

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: P553831

Luminaire Tested: **L80925SP940MB**

Issue Date: 7/16/2021

Test Information

Test Method: LM-41-14
Report Number: P553831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-226-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80925SP940MB
Description: SPOT OPTIC
Light Source: 2500 LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

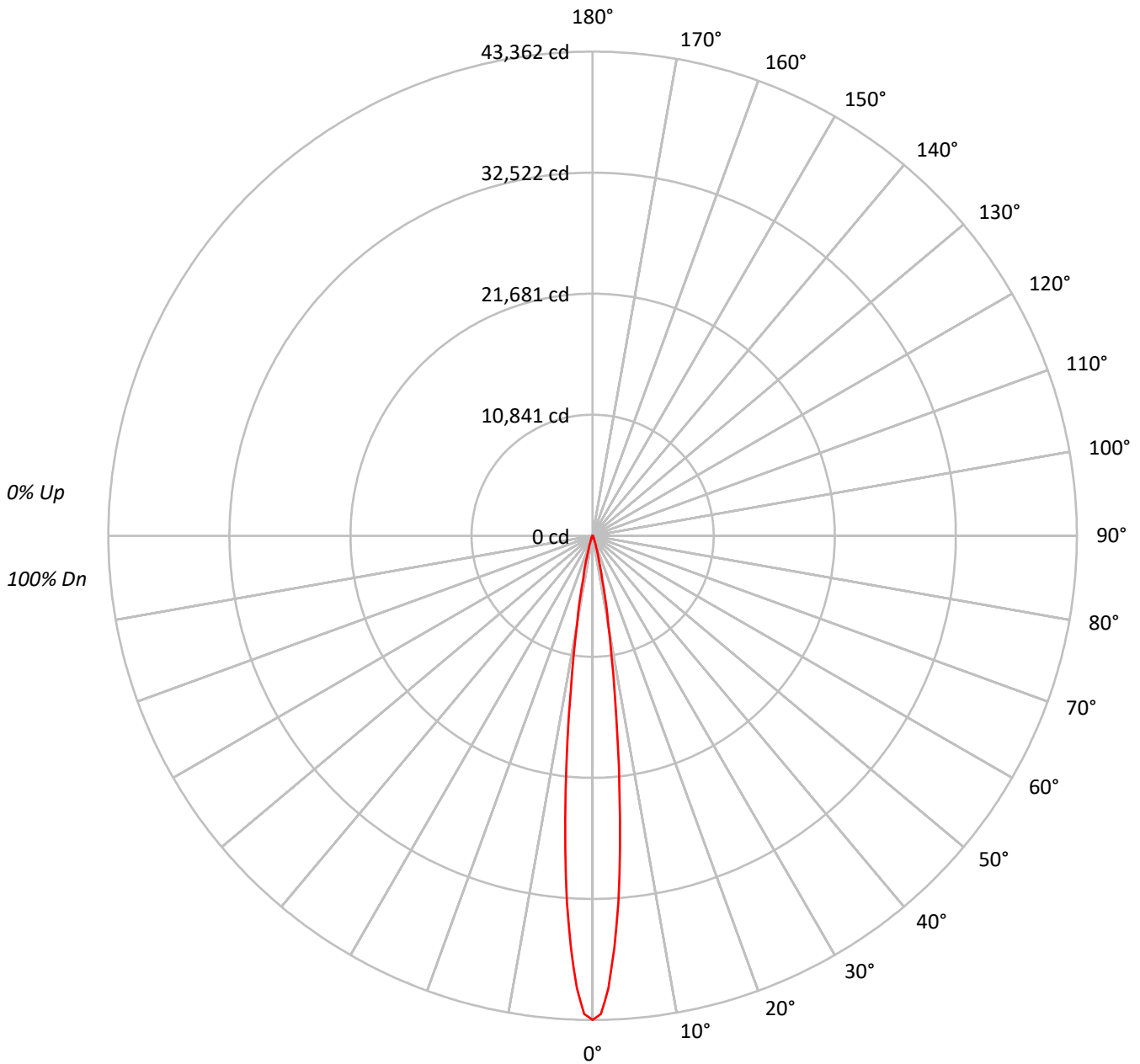
Lumens per Lamp: N/A
Luminaire Lumens: 2876.1 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.22
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 22
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



TEST NUMBER: P553831
CATALOG NUMBER: L80925SP940MB

Luminous Intensity Polar Plot





TEST NUMBER: P553831

CATALOG NUMBER: L80925SP940MB

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	116	114	113	111	114	112	111	109	108	107	106	104	104	103	101	101	100	98
2	113	110	108	106	111	108	106	104	105	104	102	103	101	100	100	99	98	97
3	110	107	104	102	109	106	103	101	103	101	99	101	99	98	99	98	96	95
4	108	104	101	99	107	103	100	98	101	99	97	99	97	96	98	96	95	94
5	106	102	98	96	105	101	98	96	99	97	95	98	96	94	97	95	94	93
6	104	100	96	94	103	99	96	94	98	95	93	97	94	93	96	94	92	91
7	103	98	95	93	102	97	94	92	96	94	92	95	93	91	94	93	91	90
8	101	96	93	91	100	96	93	91	95	92	91	94	92	90	93	91	90	89
9	100	95	92	90	99	94	92	90	94	91	89	93	91	89	92	90	89	88
10	98	93	91	89	98	93	90	89	93	90	88	92	90	88	92	90	88	87

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	9508558
5°	6187987
10°	1779771
15°	433374
20°	139662
25°	59350
30°	29650
35°	17159
40°	10992
45°	7939
50°	5629
55°	4893
60°	4824
65°	4774
70°	3526
75°	0
80°	0
85°	0



TEST NUMBER: P553831
 CATALOG NUMBER: L80925SP940MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1974.9	68.7
10°-20°	691.3	24.0
20°-30°	125.9	4.4
30°-40°	42.3	1.5
40°-50°	20.0	0.7
50°-60°	12.1	0.4
60°-70°	8.4	0.3
70°-80°	1.2	0.0
80°-90°	0.0	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°	2792.2	97.1
0°-40°	2834.5	98.6
0°-60°	2866.5	99.7
0°-90°	2876.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2876.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	43362	
5°	28112	###
15°	1909	691
25°	245	126
35°	64	42
45°	26	20
55°	13	12
65°	9	8
75°	0	1
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	



TEST NUMBER: P553831

CATALOG NUMBER: L80925SP940MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	43362.5
1°	42846.4
2°	40538.3
3°	36972.8
4°	32916.8
5°	28112.1
6°	23100.7
7°	18418.7
8°	14141.2
9°	10802.6
10°	7993.1
12.5°	3876.7
15°	1909.0
17.5°	1041.5
20°	598.5
22.5°	371.6
25°	245.3
27.5°	166.6
30°	117.1
32.5°	86.0
35°	64.1
37.5°	47.6
40°	38.4
42.5°	31.1
45°	25.6
47.5°	20.1
50°	16.5
52.5°	14.6
55°	12.8
57.5°	12.8
60°	11.0
62.5°	9.2
65°	9.2
67.5°	7.3
70°	5.5
72.5°	1.8
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



TEST NUMBER: P553831

CATALOG NUMBER: L80925SP940MB

CANDELA DISTRIBUTION (continued):

	0°
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







92.5°		0.0
95°		0.0



(END OF REPORT)