

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: P184055

Luminaire Tested: **L80825SP9040MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184055
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: L80825SP9040MB
Description: HALO TRACK L LED 08, 2500 LM, SPOT, MATTE BLACK

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2672.7 lumens
Efficiency: N/A
Efficacy: 76.6 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

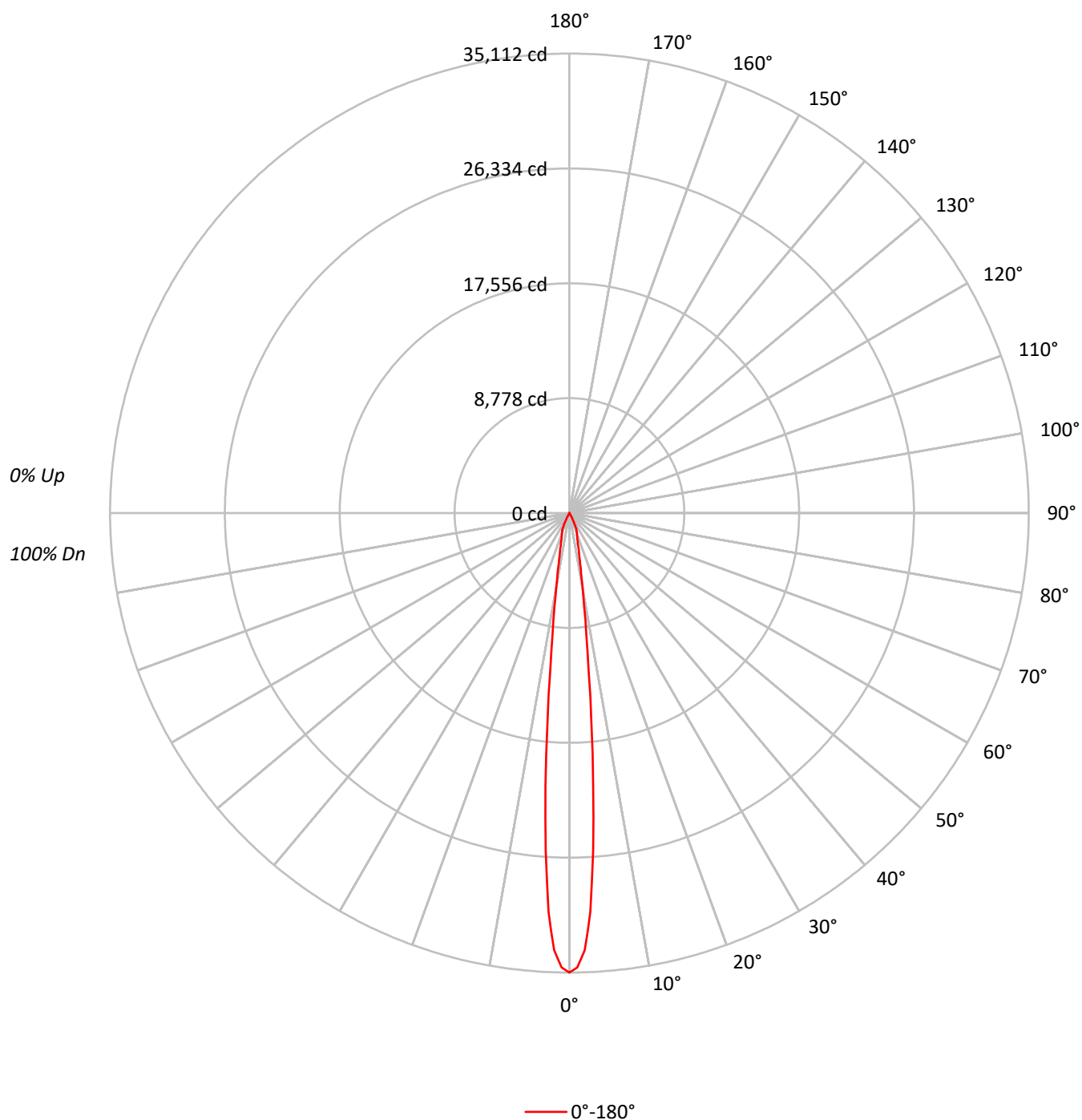
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4330887
5°	2589455
10°	724687
15°	327121
20°	221452
25°	132626
30°	18387
35°	3478
40°	789
45°	2128
50°	710
55°	1312
60°	592
65°	1430
70°	1334
75°	5242
80°	852
85°	6935



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1447.9	54.2
10°-20°	775.2	29.0
20°-30°	409.1	15.3
30°-40°	19.8	0.7
40°-50°	6.1	0.2
50°-60°	3.4	0.1
60°-70°	3.5	0.1
70°-80°	4.9	0.2
80°-90°	2.8	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°	2632.2	98.5
0°-40°	2652.0	99.2
0°-60°	2661.5	99.6
0°-90°	2672.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2672.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	35112	
5°	20914	###
15°	2562	775
25°	974	409
35°	23	20
45°	12	6
55°	6	3
65°	5	3
75°	11	5
85°	5	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	35111.8
1°	34728.1
2°	33419.8
3°	30503.7
4°	25906.6
5°	20913.6
6°	16076.5
7°	12055.6
8°	9257.6
9°	7267.2
10°	5786.0
11°	4726.2
12°	3956.4
13°	3382.7
14°	2934.4
15°	2561.7
16°	2280.3
17°	2064.7
18°	1912.4
19°	1778.4
20°	1687.1
21°	1592.1
22°	1505.6
23°	1364.3
24°	1196.2
25°	974.5
26°	743.0
27°	543.3
28°	339.9
29°	218.0
30°	129.1
32.5°	40.2
35°	23.1
37.5°	3.7
40°	4.9
42.5°	3.7
45°	12.2
47.5°	11.0
50°	3.7
52.5°	3.7
55°	6.1
57.5°	2.4
60°	2.4
62.5°	2.4
65°	4.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.7
70°	3.7
72.5°	0.0
75°	11.0
77.5°	4.9
80°	1.2
82.5°	2.4
85°	4.9
87.5°	2.4
90°	0.0

(END OF REPORT)