

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: P184066

Luminaire Tested: **L80825FL9030P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184066
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27019)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80825FL9030P
Description: HALO TRACK L LED 08, 2500 LM, FLOOD, WHITE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2292.9 lumens
Efficiency: N/A
Efficacy: 65.7 lumens/watt
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

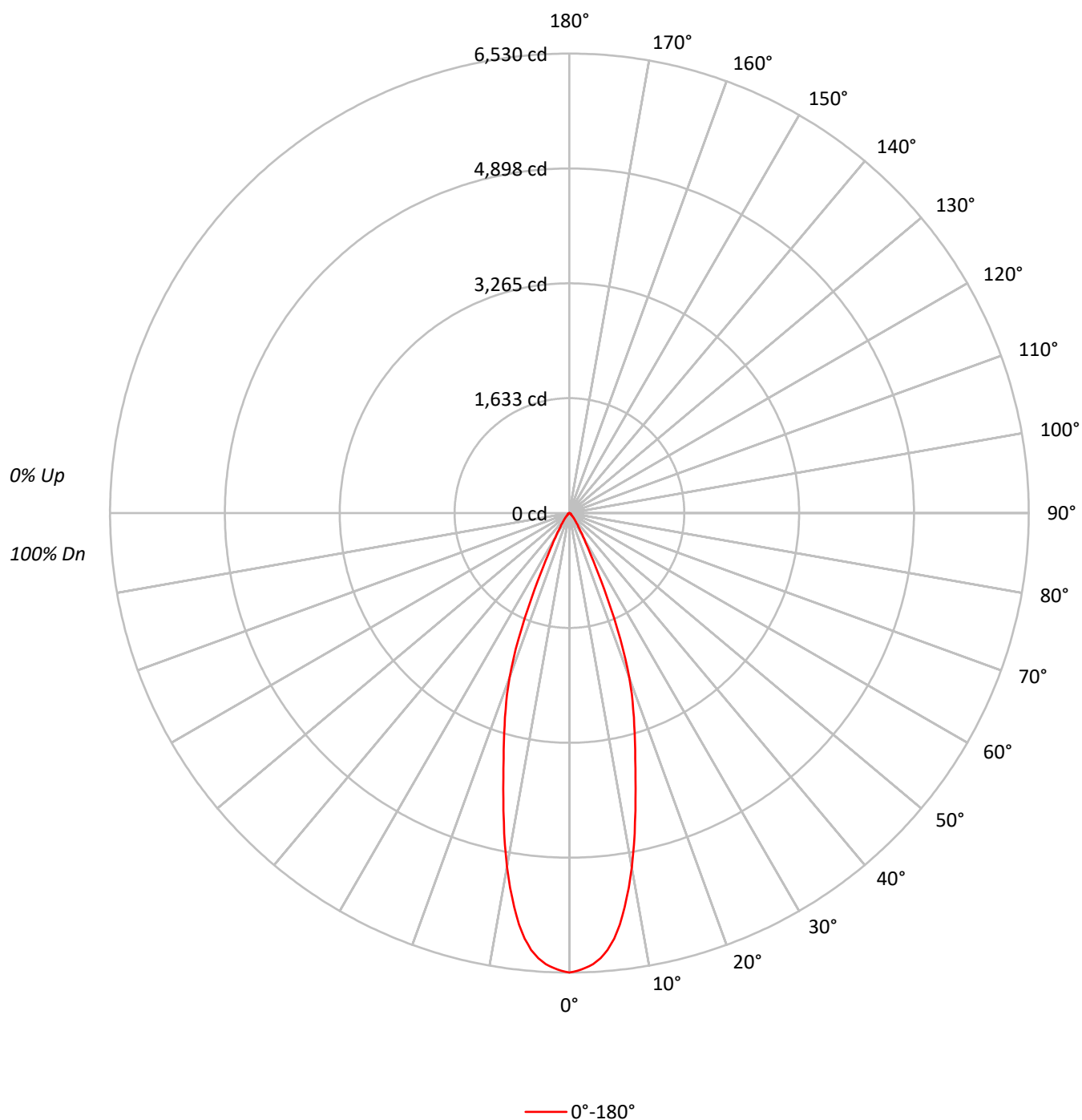
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96						96		
2	110	106	103	100	108	105	102	99	101	99	97	99	97	95	96	94	93	91						91		
3	106	101	97	94	104	100	96	93	97	94	92	95	92	90	93	91	89	87						87		
4	102	96	92	88	101	95	91	88	93	90	87	91	88	86	89	87	85	84						84		
5	99	92	87	84	97	91	87	84	89	86	83	88	85	82	86	84	82	80						80		
6	95	88	83	80	94	87	83	80	86	82	79	85	81	79	84	81	78	77						77		
7	92	85	80	77	91	84	80	76	83	79	76	82	78	76	81	78	75	74						74		
8	89	81	77	73	88	81	76	73	80	76	73	79	75	73	78	75	72	71						71		
9	86	78	74	71	85	78	74	71	77	73	70	76	73	70	76	72	70	69						69		
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	67	66						66		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1431815
5°	1371931
10°	1136853
15°	821094
20°	581564
25°	257458
30°	99585
35°	49603
40°	28224
45°	16467
50°	9995
55°	6232
60°	4298
65°	2802
70°	2116
75°	1864
80°	1389
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	558.6	24.4
10°-20°	1008.3	44.0
20°-30°	532.3	23.2
30°-40°	126.4	5.5
40°-50°	43.5	1.9
50°-60°	15.7	0.7
60°-70°	5.9	0.3
70°-80°	2.0	0.1
80°-90°	0.1	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°	2099.2	91.6
0°-40°	2225.6	97.1
0°-60°	2284.8	99.6
0°-90°	2292.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2292.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6530	
5°	6233	559
15°	3617	1008
25°	1064	532
35°	185	126
45°	53	44
55°	16	16
65°	5	6
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6529.6
1°	6506.8
2°	6468.9
3°	6417.9
4°	6342.1
5°	6232.7
6°	6083.1
7°	5892.4
8°	5650.8
9°	5389.6
10°	5105.7
11°	4805.6
12°	4487.0
13°	4177.1
14°	3883.5
15°	3616.9
16°	3378.5
17°	3153.2
18°	2936.5
19°	2727.3
20°	2492.2
21°	2226.7
22°	1930.9
23°	1625.3
24°	1332.8
25°	1064.1
26°	844.1
27°	680.5
28°	563.5
29°	473.5
30°	393.3
32.5°	261.1
35°	185.3
37.5°	134.4
40°	98.6
42.5°	72.6
45°	53.1
47.5°	39.0
50°	29.3
52.5°	21.7
55°	16.3
57.5°	13.0
60°	9.8
62.5°	7.6
65°	5.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.3
70°	3.3
72.5°	2.2
75°	2.2
77.5°	1.1
80°	1.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)