4403.0	4507.7	4585.1
22.5°	4143.5	4134.4	4280.1	4389.3	4494.1
25°	3988.7	3988.7	4143.5	4271.0	4384.8
27.5°	3833.8	3833.8	3997.8	4138.9	4280.1
30°	3660.8	3674.5	3852.1	4006.9	4157.1
32.5°	3483.2	3506.0	3688.1	3861.2	4029.6
35°	3305.7	3328.4	3524.2	3710.9	3893.0
37.5°	3128.1	3160.0	3355.8	3551.5	3756.4
40°	2936.9	2977.8	3182.7	3387.6	3601.6
42.5°	2750.2	2795.7	3000.6	3219.2	3442.3
45°	2549.8	2604.5	2809.4	3046.1	3269.2
47.5°	2363.1	2417.8	2631.8	2864.0	3087.1
50°	2153.7	2222.0	2440.5	2681.9	2900.4
52.5°	1953.3	2030.8	2244.8	2490.6	2704.6
55°	1743.9	1835.0	2053.5	2294.8	2490.6
57.5°	1520.8	1630.1	1857.7	2089.9	2267.5
60°	1293.1	1425.2	1666.5	1880.5	2039.9
62.5°	1047.2	1202.1	1466.1	1666.5	1780.3
65°	837.8	969.8	1274.9	1429.7	1502.6
67.5°	696.6	774.1	1065.5	1179.3	1179.3
70°	587.4	628.3	874.2	901.5	805.9
72.5°	496.3	519.1	683.0	614.7	459.9
75°	409.8	428.0	505.4	414.3	296.0
77.5°	327.8	341.5	382.5	314.2	232.2
80°	245.9	264.1	286.9	241.3	182.1
82.5°	173.0	186.7	214.0	177.6	132.0
85°	104.7	122.9	141.2	113.8	82.0
87.5°	45.5	59.2	77.4	59.2	36.4
90°	0.0	18.2	31.9	22.8	0.0
92.5°	0.0	0.0	4.6	4.6	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



TEST NUMBER: P257010

CATALOG NUMBER: HGL-S-BF-60L940-UNV-12

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)