

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: P184057

Luminaire Tested: **L80825SP9030P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184057
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: L80825SP9030P
Description: HALO TRACK L LED 08, 2500 LM, SPOT, WHITE

Light Source: EATON LED 3000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2404.1 lumens
Efficiency: N/A
Efficacy: 68.9 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

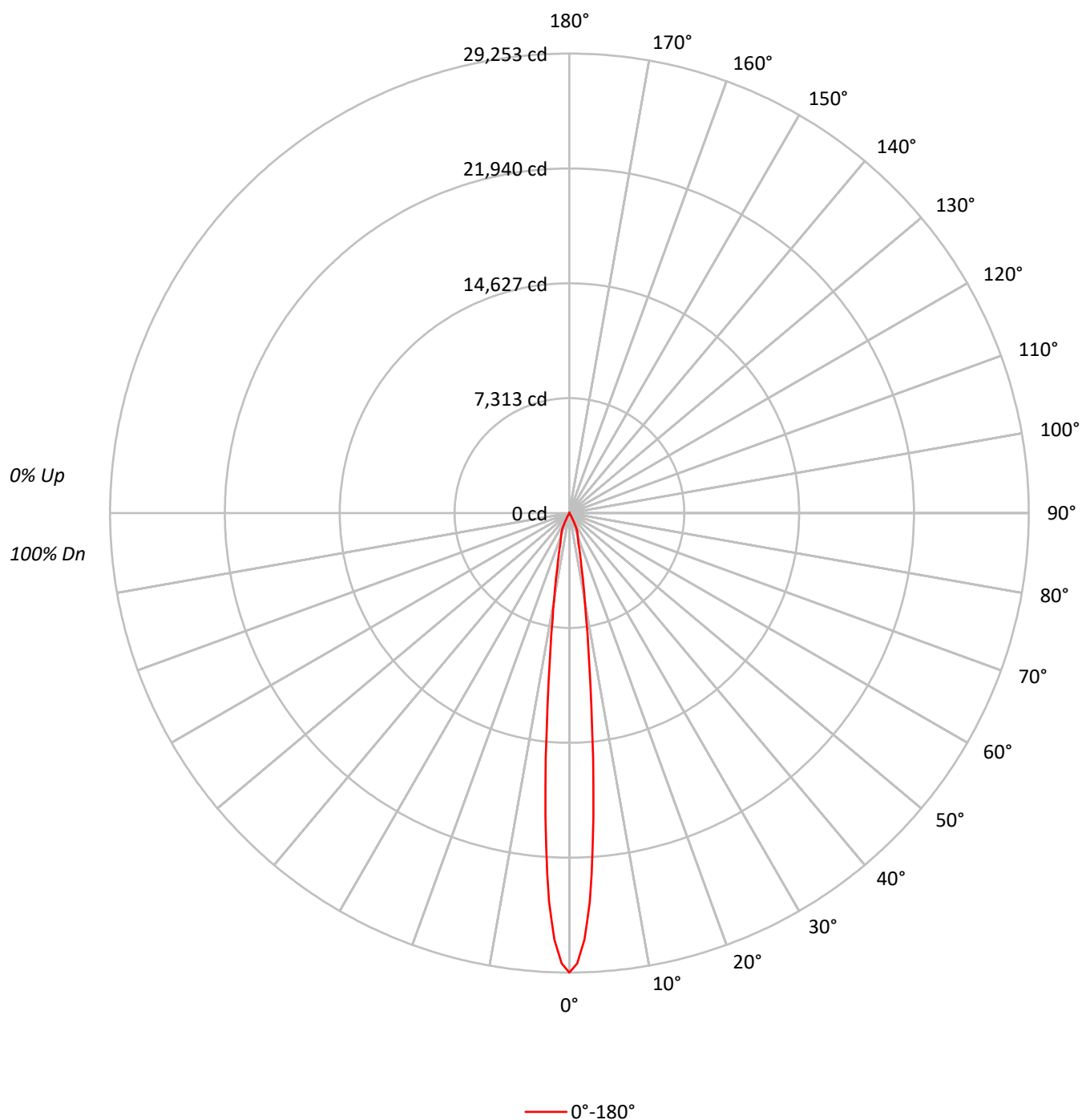
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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	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	80			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3608205
5°	2168267
10°	701579
15°	318003
20°	203561
25°	127713
30°	22147
35°	979
40°	177
45°	750
50°	1247
55°	0
60°	0
65°	642
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1249.9	52.0
10°-20°	745.8	31.0
20°-30°	387.0	16.1
30°-40°	17.0	0.7
40°-50°	1.8	0.1
50°-60°	0.9	0.0
60°-70°	0.5	0.0
70°-80°	0.6	0.0
80°-90°	1.2	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°	2382.7	99.1
0°-40°	2399.7	99.8
0°-60°	2402.4	99.9
0°-90°	2404.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2404.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	29253	
5°	17512	###
15°	2490	746
25°	938	387
35°	6	17
45°	4	2
55°	0	1
65°	2	1
75°	0	1
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	29252.8
1°	28676.1
2°	27184.7
3°	24766.8
4°	21298.1
5°	17511.9
6°	13876.9
7°	10892.0
8°	8618.8
9°	6860.7
10°	5601.5
11°	4628.5
12°	3898.5
13°	3321.8
14°	2889.9
15°	2490.3
16°	2169.6
17°	1947.1
18°	1772.1
19°	1635.0
20°	1550.8
21°	1450.3
22°	1371.5
23°	1288.3
24°	1137.2
25°	938.4
26°	724.6
27°	528.1
28°	348.8
29°	211.7
30°	155.5
32.5°	31.3
35°	6.5
37.5°	1.1
40°	1.1
42.5°	1.1
45°	4.3
47.5°	0.0
50°	6.5
52.5°	1.1
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	2.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.0
70°	0.0
72.5°	2.2
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	2.2
90°	0.0

(END OF REPORT)