

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: P14164

Luminaire Tested: **L80248040**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P14164  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L80248040  
Description: HALO SPAN LED WALL WASH WITH 0 DEG TILT  
Light Source: [98] 4000K LEDS  
Ballast/Driver: [1] ELECTRONIC DRIVER

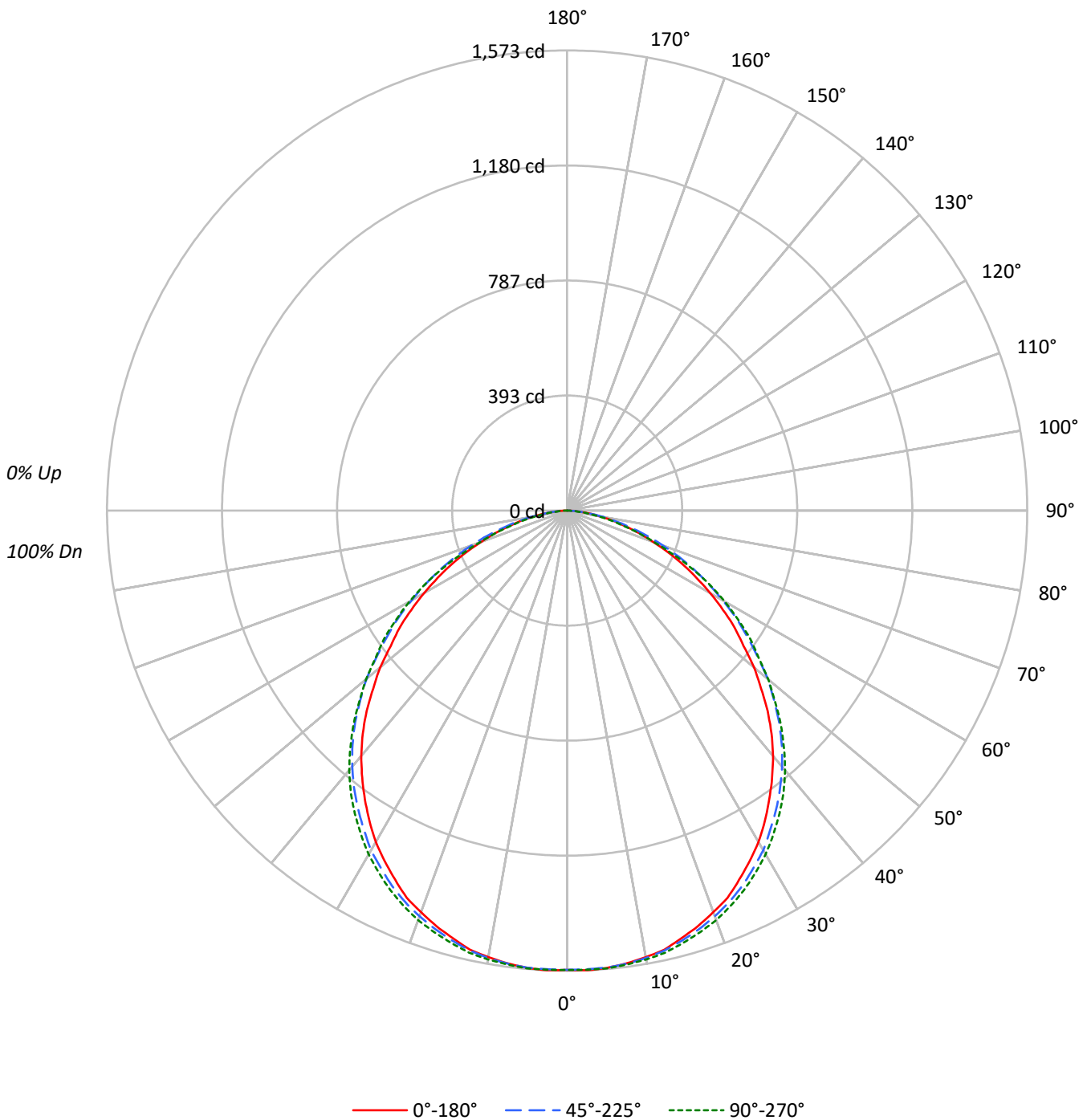
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4199.9 lumens  
Efficiency: N/A  
Efficacy: 85.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.36  
Luminous Opening: Rectangular (W 0.32' x L: 1.88' x H: 0')  
CIE Type: Direct

Input Watts (W): 49  
Input Voltage (V): NR  
Input Current (Ain): 0.40984  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: 13 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	86	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	47	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

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

	0°	45°	90°
0°	27911	27911	27911
5°	28000	27982	28036
10°	27981	28035	28125
15°	27847	27994	28160
20°	27640	27924	28189
25°	27305	27776	28070
30°	26851	27528	27857
35°	26152	27042	27454
40°	25412	26526	26897
45°	24362	25770	25971
50°	23066	24753	24809
55°	21696	23277	23680
60°	20089	21831	22151
65°	18383	20192	19897
70°	16269	18037	16529
75°	14012	15386	13394
80°	11774	12695	10443
85°	9179	8567	7343



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.2	3.6
10°-20°	429.6	10.2
20°-30°	651.2	15.5
30°-40°	776.2	18.5
40°-50°	780.0	18.6
50°-60°	664.3	15.8
60°-70°	465.4	11.1
70°-80°	230.7	5.5
80°-90°	53.2	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°	1230.0	29.3
0°-40°	2006.2	47.8
0°-60°	3450.5	82.2
0°-90°	4199.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4199.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1570	1570	1570	1570	1570	
5°	1569	1569	1568	1567	1571	149
15°	1513	1517	1521	1526	1530	427
25°	1392	1402	1416	1426	1431	641
35°	1205	1221	1246	1261	1265	754
45°	969	993	1025	1035	1033	746
55°	700	731	751	762	764	624
65°	437	469	480	482	473	432
75°	204	221	224	205	195	221
85°	45	51	42	37	36	55
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1570	1570	1570	1570	1570
2.5°	1573	1572	1569	1569	1571
5°	1569	1569	1568	1567	1571
7.5°	1561	1563	1562	1563	1565
10°	1550	1553	1553	1555	1558
12.5°	1537	1537	1540	1543	1548
15°	1513	1517	1521	1526	1530
17.5°	1489	1495	1500	1507	1511
20°	1461	1469	1476	1485	1490
22.5°	1433	1438	1448	1458	1462
25°	1392	1402	1416	1426	1431
27.5°	1351	1363	1378	1389	1395
30°	1308	1323	1341	1353	1357
32.5°	1258	1274	1293	1309	1312
35°	1205	1221	1246	1261	1265
37.5°	1151	1170	1196	1213	1215
40°	1095	1115	1143	1158	1159
42.5°	1034	1055	1086	1098	1097
45°	969	993	1025	1035	1033
47.5°	899	926	959	964	963
50°	834	863	895	899	897
52.5°	760	792	821	825	824
55°	700	731	751	762	764
57.5°	632	665	686	693	692
60°	565	598	614	623	623
62.5°	499	532	546	554	550
65°	437	469	480	482	473
67.5°	374	403	414	407	394
70°	313	336	347	332	318
72.5°	260	281	288	268	257
75°	204	221	224	205	195
77.5°	160	176	173	155	148
80°	115	128	124	107	102
82.5°	77	88	79	69	67
85°	45	51	42	37	36
87.5°	21	21	17	15	13
90°	0	0	0	0	0

(END OF REPORT)