

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: P14166

Luminaire Tested: **L80228030**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P14166
Test Lab: INNOVATION CENTER-P1
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80228030
Description: HALO SPAN LED WALL WASH WITH 0 DEG TILT
Light Source: [49] 3000K LEDS
Ballast/Driver: [1] ELECTRONIC DRIVER

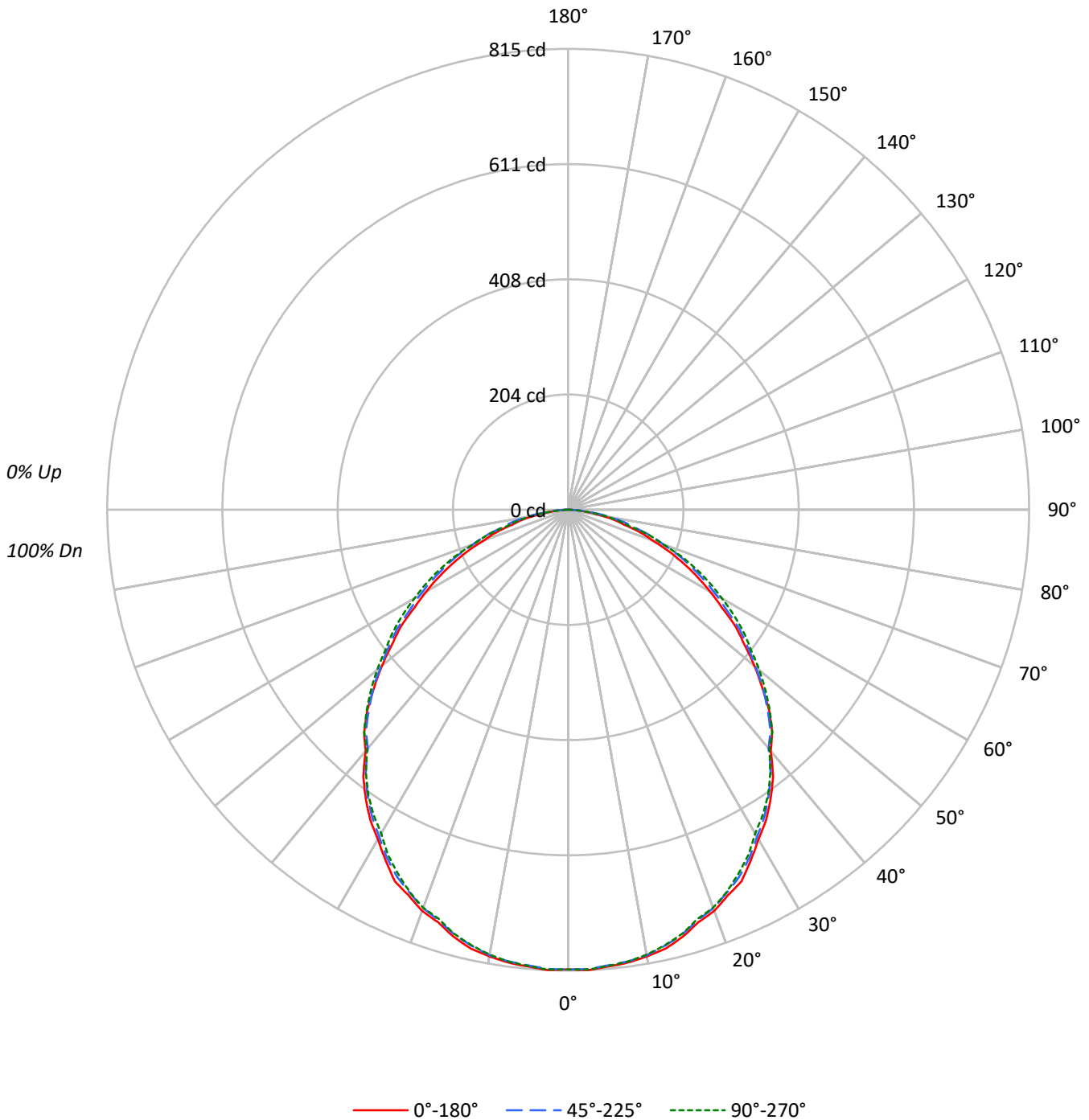
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2119.0 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.21 / 1.32
Luminous Opening: Rectangular (W 0.32' x L: 1.88' x H: 0')
CIE Type: Direct

Input Watts (W): 24.9
Input Voltage (V): NR
Input Current (Ain): 0.20891
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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	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	39	34	46	39	34	45	38	33	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°	14453	14453	14453
5°	14473	14437	14455
10°	14478	14442	14424
15°	14393	14319	14301
20°	14284	14189	14170
25°	14221	14045	13947
30°	13815	13713	13569
35°	13542	13412	13369
40°	12926	12787	12834
45°	12621	12521	12671
50°	11893	11976	12197
55°	11220	11468	11747
60°	10311	10773	11164
65°	9465	10180	10559
70°	8213	9304	9252
75°	7075	8243	7693
80°	6040	7576	6962
85°	4488	5915	4080



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.0	3.6
10°-20°	219.4	10.4
20°-30°	329.0	15.5
30°-40°	385.6	18.2
40°-50°	385.3	18.2
50°-60°	329.2	15.5
60°-70°	236.6	11.2
70°-80°	125.5	5.9
80°-90°	31.3	1.5
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°	625.4	29.5
0°-40°	1011.1	47.7
0°-60°	1725.6	81.4
0°-90°	2119.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2119.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	813	813	813	813	813	
5°	811	811	809	808	810	77
15°	782	781	778	776	777	220
25°	725	719	716	711	711	332
35°	624	624	618	613	616	389
45°	502	503	498	502	504	385
55°	362	363	370	377	379	321
65°	225	228	242	250	251	223
75°	103	108	120	117	112	113
85°	22	28	29	22	20	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	813	813	813	813	813
2.5°	815	814	813	812	814
5°	811	811	809	808	810
7.5°	808	808	806	805	806
10°	802	802	800	798	799
12.5°	795	793	790	788	789
15°	782	781	778	776	777
17.5°	765	763	761	759	759
20°	755	756	750	749	749
22.5°	738	737	733	730	732
25°	725	719	716	711	711
27.5°	699	698	694	688	689
30°	673	673	668	663	661
32.5°	651	650	645	639	640
35°	624	624	618	613	616
37.5°	595	595	588	585	587
40°	557	558	551	551	553
42.5°	534	536	529	530	534
45°	502	503	498	502	504
47.5°	465	467	467	472	473
50°	430	432	433	438	441
52.5°	393	398	400	407	407
55°	362	363	370	377	379
57.5°	322	324	333	341	347
60°	290	293	303	312	314
62.5°	258	260	272	282	283
65°	225	228	242	250	251
67.5°	193	198	211	218	218
70°	158	166	179	181	178
72.5°	134	141	153	155	151
75°	103	108	120	117	112
77.5°	84	91	101	96	91
80°	59	68	74	69	68
82.5°	40	48	52	45	43
85°	22	28	29	22	20
87.5°	9	14	11	5	5
90°	0	0	0	0	0

(END OF REPORT)