

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: P184053

Luminaire Tested: **L80825SP9027MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184053
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27067)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80825SP9027MB
Description: HALO TRACK L LED 08, 2500 LM, SPOT, MATTE BLACK

Light Source: EATON LED 2700K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2194.0 lumens
Efficiency: N/A
Efficacy: 62.9 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

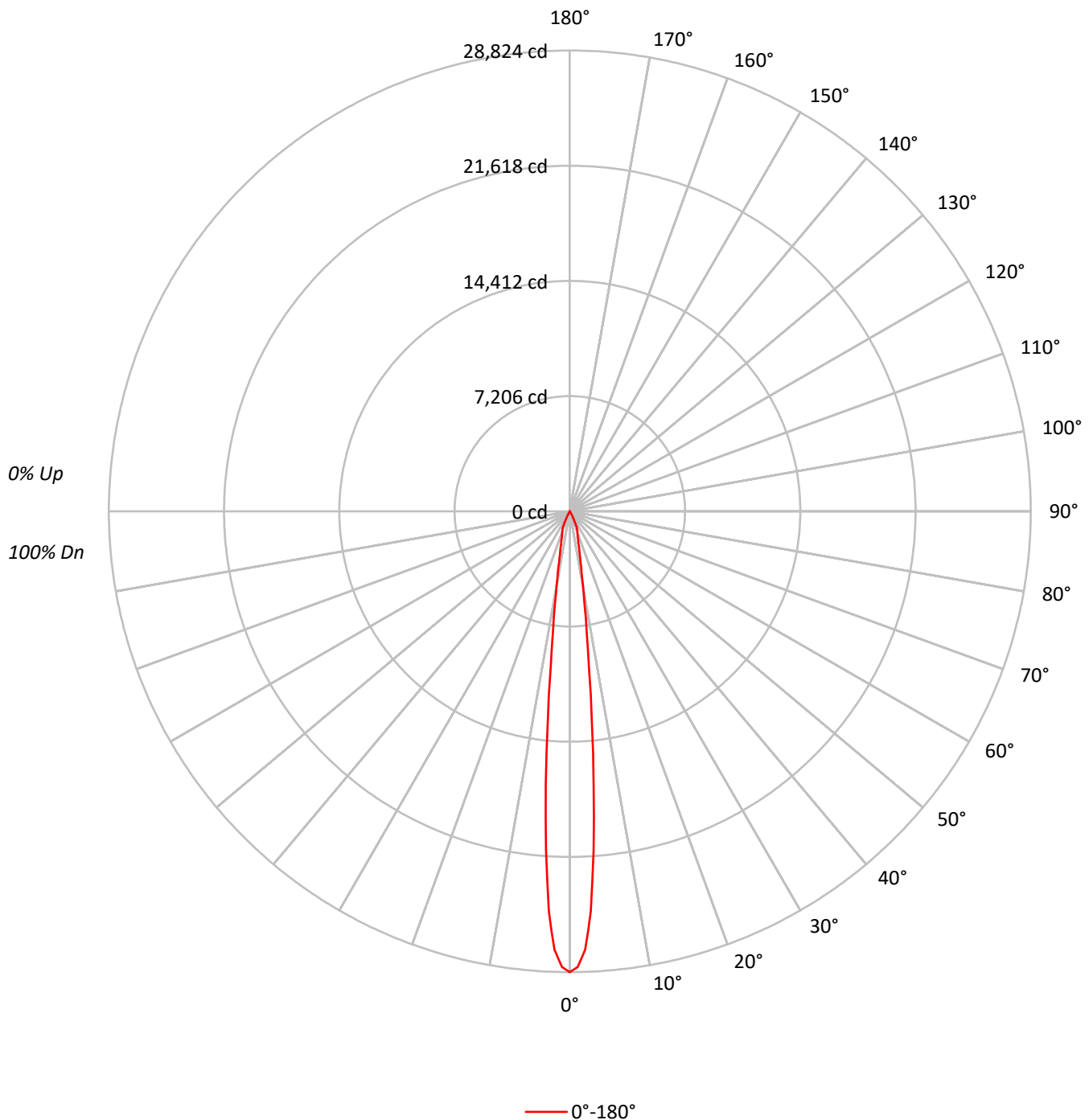
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		
R	C	R	C	R	R	C	R	C	R	C	R	C	R	C	R	C	R	C	R	C	R	C	R		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	97	97	97		
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	99	98	97	95	95	95		
2	112	109	106	104	110	107	105	103	104	102	101	101	100	99	99	98	97	97	96	94	93	93	93		
3	109	105	102	99	107	104	101	99	101	99	97	99	97	96	97	95	94	94	93	91	90	89	89		
4	106	102	98	96	105	101	98	95	99	96	94	97	95	93	95	94	92	92	91	89	88	87	87		
5	104	99	95	93	103	98	95	92	96	94	91	95	93	91	94	92	90	90	89	87	86	85	85		
6	102	96	93	90	100	96	92	90	94	91	89	93	91	89	92	90	88	88	87	85	84	83	83		
7	99	94	90	88	98	93	90	88	92	89	87	91	89	87	90	88	86	86	85	83	82	81	81		
8	97	92	88	86	96	91	88	86	90	87	85	90	87	85	89	86	84	84	83	81	80	79	79		
9	95	90	86	84	95	89	86	84	89	86	84	88	85	83	87	85	83	83	82	80	79	78	78		
10	94	88	85	82	93	88	84	82	87	84	82	86	84	82	86	84	82	82	81	79	78	77	77		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3555277
5°	2125711
10°	594905
15°	268534
20°	181784
25°	108877
30°	15097
35°	2861
40°	644
45°	1744
50°	576
55°	1075
60°	493
65°	1167
70°	1082
75°	4289
80°	710
85°	5661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1188.6	54.2
10°-20°	636.4	29.0
20°-30°	335.8	15.3
30°-40°	16.2	0.7
40°-50°	5.0	0.2
50°-60°	2.8	0.1
60°-70°	2.9	0.1
70°-80°	4.0	0.2
80°-90°	2.3	0.1
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°	2160.8	98.5
0°-40°	2177.1	99.2
0°-60°	2184.8	99.6
0°-90°	2194.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2194.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	28824	
5°	17168	###
15°	2103	636
25°	800	336
35°	19	16
45°	10	5
55°	5	3
65°	4	3
75°	9	4
85°	4	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	28823.7
1°	28508.7
2°	27434.8
3°	25040.9
4°	21267.1
5°	17168.2
6°	13197.4
7°	9896.6
8°	7599.7
9°	5965.7
10°	4749.8
11°	3879.8
12°	3247.9
13°	2776.9
14°	2408.9
15°	2102.9
16°	1871.9
17°	1694.9
18°	1569.9
19°	1459.9
20°	1384.9
21°	1306.9
22°	1235.9
23°	1120.0
24°	982.0
25°	800.0
26°	610.0
27°	446.0
28°	279.0
29°	179.0
30°	106.0
32.5°	33.0
35°	19.0
37.5°	3.0
40°	4.0
42.5°	3.0
45°	10.0
47.5°	9.0
50°	3.0
52.5°	3.0
55°	5.0
57.5°	2.0
60°	2.0
62.5°	2.0
65°	4.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.0
70°	3.0
72.5°	0.0
75°	9.0
77.5°	4.0
80°	1.0
82.5°	2.0
85°	4.0
87.5°	2.0
90°	0.0

(END OF REPORT)