

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: P34349

Luminaire Tested: **147-52-P1S-L5/835-UNV-NA-64**

Test Date: 08/11/15

Test Information

Test Method: LM-79-08
Report Number: P34349
Test Lab: INNOVATION CENTER-P3
Test Date: 08/11/15
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 147-52-P1S-L5/835-UNV-NA-64
Description: SHAPER 147 SERIES 52" FABRIQUE SQUARE CYLINDER PENDANT LUMINAIRE.
Light Source: 36 CKTS 3500K LEDS
12494584
Ballast/Driver: (1) PHILIPS ELECTRONIC DRIVER
LEDINTA2000C24DOM

Summary

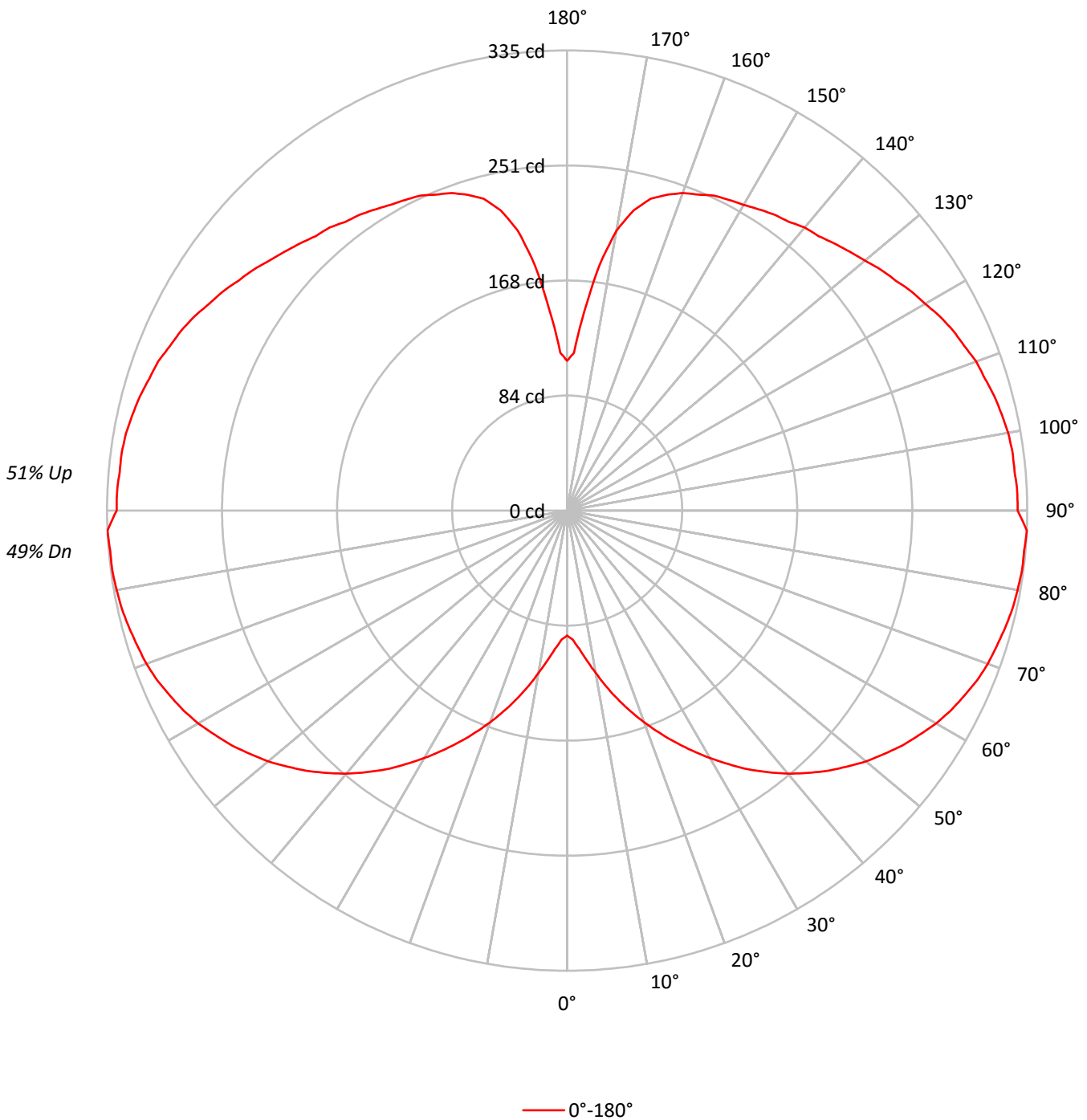
Lumens per Lamp: N/A
Luminaire Lumens: 3630.9 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Spacing Criteria (0/90/45): 3.2 / 3.2 / 3.11
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 0.83' x H: 4.33')
CIE Type: General Diffuse

Input Watts (W): 40.6
Input Voltage (V): 120.0
Input Current (Ain): 0.339
Voltage Rise (V): NR
Power Factor: 0.9995
Total Harmonic Distortion (THDi): 7.60
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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	55	55	55	49
1	92	86	80	75	84	79	74	69	65	61	57	52	49	47	41	39	37	31
2	82	72	64	57	75	66	59	53	54	48	44	43	39	35	33	30	27	22
3	74	62	53	45	67	56	48	42	46	40	34	37	32	28	28	24	21	16
4	67	54	44	37	60	49	40	34	40	33	28	32	26	22	24	20	17	13
5	61	47	38	31	55	43	34	28	35	28	23	28	22	18	21	17	14	10
6	56	42	32	26	50	38	30	24	31	24	19	25	19	15	19	15	11	8
7	51	37	28	22	46	34	26	20	28	21	17	22	17	13	17	13	10	7
8	47	34	25	19	43	31	23	17	25	19	14	20	15	11	15	11	8	6
9	44	30	22	17	40	28	20	15	23	17	13	18	13	10	14	10	7	5
10	41	28	20	15	37	25	18	13	21	15	11	17	12	9	13	9	6	4

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1411
5°	1080
10°	985
15°	952
20°	935
25°	929
30°	930
35°	938
40°	943
45°	948
50°	952
55°	956
60°	960
65°	963
70°	966
75°	968
80°	975
85°	983



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.2	0.3
10°-20°	40.9	1.1
20°-30°	86.7	2.4
30°-40°	144.7	4.0
40°-50°	207.5	5.7
50°-60°	267.1	7.4
60°-70°	316.5	8.7
70°-80°	349.0	9.6
80°-90°	363.7	10.0
90°-100°	357.1	9.8
100°-110°	340.3	9.4
110°-120°	307.3	8.5
120°-130°	262.3	7.2
130°-140°	213.3	5.9
140°-150°	165.2	4.5
150°-160°	116.9	3.2
160°-170°	66.2	1.8
170°-180°	15.9	0.4
0°-30°	137.8	3.8
0°-40°	282.5	7.8
0°-60°	757.2	20.9
0°-90°	1786.4	49.2
90°-120°	1004.7	27.7
90°-150°	1645.5	45.3
90°-180°	1845.0	50.8
0°-180°	3630.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	91	
5°	101	10
15°	142	41
25°	186	87
35°	230	145
45°	268	208
55°	298	267
65°	319	316
75°	330	349
85°	334	273
90°	328	181
95°	327	267
105°	322	340
115°	310	307
125°	292	262
135°	275	213
145°	263	165
155°	253	117
165°	235	66
175°	146	16
180°	109	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	91
2.5°	94
5°	101
7.5°	110
10°	120
12.5°	131
15°	142
17.5°	153
20°	164
22.5°	175
25°	186
27.5°	197
30°	208
32.5°	219
35°	230
37.5°	240
40°	250
42.5°	259
45°	268
47.5°	276
50°	284
52.5°	291
55°	298
57.5°	304
60°	310
62.5°	315
65°	319
67.5°	323
70°	326
72.5°	328
75°	330
77.5°	332
80°	333
82.5°	334
85°	334
87.5°	335
90°	328
92.5°	328
95°	327
97.5°	327
100°	326
102.5°	324
105°	322
107.5°	319
110°	317



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	313
115°	310
117.5°	306
120°	301
122.5°	297
125°	292
127.5°	288
130°	283
132.5°	279
135°	275
137.5°	271
140°	269
142.5°	265
145°	263
147.5°	260
150°	257
152.5°	255
155°	253
157.5°	249
160°	246
162.5°	241
165°	235
167.5°	224
170°	207
172.5°	180
175°	146
177.5°	115
180°	109

(END OF REPORT)