

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: P184058

Luminaire Tested: **L80825SP9040P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184058
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26995)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80825SP9040P
Description: HALO TRACK L LED 08, 2500 LM, SPOT, WHITE

Light Source: EATON LED 4000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2711.6 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.21
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

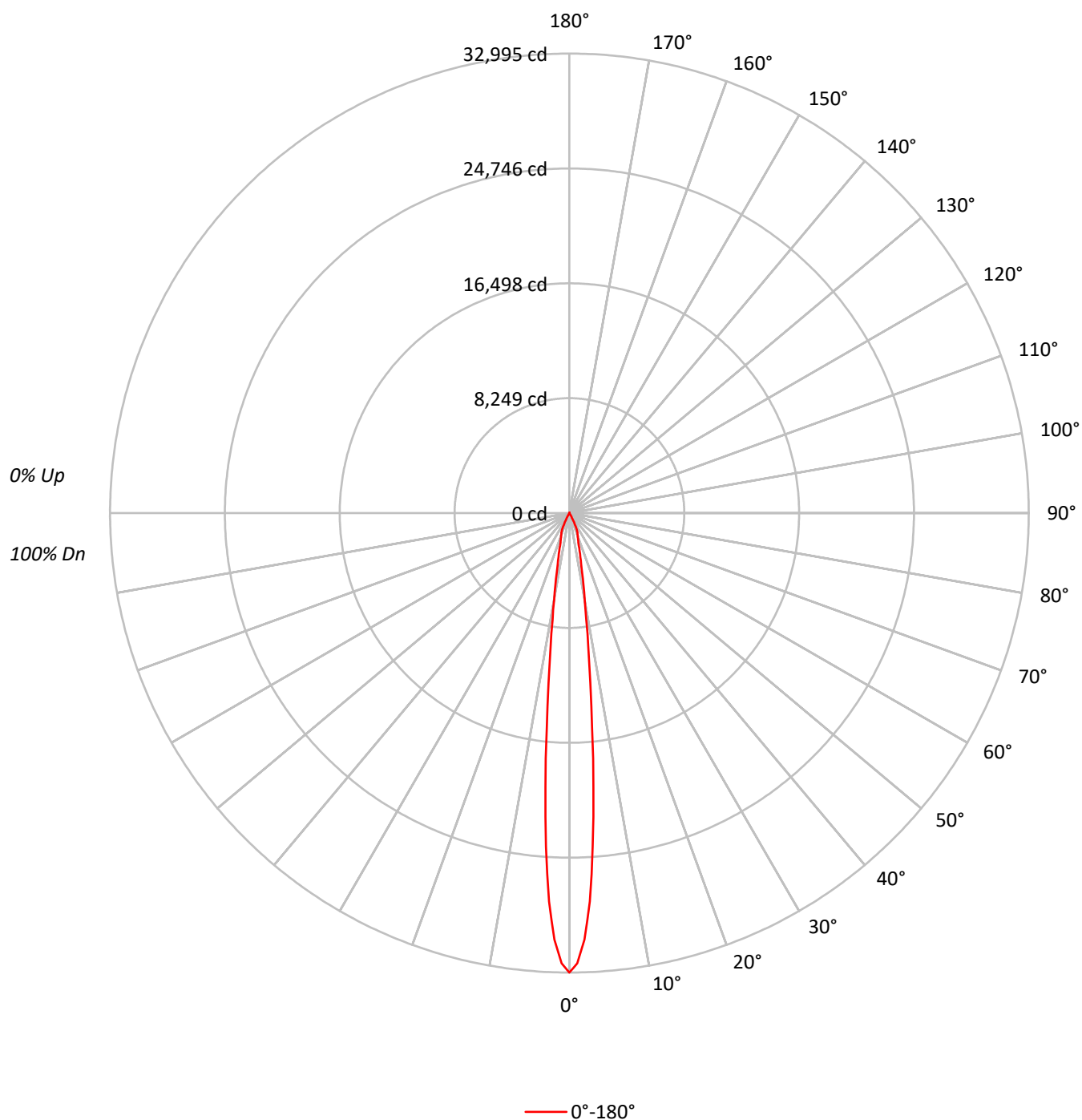
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10		
RCR																									
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1	115	114	112	110	113	111	110	109	107	106	105	104	103	102	100	100	99	98							
2	112	109	106	104	110	107	105	103	104	102	101	101	100	99	99	98	97	95							
3	109	105	102	99	108	104	101	99	101	99	97	99	97	96	97	96	94	93							
4	106	102	98	96	105	101	98	95	99	96	94	97	95	93	95	93	92	91							
5	104	99	95	92	103	98	95	92	96	94	91	95	93	91	94	92	90	89							
6	101	96	92	90	100	95	92	90	94	91	89	93	90	88	92	90	88	87							
7	99	94	90	88	98	93	90	87	92	89	87	91	88	87	90	88	86	85							
8	97	91	88	85	96	91	88	85	90	87	85	89	87	85	89	86	84	84							
9	95	89	86	84	94	89	86	83	88	85	83	88	85	83	87	85	83	82							
10	93	88	84	82	93	87	84	82	87	84	82	86	83	81	85	83	81	81							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4069777
5°	2445642
10°	791332
15°	358688
20°	229590
25°	144059
30°	24982
35°	1099
40°	193
45°	855
50°	1401
55°	0
60°	0
65°	700
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1409.7	52.0
10°-20°	841.2	31.0
20°-30°	436.6	16.1
30°-40°	19.1	0.7
40°-50°	2.0	0.1
50°-60°	1.0	0.0
60°-70°	0.6	0.0
70°-80°	0.6	0.0
80°-90°	1.3	0.0
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°	2687.5	99.1
0°-40°	2706.6	99.8
0°-60°	2709.7	99.9
0°-90°	2712.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2711.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	32995	
5°	19752	###
15°	2809	841
25°	1058	437
35°	7	19
45°	5	2
55°	0	1
65°	2	1
75°	0	1
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	32994.9
1°	32344.4
2°	30662.3
3°	27935.0
4°	24022.6
5°	19752.1
6°	15652.1
7°	12285.4
8°	9721.4
9°	7738.3
10°	6318.1
11°	5220.6
12°	4397.2
13°	3746.8
14°	3259.5
15°	2808.9
16°	2447.1
17°	2196.2
18°	1998.8
19°	1844.1
20°	1749.1
21°	1635.9
22°	1546.9
23°	1453.1
24°	1282.6
25°	1058.5
26°	817.3
27°	595.6
28°	393.4
29°	238.7
30°	175.4
32.5°	35.3
35°	7.3
37.5°	1.2
40°	1.2
42.5°	1.2
45°	4.9
47.5°	0.0
50°	7.3
52.5°	1.2
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	2.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.0
70°	0.0
72.5°	2.4
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	2.4
90°	0.0

(END OF REPORT)