

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: HALO

Report Number: P14165

Luminaire Tested: **L80238040**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P14165  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L80238040  
Description: HALO SPAN LED WALL WASH WITH 0 DEG TILT  
Light Source: [98] 4000K LEDS  
Ballast/Driver: [1] ELECTRONIC DRIVER

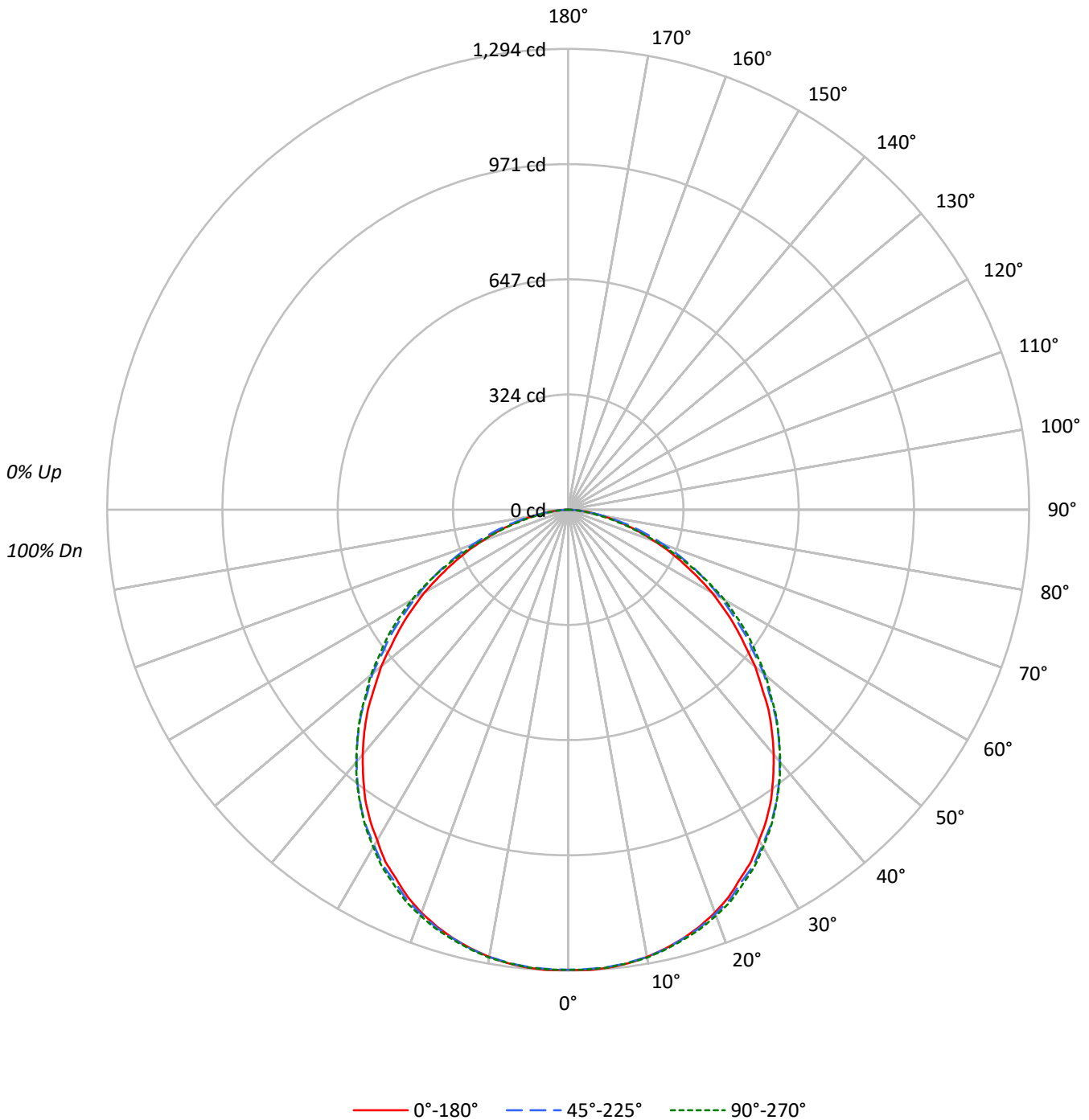
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3412.8 lumens  
Efficiency: N/A  
Efficacy: 92.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 0.32' x L: 1.88' x H: 0')  
CIE Type: Direct

Input Watts (W): 36.8  
Input Voltage (V): NR  
Input Current (Ain): 0.30775  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: 3 HR  
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	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	42	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28
10	54	41	33	28	53	40	33	28	39	33	28	39	32	28	38	32	28	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	22969	22969	22969
5°	23039	23003	23021
10°	23016	23016	23052
15°	22933	22951	23006
20°	22778	22854	22948
25°	22421	22597	22754
30°	22006	22355	22458
35°	21551	22028	22050
40°	20817	21444	21490
45°	19988	20717	20792
50°	18945	19830	19996
55°	17760	18721	19124
60°	16569	17564	18027
65°	15018	16406	16153
70°	13359	14762	13670
75°	11608	12776	11127
80°	9726	10135	8395
85°	7547	7343	5915



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.6	3.6
10°-20°	352.1	10.3
20°-30°	531.7	15.6
30°-40°	630.4	18.5
40°-50°	629.7	18.4
50°-60°	536.8	15.7
60°-70°	377.5	11.1
70°-80°	188.5	5.5
80°-90°	43.4	1.3
90°-100°	0.0	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°	1006.4	29.5
0°-40°	1636.9	48.0
0°-60°	2803.4	82.1
0°-90°	3412.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3412.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1292	1292	1292	1292	1292	
5°	1291	1292	1289	1289	1290	123
15°	1246	1247	1247	1248	1250	352
25°	1143	1147	1152	1158	1160	527
35°	993	1001	1015	1017	1016	619
45°	795	812	824	827	827	611
55°	573	594	604	615	617	512
65°	357	374	390	392	384	355
75°	169	182	186	169	162	182
85°	37	42	36	30	29	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1292	1292	1292	1292	1292
2.5°	1294	1293	1291	1290	1292
5°	1291	1292	1289	1289	1290
7.5°	1285	1286	1283	1283	1284
10°	1275	1275	1275	1274	1277
12.5°	1262	1263	1263	1262	1265
15°	1246	1247	1247	1248	1250
17.5°	1227	1229	1230	1232	1234
20°	1204	1206	1208	1212	1213
22.5°	1177	1182	1185	1190	1191
25°	1143	1147	1152	1158	1160
27.5°	1113	1117	1126	1131	1131
30°	1072	1080	1089	1093	1094
32.5°	1035	1042	1055	1059	1058
35°	993	1001	1015	1017	1016
37.5°	945	957	971	974	973
40°	897	910	924	927	926
42.5°	847	862	875	876	876
45°	795	812	824	827	827
47.5°	736	755	766	771	771
50°	685	705	717	722	723
52.5°	625	645	655	662	666
55°	573	594	604	615	617
57.5°	518	536	547	560	561
60°	466	483	494	507	507
62.5°	409	427	441	450	446
65°	357	374	390	392	384
67.5°	308	322	337	332	322
70°	257	272	284	272	263
72.5°	213	226	234	219	209
75°	169	182	186	169	162
77.5°	131	143	142	126	120
80°	95	104	99	86	82
82.5°	65	73	65	57	54
85°	37	42	36	30	29
87.5°	17	18	12	11	10
90°	0	0	0	0	0

(END OF REPORT)