

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: P34058

Luminaire Tested: **143-30-P1S-L5/835**

Test Date: 04/16/15

Test Information

Test Method: LM-79-08
Report Number: P34058
Test Lab: INNOVATION CENTER-P3
Test Date: 04/16/15
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 143-30-P1S-L5/835
Description: SHAPER 143 FABRIQUE STEP PENDANT LUMINAIRE WITH SHANTUNG WHITE INNER SHADE AND EARTH DUST OUTER SHADE. THDi: 6.63%, PF:.99843; PREBURN: 12 HR, TOTAL OP TIME: 13 HR, STAB: 30 MIN
Light Source: (45) 3500K EATON LEDS
12451476, 12441843
Ballast/Driver: (1) HATCH ELECTRONIC DRIVER
LC25-1050Z-UNV-Q

Summary

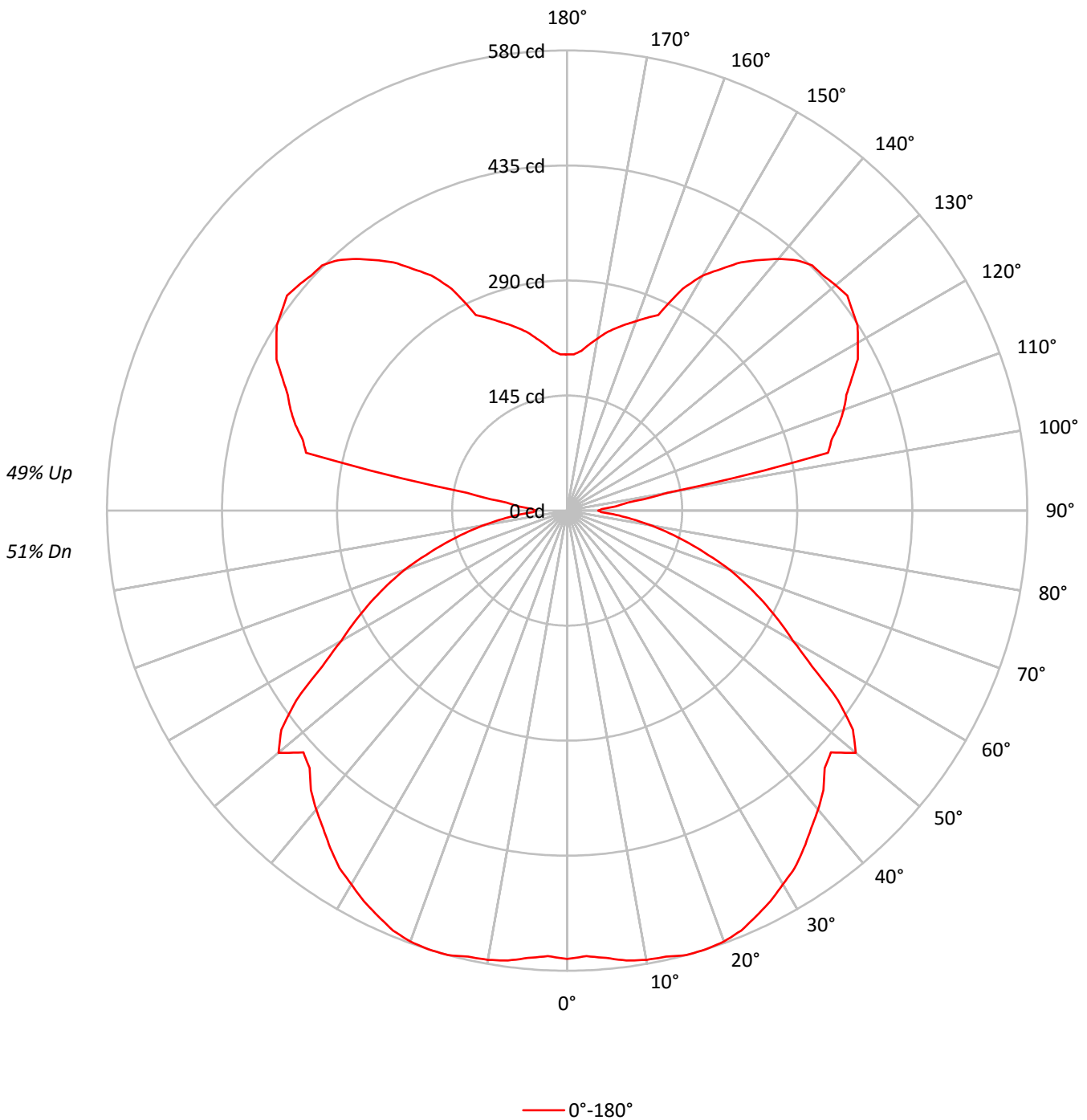
Lumens per Lamp: N/A
Luminaire Lumens: 4038.2 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 1.41 / 1.41 / 1.53
Luminous Opening: Vertical Cylinder (Dia: 2.5' x H: 0.86')
CIE Type: General Diffuse

Input Watts (W): 46.3
Input Voltage (V): 120.0
Input Current (Ain): 0.386
Voltage Rise (V): NR
Power Factor: 0.9984
Total Harmonic Distortion (THDi): 6.63
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: HR
Ambient Temperature (°C): 24.6
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	84	84	84		70	70	70		57	57	57	51
1	97	93	88	85	90	86	82	79	72	70	67		60	58	57		49	48	46	41
2	88	80	74	68	81	74	69	64	63	59	55		52	49	46		42	40	38	34
3	80	70	62	56	73	65	58	53	55	50	46		46	42	39		37	34	32	28
4	73	62	53	47	67	57	50	44	48	43	38		40	36	33		33	30	27	23
5	67	55	46	40	61	51	43	38	43	37	33		36	32	28		29	26	23	20
6	61	49	40	34	56	45	38	32	39	33	28		32	28	24		26	23	20	17
7	57	44	36	30	52	41	33	28	35	29	25		29	25	21		24	21	18	15
8	52	40	32	26	48	37	30	25	32	26	22		27	22	19		22	18	16	13
9	49	36	28	23	45	34	27	22	29	23	19		24	20	17		20	17	14	12
10	45	33	26	21	42	31	24	20	27	21	17		23	18	15		19	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1239
5°	1200
10°	1189
15°	1179
20°	1164
25°	1134
30°	1100
35°	1066
40°	1030
45°	990
50°	1065
55°	981
60°	821
65°	731
70°	635
75°	512
80°	388
85°	260



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.4	1.3
10°-20°	164.0	4.1
20°-30°	260.2	6.4
30°-40°	325.5	8.1
40°-50°	362.0	9.0
50°-60°	366.3	9.1
60°-70°	270.4	6.7
70°-80°	169.0	4.2
80°-90°	70.8	1.8
90°-100°	72.3	1.8
100°-110°	340.7	8.4
110°-120°	393.5	9.7
120°-130°	392.4	9.7
130°-140°	335.4	8.3
140°-150°	239.5	5.9
150°-160°	134.1	3.3
160°-170°	67.9	1.7
170°-180°	19.9	0.5
0°-30°	478.6	11.9
0°-40°	804.1	19.9
0°-60°	1532.4	37.9
0°-90°	2042.6	50.6
90°-120°	806.5	20.0
90°-150°	1773.8	43.9
90°-180°	1996.0	49.4
0°-180°	4038.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	565	
5°	566	54
15°	580	164
25°	564	260
35°	520	326
45°	459	362
55°	417	366
65°	273	270
75°	159	169
85°	62	60
90°	39	23
95°	61	61
105°	345	341
115°	396	393
125°	439	392
135°	437	335
145°	382	239
155°	272	134
165°	238	68
175°	202	20
180°	197	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	565
2.5°	562
5°	566
7.5°	572
10°	575
12.5°	576
15°	580
17.5°	580
20°	578
22.5°	573
25°	564
27.5°	555
30°	544
32.5°	534
35°	520
37.5°	505
40°	492
42.5°	478
45°	459
47.5°	451
50°	475
52.5°	454
55°	417
57.5°	366
60°	329
62.5°	301
65°	273
67.5°	245
70°	218
72.5°	187
75°	159
77.5°	132
80°	107
82.5°	82
85°	62
87.5°	43
90°	39
92.5°	44
95°	61
97.5°	77
100°	128
102.5°	337
105°	345
107.5°	359
110°	371



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	381
115°	396
117.5°	413
120°	423
122.5°	434
125°	439
127.5°	445
130°	442
132.5°	438
135°	437
137.5°	428
140°	414
142.5°	398
145°	382
147.5°	361
150°	342
152.5°	315
155°	272
157.5°	263
160°	254
162.5°	246
165°	238
167.5°	230
170°	220
172.5°	211
175°	202
177.5°	197
180°	197

(END OF REPORT)