

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: P256982

Luminaire Tested: **HGL-S-BF-30L940-UNV-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P256982
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-8
Description: HUGO 8 FOOT LINEAR LED LUMINAIRE WITH BAFFLE WITH FROSTED LENS
Light Source: (336) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4103.7 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.25 / 1.28
Luminous Opening: Rectangular w/ Sides (W: 0.23' x L: 8' x H: 0.01')
CIE Type: Direct

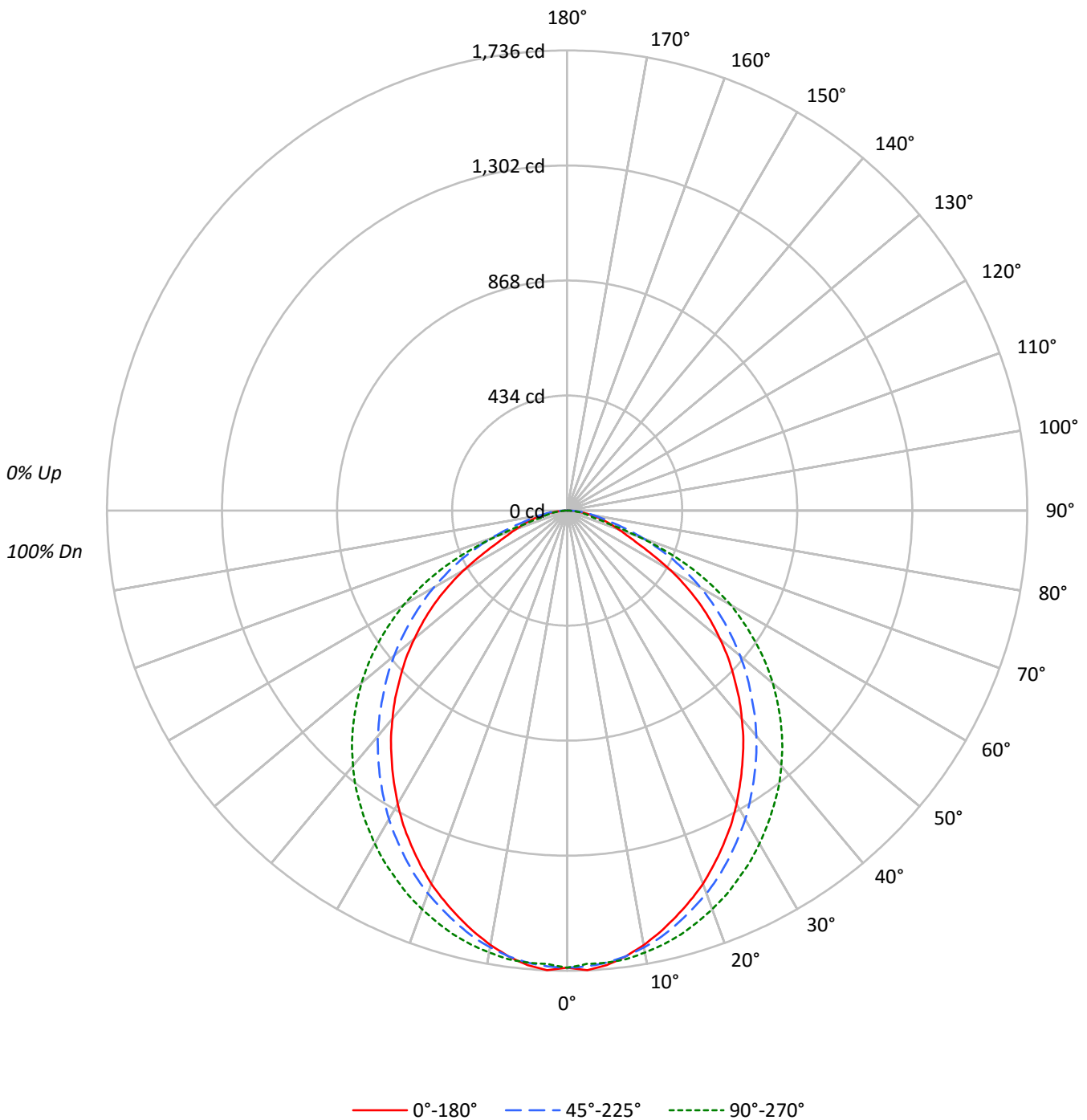
Input Watts (W): 44.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	10125	10125	10125
5°	10144	10061	10050
10°	9919	9922	10014
15°	9638	9713	9950
20°	9360	9493	9844
25°	9014	9233	9718
30°	8657	8952	9596
35°	8263	8626	9451
40°	7849	8294	9295
45°	7381	7892	9079
50°	6857	7498	8790
55°	6220	7019	8377
60°	5289	6475	7773
65°	4051	5788	6663
70°	3507	4819	4312
75°	3229	3578	2015
80°	2881	2868	1724
85°	2431	2437	1285



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.1	3.9
10°-20°	454.5	11.1
20°-30°	666.7	16.2
30°-40°	773.1	18.8
40°-50°	765.4	18.7
50°-60°	645.9	15.7
60°-70°	418.6	10.2
70°-80°	169.3	4.1
80°-90°	47.0	1.1
90°-100°	1.1	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°	1283.2	31.3
0°-40°	2056.3	50.1
0°-60°	3467.7	84.5
0°-90°	4102.6	100.0
90°-120°	1.1	0.0
90°-150°	1.1	0.0
90°-180°	1.0	0.0
0°-180°	4103.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1724	1724	1724	1724	1724	
5°	1721	1704	1712	1710	1712	162
15°	1586	1578	1612	1640	1656	447
25°	1392	1392	1446	1491	1531	641
35°	1154	1162	1230	1295	1359	721
45°	890	909	981	1063	1141	687
55°	609	640	717	801	869	541
65°	292	338	445	499	524	304
75°	143	149	176	145	103	152
85°	37	43	49	40	29	40
90°	0	6	11	8	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°	1724.5	1724.5	1724.5	1724.5	1724.5
2.5°	1735.6	1716.5	1721.3	1718.1	1711.8
5°	1721.3	1703.8	1711.8	1710.2	1711.8
7.5°	1695.9	1681.6	1695.9	1700.7	1707.0
10°	1664.1	1653.0	1673.6	1684.8	1692.7
12.5°	1627.5	1618.0	1646.6	1664.1	1676.8
15°	1586.2	1578.3	1611.6	1640.3	1656.1
17.5°	1543.3	1536.9	1575.1	1611.6	1629.1
20°	1498.8	1492.4	1536.9	1573.5	1600.5
22.5°	1446.3	1443.2	1494.0	1532.2	1568.7
25°	1392.3	1392.3	1446.3	1490.9	1530.6
27.5°	1338.3	1338.3	1395.5	1444.8	1494.0
30°	1277.9	1282.6	1344.6	1398.7	1451.1
32.5°	1215.9	1223.8	1287.4	1347.8	1406.6
35°	1153.9	1161.8	1230.2	1295.4	1358.9
37.5°	1091.9	1103.0	1171.4	1239.7	1311.3
40°	1025.2	1039.5	1111.0	1182.5	1257.2
42.5°	960.0	975.9	1047.4	1123.7	1201.6
45°	890.1	909.1	980.7	1063.3	1141.2
47.5°	824.9	844.0	918.7	999.7	1077.6
50°	751.8	775.6	851.9	936.2	1012.4
52.5°	681.9	708.9	783.6	869.4	944.1
55°	608.7	640.5	716.8	801.1	869.4
57.5°	530.9	569.0	648.5	729.5	791.5
60°	451.4	497.5	581.7	656.4	712.0
62.5°	365.6	419.6	511.8	581.7	621.5
65°	292.4	338.5	445.0	499.1	524.5
67.5°	243.2	270.2	371.9	411.7	411.7
70°	205.0	219.3	305.2	314.7	281.3
72.5°	173.2	181.2	238.4	214.6	160.5
75°	143.0	149.4	176.4	144.6	103.3
77.5°	114.4	119.2	133.5	109.7	81.1
80°	85.8	92.2	100.1	84.2	63.6
82.5°	60.4	65.2	74.7	62.0	46.1
85°	36.6	42.9	49.3	39.7	28.6
87.5°	15.9	20.7	27.0	20.7	12.7
90°	0.0	6.4	11.1	7.9	0.0
92.5°	0.0	0.0	1.6	1.6	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



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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)