

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: P188909

Luminaire Tested: **L80825SP9035MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P188909
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: L80825SP9035MB
Description: HALO TRACK L LED 08, 2500 LM, SPOT, MATTE BLACK

Light Source: EATON LED 3500K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2528.4 lumens
Efficiency: N/A
Efficacy: 72.4 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

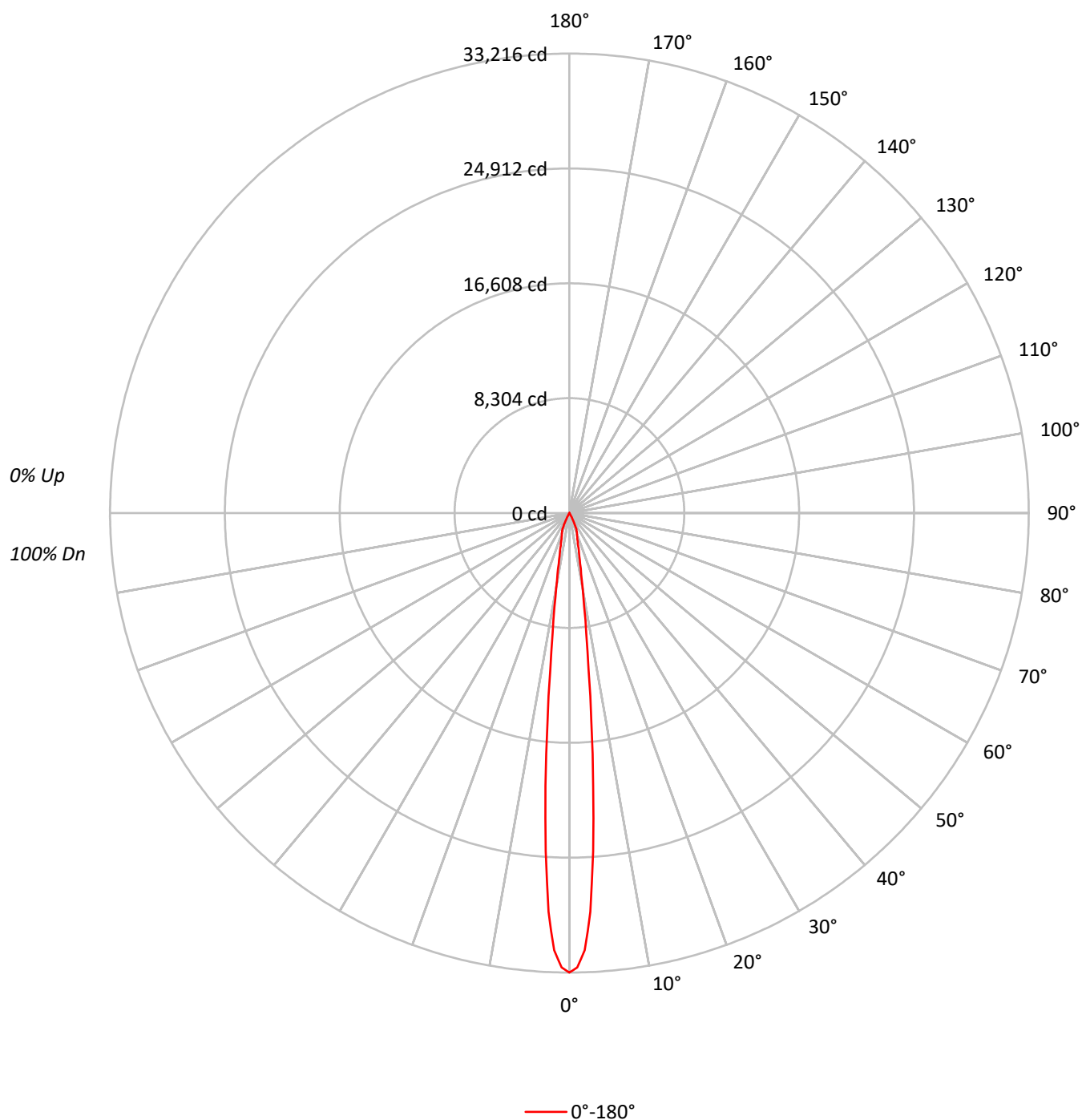
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4097036
5°	2449641
10°	685560
15°	309460
20°	209494
25°	125468
30°	17390
35°	3298
40°	741
45°	2006
50°	672
55°	1247
60°	567
65°	1343
70°	1262
75°	4956
80°	852
85°	6510



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1369.8	54.2
10°-20°	733.3	29.0
20°-30°	387.0	15.3
30°-40°	18.7	0.7
40°-50°	5.8	0.2
50°-60°	3.2	0.1
60°-70°	3.3	0.1
70°-80°	4.6	0.2
80°-90°	2.7	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°	2490.1	98.5
0°-40°	2508.8	99.2
0°-60°	2517.8	99.6
0°-90°	2528.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2528.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	33216	
5°	19784	###
15°	2423	733
25°	922	387
35°	22	19
45°	12	6
55°	6	3
65°	5	3
75°	10	5
85°	5	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	33215.9
1°	32852.9
2°	31615.3
3°	28856.6
4°	24507.8
5°	19784.4
6°	15208.5
7°	11404.6
8°	8757.7
9°	6874.8
10°	5473.6
11°	4471.0
12°	3742.8
13°	3200.0
14°	2776.0
15°	2423.4
16°	2157.2
17°	1953.2
18°	1809.2
19°	1682.4
20°	1596.0
21°	1506.1
22°	1424.3
23°	1290.6
24°	1131.6
25°	921.9
26°	702.9
27°	513.9
28°	321.5
29°	206.3
30°	122.1
32.5°	38.0
35°	21.9
37.5°	3.5
40°	4.6
42.5°	3.5
45°	11.5
47.5°	10.4
50°	3.5
52.5°	3.5
55°	5.8
57.5°	2.3
60°	2.3
62.5°	2.3
65°	4.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.5
70°	3.5
72.5°	0.0
75°	10.4
77.5°	4.6
80°	1.2
82.5°	2.3
85°	4.6
87.5°	2.3
90°	0.0

(END OF REPORT)