

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: P256977

Luminaire Tested: **HGL-S-BF-30L930-UNV-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P256977
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-8
Description: HUGO 8 FOOT LINEAR LED LUMINAIRE WITH BAFFLE WITH FROSTED LENS
Light Source: (336) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3967.6 lumens
Efficiency: N/A
Efficacy: 89.0 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

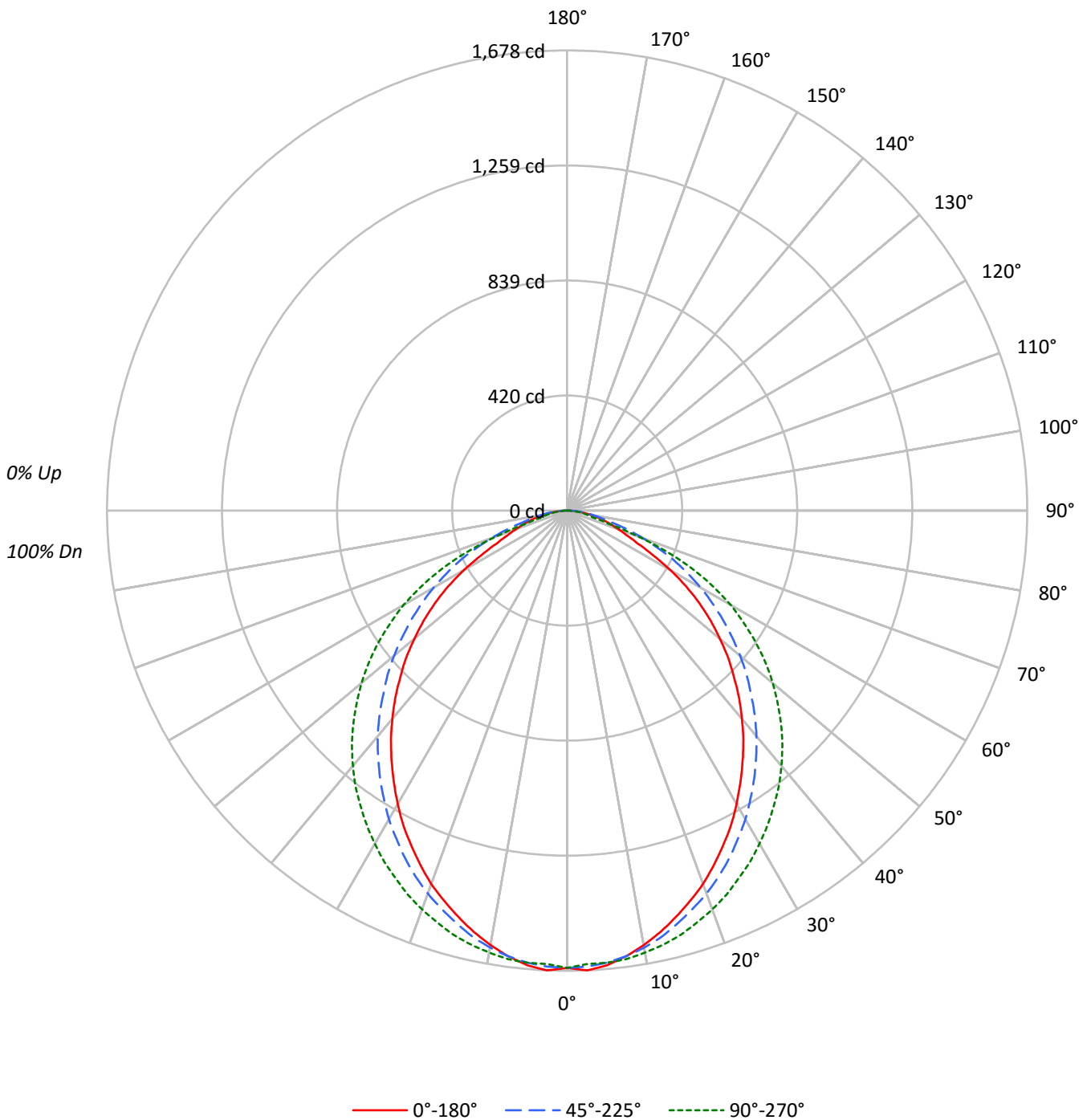
Input Watts (W): 44.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	9789	9789	9789
5°	9808	9727	9717
10°	9590	9593	9683
15°	9319	9391	9620
20°	9050	9179	9518
25°	8716	8927	9395
30°	8370	8655	9278
35°	7989	8340	9138
40°	7589	8019	8987
45°	7137	7630	8779
50°	6630	7249	8499
55°	6014	6787	8100
60°	5113	6260	7515
65°	3918	5597	6442
70°	3391	4658	4169
75°	3123	3460	1949
80°	2787	2774	1667
85°	2344	2353	1245



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.7	3.9
10°-20°	439.4	11.1
20°-30°	644.6	16.2
30°-40°	747.5	18.8
40°-50°	740.1	18.7
50°-60°	624.5	15.7
60°-70°	404.7	10.2
70°-80°	163.7	4.1
80°-90°	45.4	1.1
90°-100°	1.0	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°	1240.7	31.3
0°-40°	1988.2	50.1
0°-60°	3352.7	84.5
0°-90°	3966.6	100.0
90°-120°	1.0	0.0
90°-150°	1.0	0.0
90°-180°	1.0	0.0
0°-180°	3967.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1667	1667	1667	1667	1667	
5°	1664	1647	1655	1654	1655	157
15°	1534	1526	1558	1586	1601	432
25°	1346	1346	1398	1441	1480	620
35°	1116	1123	1189	1252	1314	698
45°	861	879	948	1028	1103	664
55°	589	619	693	774	841	523
65°	283	327	430	482	507	293
75°	138	144	171	140	100	147
85°	35	42	48	38	28	39
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°	1667.3	1667.3	1667.3	1667.3	1667.3
2.5°	1678.1	1659.6	1664.3	1661.2	1655.0
5°	1664.3	1647.3	1655.0	1653.5	1655.0
7.5°	1639.7	1625.8	1639.7	1644.3	1650.4
10°	1608.9	1598.2	1618.1	1628.9	1636.6
12.5°	1573.6	1564.4	1592.0	1608.9	1621.2
15°	1533.6	1525.9	1558.2	1585.9	1601.2
17.5°	1492.1	1486.0	1522.9	1558.2	1575.1
20°	1449.1	1443.0	1486.0	1521.3	1547.5
22.5°	1398.4	1395.3	1444.5	1481.4	1516.7
25°	1346.2	1346.2	1398.4	1441.4	1479.8
27.5°	1293.9	1293.9	1349.2	1396.9	1444.5
30°	1235.5	1240.1	1300.1	1352.3	1403.0
32.5°	1175.6	1183.3	1244.7	1303.1	1360.0
35°	1115.6	1123.3	1189.4	1252.4	1313.9
37.5°	1055.7	1066.5	1132.6	1198.6	1267.8
40°	991.2	1005.0	1074.2	1143.3	1215.5
42.5°	928.2	943.5	1012.7	1086.4	1161.7
45°	860.6	879.0	948.1	1028.1	1103.4
47.5°	797.5	816.0	888.2	966.6	1041.9
50°	726.9	749.9	823.7	905.1	978.9
52.5°	659.2	685.4	757.6	840.6	912.8
55°	588.6	619.3	693.1	774.5	840.6
57.5°	513.3	550.1	627.0	705.3	765.3
60°	436.4	481.0	562.4	634.7	688.4
62.5°	353.4	405.7	494.8	562.4	600.9
65°	282.8	327.3	430.3	482.5	507.1
67.5°	235.1	261.2	359.6	398.0	398.0
70°	198.2	212.1	295.0	304.3	272.0
72.5°	167.5	175.2	230.5	207.5	155.2
75°	138.3	144.5	170.6	139.8	99.9
77.5°	110.6	115.3	129.1	106.0	78.4
80°	83.0	89.1	96.8	81.4	61.5
82.5°	58.4	63.0	72.2	59.9	44.6
85°	35.3	41.5	47.6	38.4	27.7
87.5°	15.4	20.0	26.1	20.0	12.3
90°	0.0	6.1	10.8	7.7	0.0
92.5°	0.0	0.0	1.5	1.5	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)