

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: SURE-LITES

Report Number: P26435

Luminaire Tested: **SELM50**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P26435
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SURE-LITES
Catalog Number: SELM50
Description: SURE-LITES WHITE EMERGENCY LIGHT HEAD OPERATED AT 300mA
Light Source: (1) SURE-LITES 5000K LED
NFSW757DT-V1(2100)
Ballast/Driver: (1) AGILENT DC POWER SUPPLY
IN0011

Summary

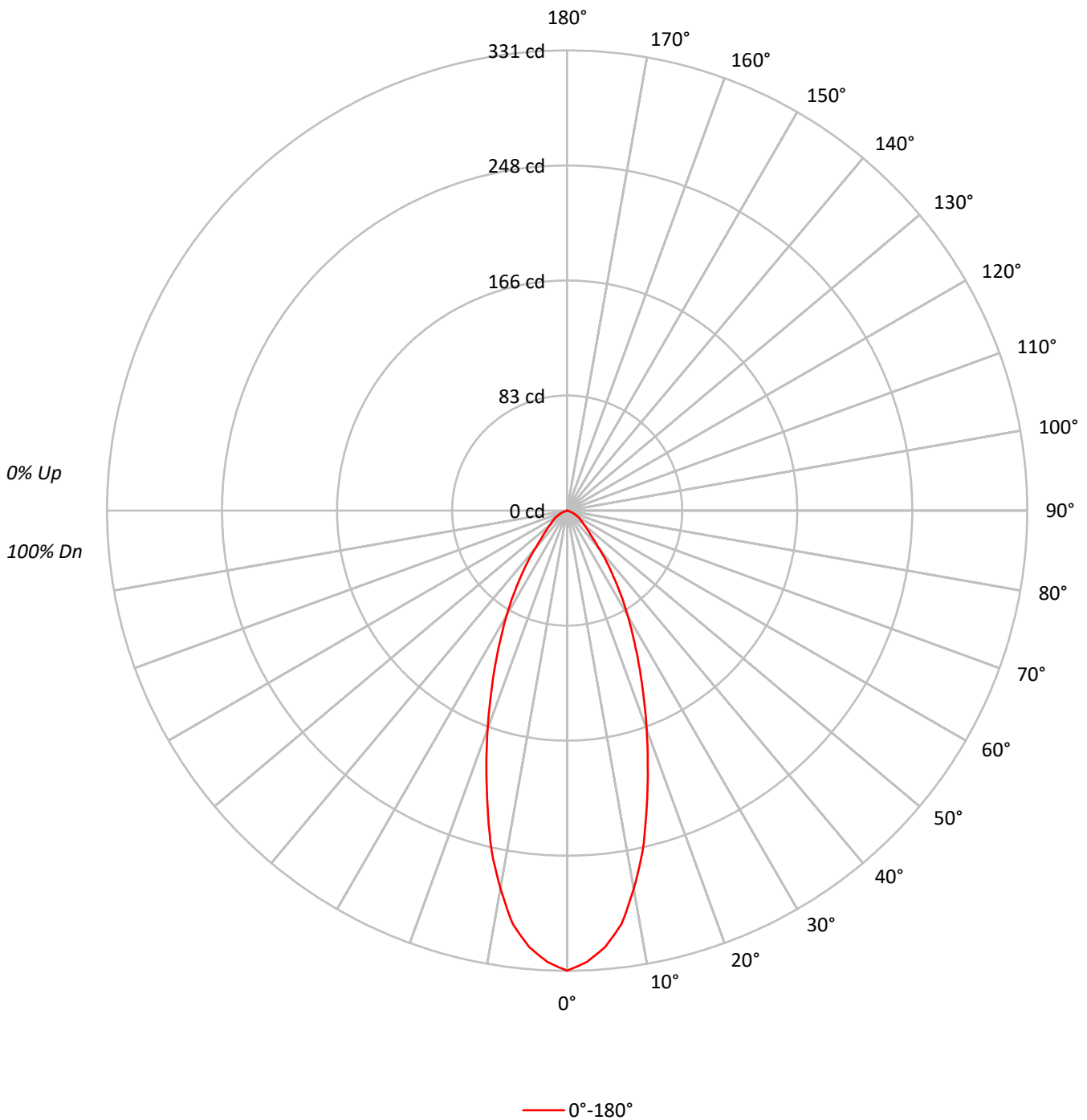
Lumens per Lamp: N/A
Luminaire Lumens: 218.6 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Spacing Criteria (0/90/45): 0.64 / 0.64 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 2.3
Input Voltage (V): NR
Input Current (A_{in}): 0.37493
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): DC
Stabilization Time: NR
Operation Time: 1 HR
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	86
3	101	95	89	85	99	93	88	84	91	86	83		88	85	82		86	83	81	79
4	96	88	82	78	94	87	81	77	85	80	76		83	79	76		81	77	75	73
5	91	82	76	72	89	81	76	71	79	74	71		78	73	70		76	72	69	68
6	86	77	71	66	85	76	70	66	75	70	66		73	69	65		72	68	65	63
7	82	73	66	62	81	72	66	62	71	65	61		69	65	61		68	64	61	59
8	78	68	62	58	77	68	62	58	67	61	58		66	61	57		65	60	57	56
9	75	65	59	55	73	64	58	55	63	58	54		62	58	54		61	57	54	53
10	71	61	55	52	70	61	55	51	60	55	51		59	55	51		59	54	51	50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	72582
5°	69337
10°	61455
15°	50171
20°	38970
25°	29518
30°	22029
35°	15526
40°	10305
45°	7133
50°	5458
55°	4588
60°	3947
65°	3113
70°	1282
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.9	13.2
10°-20°	61.2	28.0
20°-30°	56.2	25.7
30°-40°	36.8	16.8
40°-50°	18.4	8.4
50°-60°	11.0	5.1
60°-70°	5.5	2.5
70°-80°	0.5	0.2
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°	146.3	66.9
0°-40°	183.1	83.8
0°-60°	212.6	97.2
0°-90°	218.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	218.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	331	
5°	315	29
15°	221	61
25°	122	56
35°	58	37
45°	23	18
55°	12	11
65°	6	6
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	331
2.5°	325
5°	315
7.5°	300
10°	276
12.5°	251
15°	221
17.5°	193
20°	167
22.5°	143
25°	122
27.5°	103
30°	87
32.5°	72
35°	58
37.5°	47
40°	36
42.5°	28
45°	23
47.5°	19
50°	16
52.5°	14
55°	12
57.5°	11
60°	9
62.5°	7
65°	6
67.5°	4
70°	2
72.5°	1
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0

(END OF REPORT)