

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: P256950

Luminaire Tested: **HGL-S-BF-30L930-UNV-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P256950
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-30L930-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

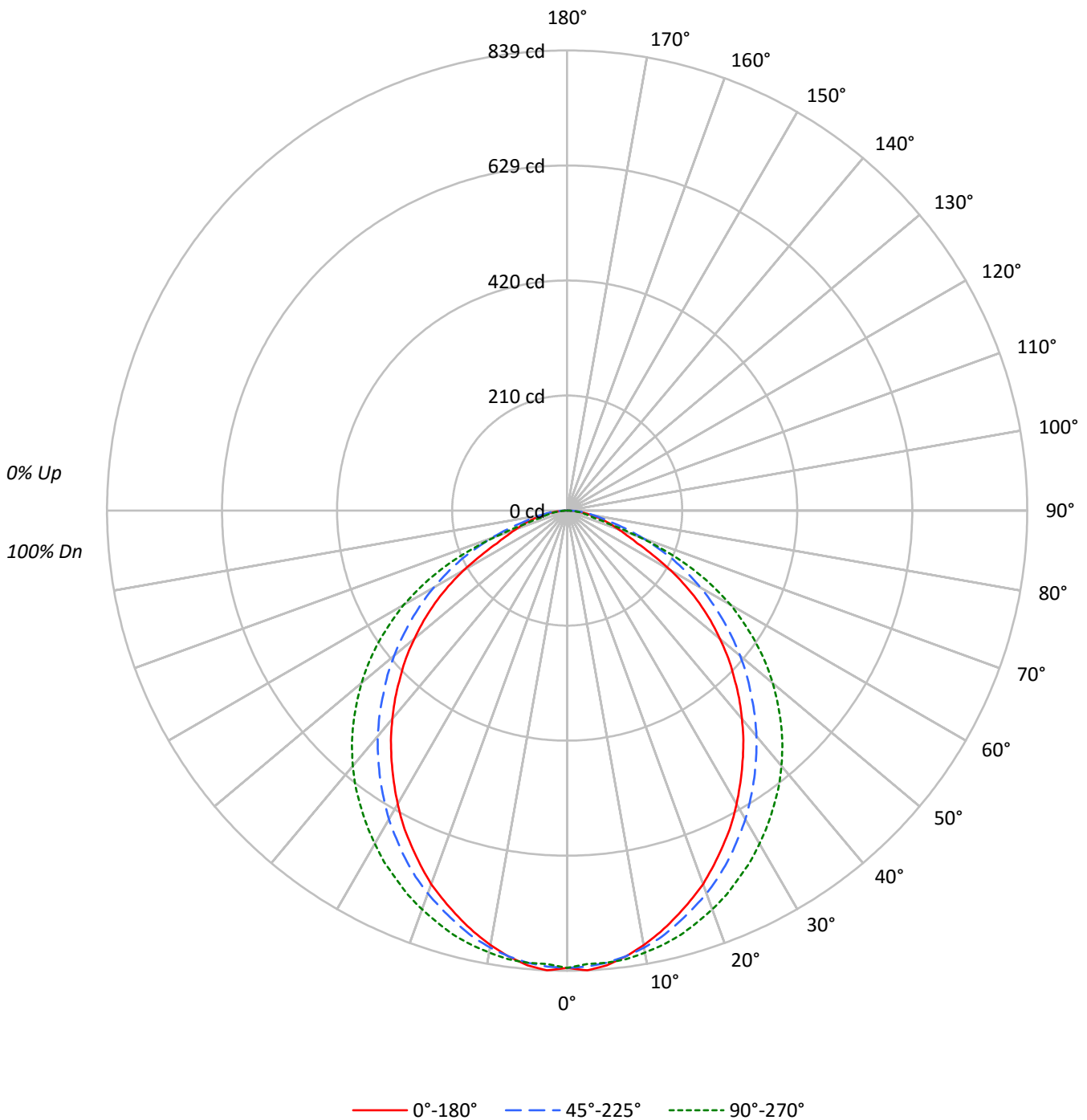
Lumens per Lamp: N/A
Luminaire Lumens: 1983.8 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.25 / 1.28
Luminous Opening: Rectangular w/ Sides (W: 0.23' x L: 4' x H: 0.01')
CIE Type: Direct

Input Watts (W): 23.2
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°	9790	9790	9790
5°	9806	9726	9717
10°	9588	9592	9683
15°	9315	9389	9620
20°	9046	9176	9517
25°	8711	8923	9395
30°	8365	8650	9278
35°	7982	8335	9137
40°	7581	8014	8988
45°	7128	7624	8779
50°	6619	7241	8498
55°	6004	6778	8100
60°	5102	6251	7515
65°	3908	5586	6443
70°	3379	4647	4169
75°	3111	3450	1947
80°	2767	2762	1664
85°	2318	2336	1241



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.4	3.9
10°-20°	219.7	11.1
20°-30°	322.3	16.2
30°-40°	373.7	18.8
40°-50°	370.0	18.7
50°-60°	312.2	15.7
60°-70°	202.3	10.2
70°-80°	81.9	4.1
80°-90°	22.7	1.1
90°-100°	0.5	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°	620.4	31.3
0°-40°	994.1	50.1
0°-60°	1676.4	84.5
0°-90°	1983.3	100.0
90°-120°	0.5	0.0
90°-150°	0.5	0.0
90°-180°	1.0	0.1
0°-180°	1983.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	834	834	834	834	834	
5°	832	824	828	827	828	79
15°	767	763	779	793	801	216
25°	673	673	699	721	740	310
35°	558	562	595	626	657	349
45°	430	440	474	514	552	332
55°	294	310	346	387	420	261
65°	141	164	215	241	254	147
75°	69	72	85	70	50	73
85°	18	21	24	19	14	19
90°	0	3	5	4	0	1
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°	833.7	833.7	833.7	833.7	833.7
2.5°	839.0	829.8	832.1	830.6	827.5
5°	832.1	823.7	827.5	826.7	827.5
7.5°	819.8	812.9	819.8	822.1	825.2
10°	804.5	799.1	809.1	814.5	818.3
12.5°	786.8	782.2	796.0	804.5	810.6
15°	766.8	763.0	779.1	792.9	800.6
17.5°	746.1	743.0	761.4	779.1	787.6
20°	724.6	721.5	743.0	760.7	773.7
22.5°	699.2	697.7	722.3	740.7	758.4
25°	673.1	673.1	699.2	720.7	739.9
27.5°	647.0	647.0	674.6	698.4	722.3
30°	617.8	620.1	650.0	676.1	701.5
32.5°	587.8	591.6	622.4	651.6	680.0
35°	557.8	561.7	594.7	626.2	656.9
37.5°	527.9	533.2	566.3	599.3	633.9
40°	495.6	502.5	537.1	571.7	607.8
42.5°	464.1	471.8	506.3	543.2	580.9
45°	430.3	439.5	474.1	514.0	551.7
47.5°	398.8	408.0	444.1	483.3	520.9
50°	363.4	375.0	411.8	452.6	489.4
52.5°	329.6	342.7	378.8	420.3	456.4
55°	294.3	309.6	346.5	387.2	420.3
57.5°	256.6	275.1	313.5	352.7	382.6
60°	218.2	240.5	281.2	317.3	344.2
62.5°	176.7	202.8	247.4	281.2	300.4
65°	141.4	163.7	215.1	241.3	253.6
67.5°	117.6	130.6	179.8	199.0	199.0
70°	99.1	106.0	147.5	152.1	136.0
72.5°	83.8	87.6	115.3	103.7	77.6
75°	69.2	72.2	85.3	69.9	49.9
77.5°	55.3	57.6	64.5	53.0	39.2
80°	41.5	44.6	48.4	40.7	30.7
82.5°	29.2	31.5	36.1	30.0	22.3
85°	17.7	20.7	23.8	19.2	13.8
87.5°	7.7	10.0	13.1	10.0	6.1
90°	0.0	3.1	5.4	3.8	0.0
92.5°	0.0	0.0	0.8	0.8	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)