

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: SHAPER

Report Number: P34245

Luminaire Tested: **150-24-PSJCAC-L1/835-UNV-ENS**

Test Date: 06/25/15

Test Information

Test Method: LM-79-08
Report Number: P34245
Test Lab: INNOVATION CENTER-P3
Test Date: 06/25/15
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 150-24-PSJCAC-L1/835-UNV-ENS
Description: SHAPER 150 WITH BLUE SHADE.
Light Source: (1) COOPER LIGHTING LEDS
12519000
Ballast/Driver: (1) ROAL ELECTRONIC DRIVER
ML56 DL ENGINE

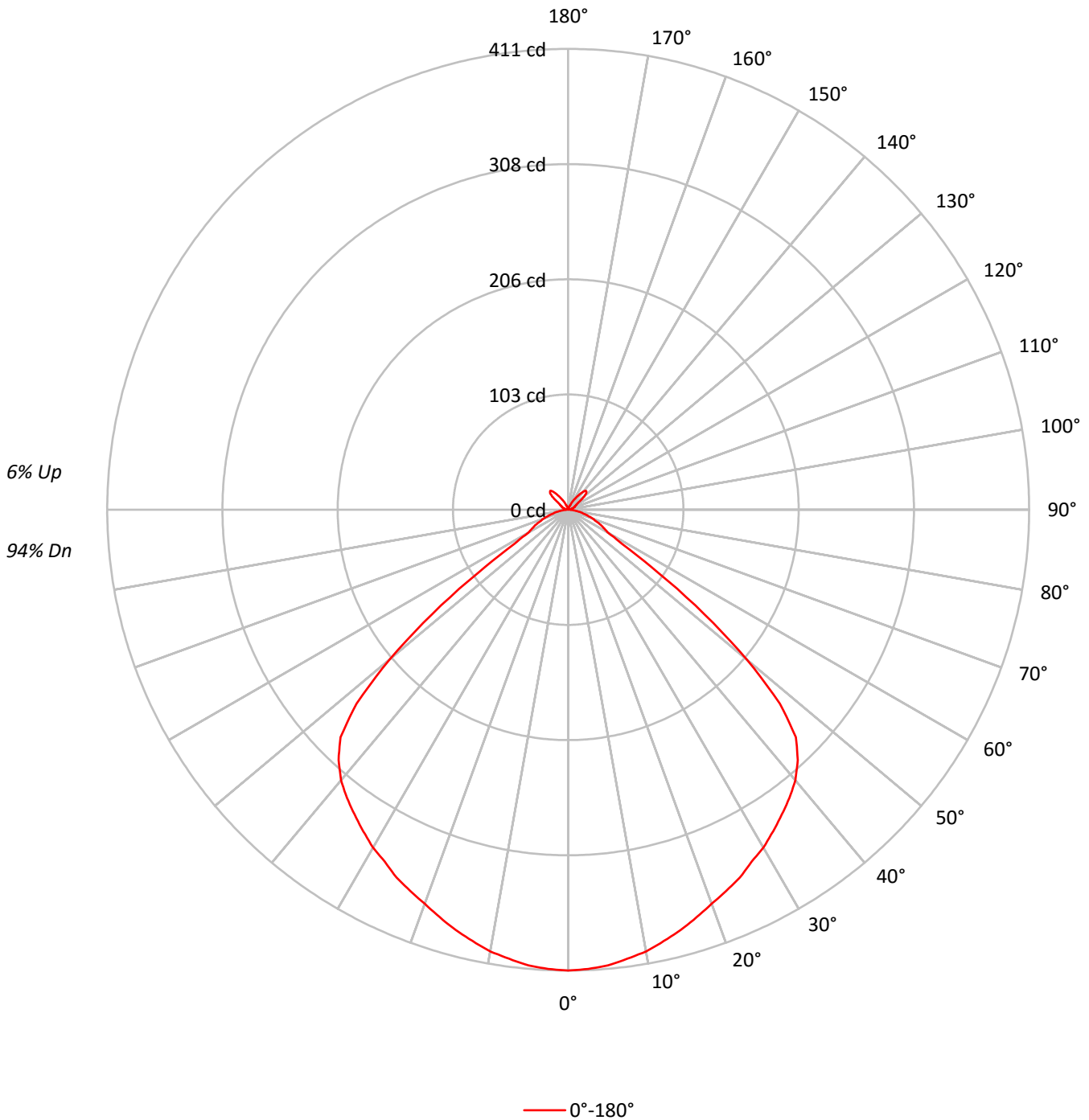
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 935.7 lumens
Efficiency: N/A
Efficacy: 56.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.41
Luminous Opening: Vertical Cylinder (Dia: 2' x H: 1')
CIE Type: Direct

Input Watts (W): 16.7
Input Voltage (V): 120.0
Input Current (Ain): 0.140
Voltage Rise (V): NR
Power Factor: 0.9993
Total Harmonic Distortion (THDi): 7.95
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: HR
Ambient Temperature (°C): 24.9
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	118	118	118	118	114	114	114	114	108	108	108		102	102	102		97	97	97	94
1	110	106	103	100	107	103	100	98	98	96	94		93	92	90		89	88	86	84
2	102	95	90	85	99	93	88	84	89	84	81		85	81	78		81	78	76	74
3	94	85	79	73	91	83	77	72	80	75	70		77	72	68		73	70	67	65
4	87	77	69	64	85	75	68	63	72	66	62		69	64	60		67	62	59	57
5	81	70	62	56	78	68	61	55	66	59	54		63	58	53		61	56	52	50
6	75	63	55	50	73	62	55	49	60	53	48		58	52	48		56	51	47	45
7	70	58	50	44	68	57	49	44	55	48	43		53	47	43		51	46	42	40
8	65	53	45	40	63	52	45	39	50	44	39		49	43	38		47	42	38	36
9	61	49	41	36	59	48	41	36	46	40	35		45	39	35		44	38	34	33
10	57	45	38	33	56	44	37	32	43	36	32		42	36	32		40	35	31	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1408
5°	1329
10°	1251
15°	1176
20°	1107
25°	1055
30°	1007
35°	960
40°	918
45°	850
50°	630
55°	307
60°	134
65°	110
70°	84
75°	59
80°	39
85°	14



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.7	4.1
10°-20°	109.5	11.7
20°-30°	166.8	17.8
30°-40°	208.1	22.2
40°-50°	213.4	22.8
50°-60°	95.5	10.2
60°-70°	31.4	3.4
70°-80°	16.3	1.7
80°-90°	4.1	0.4
90°-100°	1.5	0.2
100°-110°	3.6	0.4
110°-120°	6.3	0.7
120°-130°	10.8	1.2
130°-140°	17.0	1.8
140°-150°	9.6	1.0
150°-160°	2.8	0.3
160°-170°	0.4	0.0
170°-180°	0.0	0.0
0°-30°	315.0	33.7
0°-40°	523.1	55.9
0°-60°	831.9	88.9
0°-90°	883.7	94.4
90°-120°	11.4	1.2
90°-150°	48.8	5.2
90°-180°	52.0	5.6
0°-180°	935.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	411	
5°	408	39
15°	388	109
25°	362	167
35°	332	208
45°	287	213
55°	98	95
65°	32	31
75°	15	16
85°	3	4
90°	1	1
95°	1	1
105°	3	4
115°	6	6
125°	11	11
135°	23	17
145°	15	10
155°	5	3
165°	1	0
175°	0	0
180°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	411
2.5°	410
5°	408
7.5°	404
10°	400
12.5°	394
15°	388
17.5°	381
20°	374
22.5°	368
25°	362
27.5°	354
30°	348
32.5°	340
35°	332
37.5°	324
40°	315
42.5°	303
45°	287
47.5°	256
50°	208
52.5°	153
55°	98
57.5°	57
60°	41
62.5°	36
65°	32
67.5°	27
70°	23
72.5°	19
75°	15
77.5°	12
80°	9
82.5°	6
85°	3
87.5°	1
90°	1
92.5°	1
95°	1
97.5°	2
100°	2
102.5°	3
105°	3
107.5°	4
110°	5



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	6
115°	6
117.5°	7
120°	8
122.5°	9
125°	11
127.5°	15
130°	19
132.5°	22
135°	23
137.5°	23
140°	21
142.5°	18
145°	15
147.5°	12
150°	10
152.5°	8
155°	5
157.5°	4
160°	3
162.5°	2
165°	1
167.5°	0
170°	0
172.5°	0
175°	0
177.5°	0
180°	0

(END OF REPORT)