

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: P257007

Luminaire Tested: **HGL-S-BF-30L940-UNV-12**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257007
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-30L940-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: 6155.6 lumens
Efficiency: N/A
Efficacy: 94.6 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

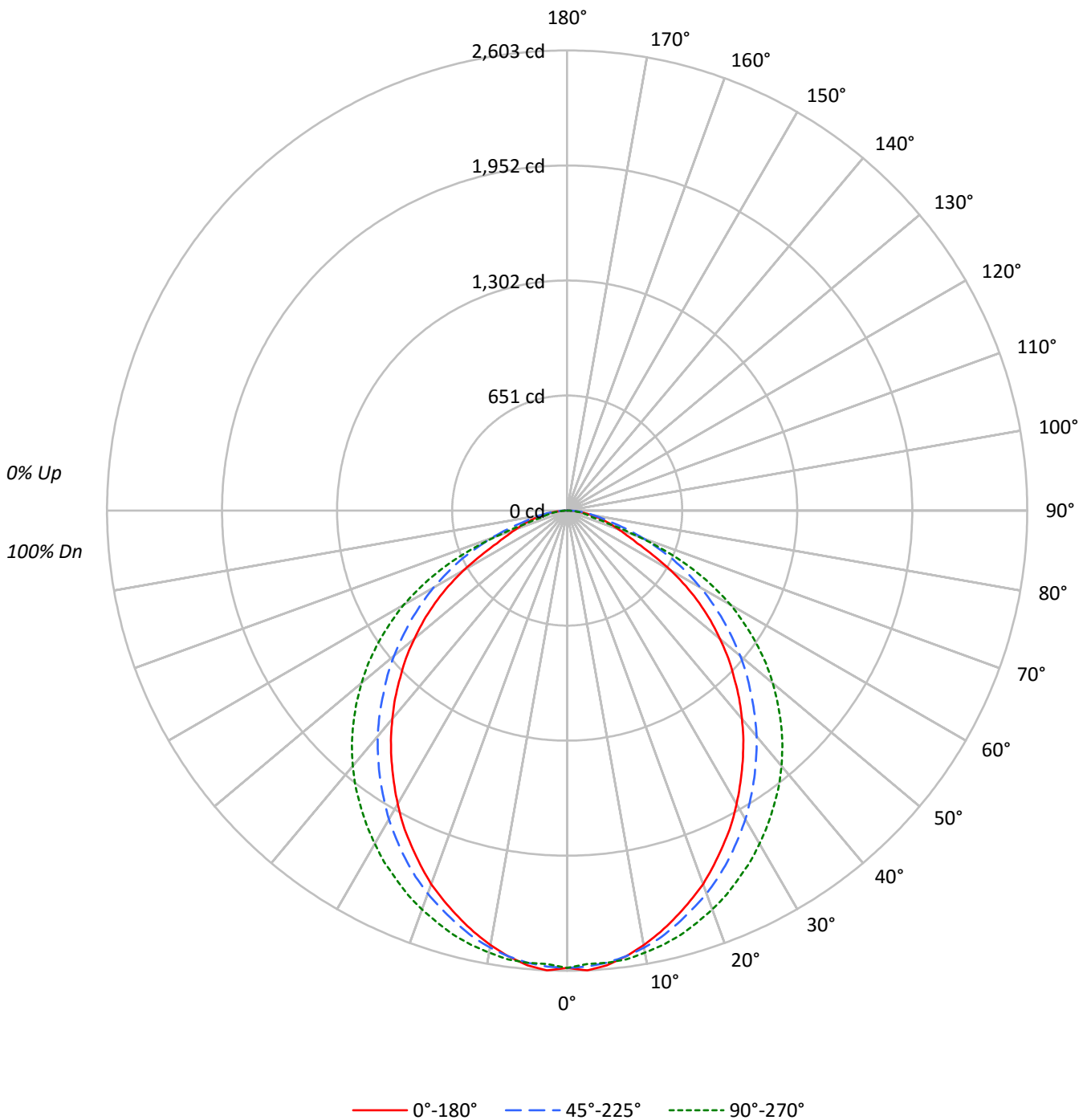
Input Watts (W): 65.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	10125	10125	10125
5°	10144	10061	10050
10°	9919	9923	10015
15°	9639	9714	9950
20°	9362	9494	9844
25°	9016	9234	9718
30°	8659	8953	9596
35°	8266	8627	9451
40°	7851	8296	9295
45°	7384	7894	9079
50°	6860	7500	8791
55°	6224	7022	8377
60°	5293	6478	7774
65°	4056	5792	6664
70°	3511	4821	4312
75°	3235	3581	2016
80°	2887	2873	1724
85°	2438	2441	1285



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.1	3.9
10°-20°	681.7	11.1
20°-30°	1000.0	16.2
30°-40°	1159.7	18.8
40°-50°	1148.2	18.7
50°-60°	968.8	15.7
60°-70°	627.9	10.2
70°-80°	254.0	4.1
80°-90°	70.5	1.1
90°-100°	1.6	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°	1924.9	31.3
0°-40°	3084.5	50.1
0°-60°	5201.5	84.5
0°-90°	6153.9	100.0
90°-120°	1.6	0.0
90°-150°	1.6	0.0
90°-180°	2.0	0.0
0°-180°	6155.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2587	2587	2587	2587	2587	
5°	2582	2556	2568	2565	2568	244
15°	2379	2367	2418	2460	2484	670
25°	2088	2088	2170	2236	2296	962
35°	1731	1743	1845	1943	2038	1082
45°	1335	1364	1471	1595	1712	1031
55°	913	961	1075	1202	1304	811
65°	439	508	668	749	787	455
75°	215	224	265	217	155	228
85°	55	64	74	60	43	60
90°	0	10	17	12	0	3
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°	2586.7	2586.7	2586.7	2586.7	2586.7
2.5°	2603.4	2574.8	2582.0	2577.2	2567.7
5°	2582.0	2555.7	2567.7	2565.3	2567.7
7.5°	2543.8	2522.4	2543.8	2551.0	2560.5
10°	2496.1	2479.5	2510.4	2527.1	2539.1
12.5°	2441.3	2427.0	2469.9	2496.1	2515.2
15°	2379.3	2367.4	2417.5	2460.4	2484.2
17.5°	2315.0	2305.4	2362.6	2417.5	2443.7
20°	2248.2	2238.7	2305.4	2360.3	2400.8
22.5°	2169.5	2164.8	2241.0	2298.3	2353.1
25°	2088.5	2088.5	2169.5	2236.3	2295.9
27.5°	2007.4	2007.4	2093.2	2167.1	2241.0
30°	1916.8	1924.0	2016.9	2098.0	2176.7
32.5°	1823.8	1835.8	1931.1	2021.7	2109.9
35°	1730.9	1742.8	1845.3	1943.0	2038.4
37.5°	1637.9	1654.6	1757.1	1859.6	1966.9
40°	1537.7	1559.2	1666.5	1773.8	1885.8
42.5°	1440.0	1463.8	1571.1	1685.6	1802.4
45°	1335.1	1363.7	1471.0	1595.0	1711.8
47.5°	1237.3	1266.0	1378.0	1499.6	1616.4
50°	1127.7	1163.4	1277.9	1404.2	1518.7
52.5°	1022.8	1063.3	1175.4	1304.1	1416.2
55°	913.1	960.8	1075.2	1201.6	1304.1
57.5°	796.3	853.5	972.7	1094.3	1187.3
60°	677.1	746.2	872.6	984.6	1068.1
62.5°	548.3	629.4	767.7	872.6	932.2
65°	438.7	507.8	667.5	748.6	786.8
67.5°	364.8	405.3	557.9	617.5	617.5
70°	307.5	329.0	457.7	472.1	422.0
72.5°	259.9	271.8	357.6	321.9	240.8
75°	214.6	224.1	264.6	217.0	155.0
77.5°	171.7	178.8	200.3	164.5	121.6
80°	128.7	138.3	150.2	126.4	95.4
82.5°	90.6	97.7	112.1	93.0	69.1
85°	54.8	64.4	73.9	59.6	42.9
87.5°	23.8	31.0	40.5	31.0	19.1
90°	0.0	9.5	16.7	11.9	0.0
92.5°	0.0	0.0	2.4	2.4	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

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