

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: P34341

Luminaire Tested: **142-30-P1S-L5/835-UNV-NA-24**

Test Date: 08/07/15

**Test Information**

Test Method: LM-79-08  
Report Number: P34341  
Test Lab: INNOVATION CENTER-P3  
Test Date: 08/07/15  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: SHAPER  
Catalog Number: 142-30-P1S-L5/835-UNV-NA-24  
Description: SHAPER 142 SERIES 30" FABRIQUE DRUM PENDANT LUMINAIRE  
Light Source: 15 CKTS 3500K LEDS  
12441843  
Ballast/Driver: (2) HATCH ELECTRONIC DRIVER  
LC25-1050Z-UNV-Q

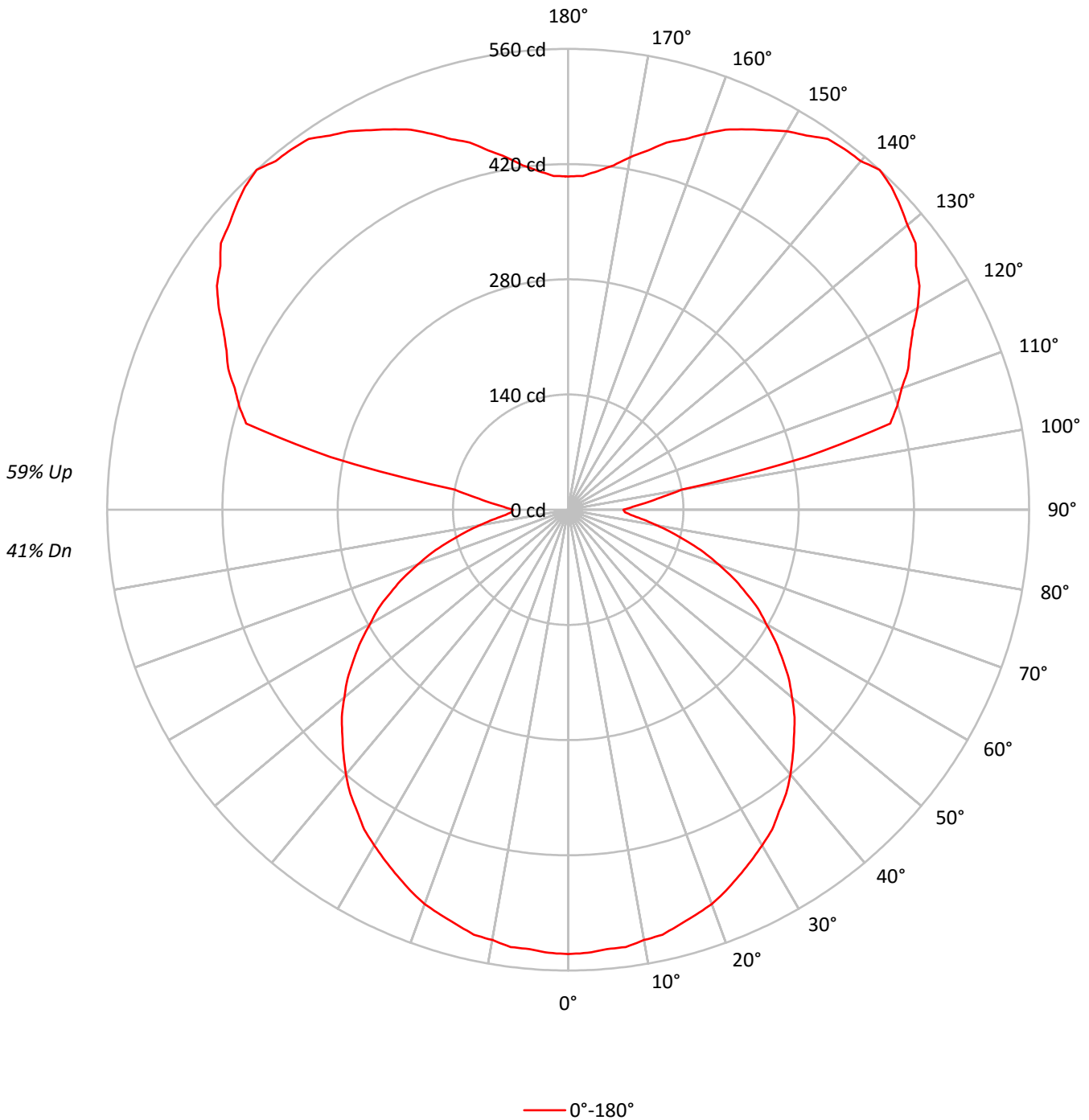
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4347.4 lumens  
Efficiency: N/A  
Efficacy: 92.7 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.43  
Luminous Opening: Vertical Cylinder (Dia: 2.5' x H: 0.83')  
CIE Type: General Diffuse  
  
Input Watts (W): 46.9  
Input Voltage (V): 120.0  
Input Current (Ain): 0.392  
Voltage Rise (V): NR  
Power Factor: 0.9985  
Total Harmonic Distortion (THDi): 6.81  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: HR  
Ambient Temperature (°C): 25.0  
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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41
1	95	90	86	82	86	82	79	76	67	65	62	54	52	50	41	40	39	33
2	86	78	72	67	78	71	66	61	58	54	51	46	44	41	35	34	32	27
3	78	68	61	55	71	62	56	51	51	46	42	41	37	34	31	29	27	22
4	71	60	52	46	65	55	48	43	45	40	36	36	32	29	28	25	23	19
5	65	54	45	39	59	49	42	36	40	35	31	32	28	25	25	22	20	16
6	60	48	40	34	54	44	37	31	36	31	26	29	25	22	22	19	17	14
7	55	43	35	29	50	39	32	27	33	27	23	26	22	19	20	17	15	12
8	51	39	31	26	47	36	29	24	30	24	20	24	20	17	19	16	13	11
9	48	35	28	23	43	33	26	21	27	22	18	22	18	15	17	14	12	10
10	44	32	25	20	40	30	23	19	25	20	16	20	16	13	16	13	11	9

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1184
5°	1138
10°	1100
15°	1064
20°	1031
25°	992
30°	958
35°	922
40°	887
45°	845
50°	804
55°	757
60°	703
65°	646
70°	574
75°	492
80°	404
85°	331



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.1	1.2
10°-20°	147.6	3.4
20°-30°	226.7	5.2
30°-40°	280.3	6.4
40°-50°	299.9	6.9
50°-60°	284.5	6.5
60°-70°	235.5	5.4
70°-80°	159.3	3.7
80°-90°	88.9	2.0
90°-100°	105.9	2.4
100°-110°	370.7	8.5
110°-120°	455.6	10.5
120°-130°	463.4	10.7
130°-140°	427.2	9.8
140°-150°	343.1	7.9
150°-160°	236.5	5.4
160°-170°	131.2	3.0
170°-180°	40.1	0.9
0°-30°	425.4	9.8
0°-40°	705.6	16.2
0°-60°	1290.1	29.7
0°-90°	1773.7	40.8
90°-120°	932.2	21.4
90°-150°	2165.9	49.8
90°-180°	2574.0	59.2
0°-180°	4347.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	540	
5°	536	51
15°	522	148
25°	491	227
35°	447	280
45°	388	300
55°	318	285
65°	238	235
75°	150	159
85°	77	70
90°	67	39
95°	94	86
105°	405	371
115°	458	456
125°	516	463
135°	555	427
145°	550	343
155°	510	236
165°	462	131
175°	413	40
180°	405	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	540
2.5°	539
5°	536
7.5°	536
10°	531
12.5°	529
15°	522
17.5°	516
20°	510
22.5°	501
25°	491
27.5°	481
30°	471
32.5°	461
35°	447
37.5°	435
40°	420
42.5°	404
45°	388
47.5°	373
50°	355
52.5°	338
55°	318
57.5°	299
60°	278
62.5°	260
65°	238
67.5°	217
70°	194
72.5°	173
75°	150
77.5°	129
80°	109
82.5°	92
85°	77
87.5°	69
90°	67
92.5°	78
95°	94
97.5°	113
100°	140
102.5°	296
105°	405
107.5°	419
110°	431



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	447
115°	458
117.5°	472
120°	490
122.5°	506
125°	516
127.5°	532
130°	538
132.5°	547
135°	555
137.5°	560
140°	553
142.5°	552
145°	550
147.5°	539
150°	531
152.5°	520
155°	510
157.5°	500
160°	486
162.5°	472
165°	462
167.5°	447
170°	435
172.5°	422
175°	413
177.5°	406
180°	405

(END OF REPORT)