

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: P14162

Luminaire Tested: **L80238030**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P14162
Test Lab: INNOVATION CENTER-P1
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80238030
Description: HALO SPAN LED WALL WASH WITH 0 DEG TILT
Light Source: [98] 3000K LEDS
Ballast/Driver: [1] ELECTRONIC DRIVER

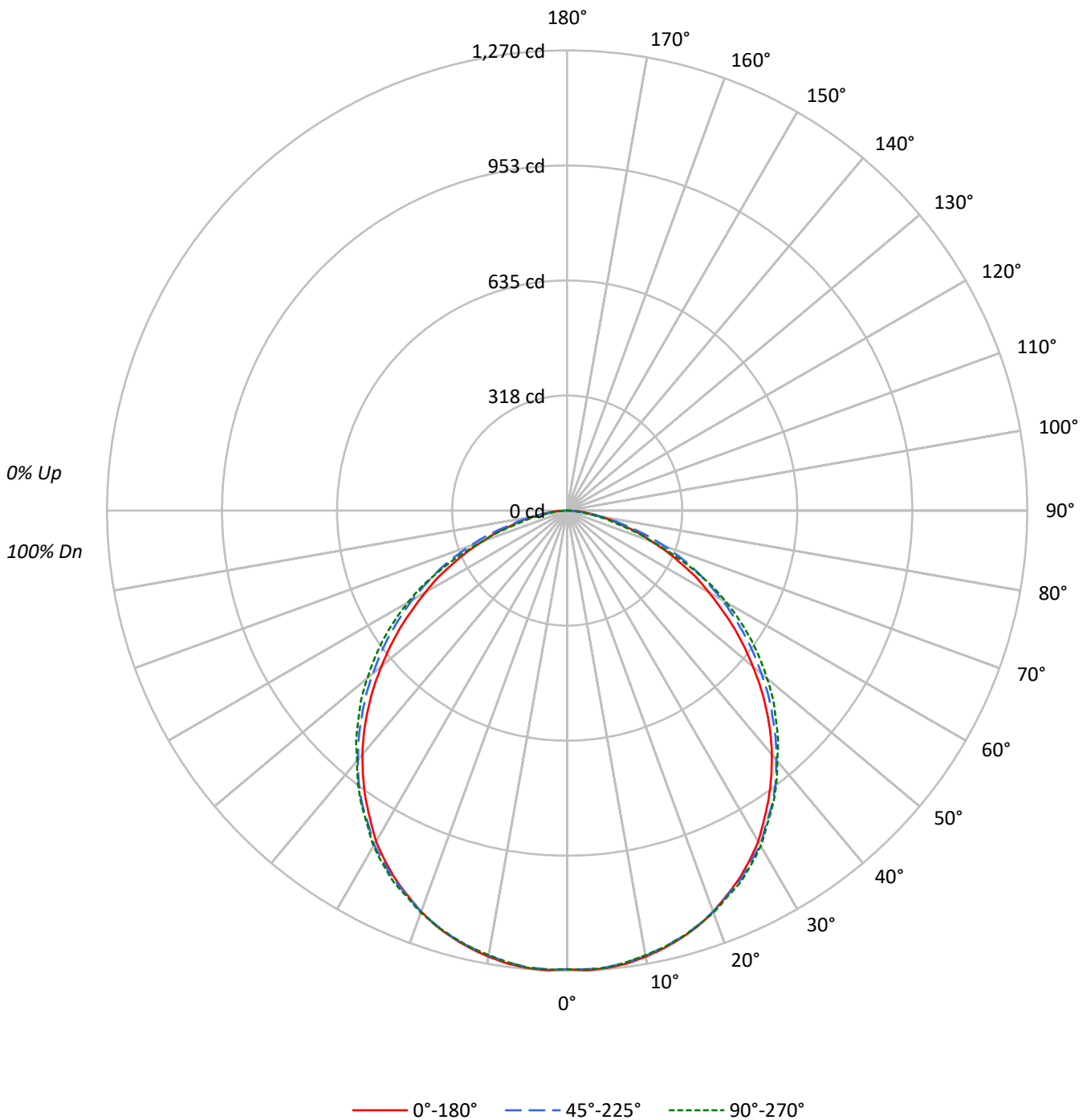
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3342.4 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.25 / 1.34
Luminous Opening: Rectangular (W 0.32' x L: 1.88' x H: 0')
CIE Type: Direct

Input Watts (W): 37
Input Voltage (V): NR
Input Current (Ain): 0.30973
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

TEST NUMBER: P14162
CATALOG NUMBER: L80238030

Luminous Intensity Polar Plot





TEST NUMBER: P14162
 CATALOG NUMBER: L80238030

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	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	43	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	48	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	35	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°	22507	22507	22507
5°	22611	22575	22593
10°	22565	22511	22493
15°	22472	22436	22436
20°	22286	22286	22343
25°	22009	22107	22205
30°	21657	21862	21944
35°	21052	21421	21486
40°	20399	20840	20933
45°	19560	20138	20490
50°	18503	19360	19913
55°	17388	18535	19186
60°	16071	17564	18062
65°	14639	16490	16111
70°	12839	14814	13099
75°	10921	12226	9960
80°	9214	9521	7678
85°	8771	6119	5915



TEST NUMBER: P14162
 CATALOG NUMBER: L80238030

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.2	3.6
10°-20°	344.0	10.3
20°-30°	518.7	15.5
30°-40°	614.1	18.4
40°-50°	617.1	18.5
50°-60°	531.4	15.9
60°-70°	374.3	11.2
70°-80°	182.4	5.5
80°-90°	40.1	1.2
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°	983.0	29.4
0°-40°	1597.1	47.8
0°-60°	2745.6	82.1
0°-90°	3342.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3342.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1266	1266	1266	1266	1266	
5°	1267	1266	1265	1263	1266	120
15°	1221	1221	1219	1218	1219	344
25°	1122	1126	1127	1132	1132	516
35°	970	976	987	990	990	606
45°	778	789	801	812	815	599
55°	561	579	598	615	619	501
65°	348	366	392	393	383	346
75°	159	178	178	156	145	175
85°	43	40	30	27	29	45
90°	0	0	0	0	0	



TEST NUMBER: P14162
 CATALOG NUMBER: L80238030

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1266	1266	1266	1266	1266
2.5°	1270	1270	1267	1267	1268
5°	1267	1266	1265	1263	1266
7.5°	1261	1260	1257	1256	1257
10°	1250	1251	1247	1246	1246
12.5°	1237	1238	1234	1233	1234
15°	1221	1221	1219	1218	1219
17.5°	1202	1201	1200	1200	1201
20°	1178	1179	1178	1179	1181
22.5°	1150	1151	1151	1153	1154
25°	1122	1126	1127	1132	1132
27.5°	1089	1091	1095	1101	1101
30°	1055	1058	1065	1067	1069
32.5°	1011	1015	1023	1027	1027
35°	970	976	987	990	990
37.5°	925	933	945	948	949
40°	879	885	898	901	902
42.5°	830	841	852	860	862
45°	778	789	801	812	815
47.5°	725	741	753	766	771
50°	669	686	700	717	720
52.5°	615	631	649	664	670
55°	561	579	598	615	619
57.5°	504	524	544	563	564
60°	452	471	494	510	508
62.5°	404	417	441	452	451
65°	348	366	392	393	383
67.5°	299	316	338	330	315
70°	247	267	285	266	252
72.5°	208	225	235	212	199
75°	159	178	178	156	145
77.5°	128	143	136	118	111
80°	90	104	93	80	75
82.5°	61	70	59	50	47
85°	43	40	30	27	29
87.5°	15	15	10	8	7
90°	0	0	0	0	0

(END OF REPORT)