

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: P33619

Luminaire Tested: **482-12-P1S-L3/835-UNV-NA-HTB-54**

Test Date: 01/21/15

Test Information

Test Method: LM-79-08
Report Number: P33619
Test Lab: INNOVATION CENTER-P3
Test Date: 01/21/15
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 482-12-P15-L3/835-UNV-NA-HTB-54
Description: SHAPER 482 SERIES LED PENDANT WITH DIFFUSED LENS, HORIZONTAL TRIM BARS WITH A NATURAL ALUMINUM FINISH AND A ROUND BOTTOM MOUNTED SQUARE PATTERN GRATE.
Light Source: (4) 3500K COOPER LIGHTING LED STRIPS
12423636
Ballast/Driver: (1) PHILIPS ADVANCE ELECTRONIC DRIVER
LEDINTA2000C24D0

Summary

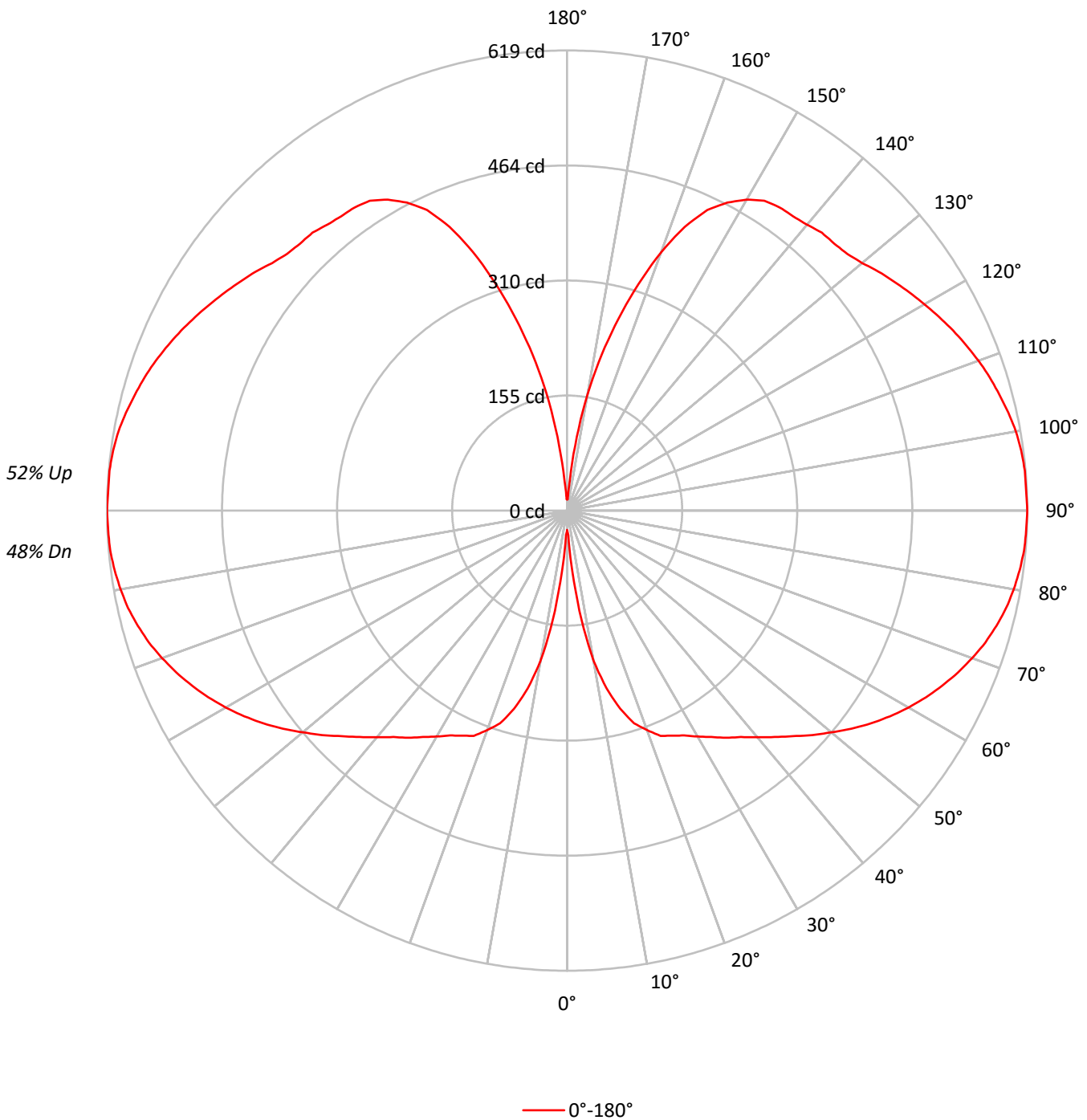
Lumens per Lamp: N/A
Luminaire Lumens: 6475.0 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Spacing Criteria (0/90/45): 6.86 / 6.86 / 6.25
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 2.5')
CIE Type: General Diffuse

Input Watts (W): 82.2
Input Voltage (V): 120.01
Input Current (A_{in}): 0.6869
Voltage Rise (V): 11.4
Power Factor: 0.9995
Total Harmonic Distortion (THDi): 7.4
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48
1	92	86	80	74	84	78	73	68	64	60	57	52	49	46	40	38	35	30
2	82	72	64	57	74	65	58	52	53	48	43	42	38	34	32	29	26	21
3	73	62	52	45	66	56	48	41	46	39	34	36	31	27	27	23	20	15
4	66	53	44	37	60	49	40	33	39	33	27	31	26	22	23	19	16	12
5	61	47	37	30	55	43	34	28	35	28	23	27	22	18	20	16	13	9
6	55	42	32	26	50	38	30	23	31	24	19	24	19	15	18	14	11	8
7	51	37	28	22	46	34	26	20	28	21	16	22	17	13	16	12	9	6
8	47	33	25	19	43	31	23	17	25	19	14	20	15	11	15	11	8	5
9	44	30	22	17	40	28	20	15	23	17	12	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°	356
5°	893
10°	1827
15°	2113
20°	2122
25°	2033
30°	1957
35°	1933
40°	1940
45°	1988
50°	2064
55°	2150
60°	2230
65°	2308
70°	2385
75°	2459
80°	2527
85°	2595



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.1	0.2
10°-20°	78.2	1.2
20°-30°	155.0	2.4
30°-40°	235.0	3.6
40°-50°	333.7	5.2
50°-60°	447.6	6.9
60°-70°	552.5	8.5
70°-80°	631.7	9.8
80°-90°	672.0	10.4
90°-100°	673.2	10.4
100°-110°	636.7	9.8
110°-120°	568.5	8.8
120°-130°	482.0	7.4
130°-140°	394.3	6.1
140°-150°	311.7	4.8
150°-160°	204.3	3.2
160°-170°	78.6	1.2
170°-180°	8.1	0.1
0°-30°	245.2	3.8
0°-40°	480.2	7.4
0°-60°	1261.5	19.5
0°-90°	3117.6	48.1
90°-120°	1878.4	29.0
90°-150°	3066.4	47.4
90°-180°	3357.0	51.8
0°-180°	6475.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	26	
5°	83	12
15°	276	78
25°	334	155
35°	373	235
45°	429	334
55°	499	448
65°	557	552
75°	598	632
85°	617	502
90°	619	339
95°	618	504
105°	602	637
115°	573	568
125°	537	482
135°	508	394
145°	498	312
155°	446	204
165°	267	79
175°	41	8
180°	16	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	26
2.5°	33
5°	83
7.5°	149
10°	205
12.5°	245
15°	276
17.5°	300
20°	314
22.5°	328
25°	334
27.5°	341
30°	351
32.5°	361
35°	373
37.5°	384
40°	398
42.5°	413
45°	429
47.5°	447
50°	464
52.5°	482
55°	499
57.5°	515
60°	530
62.5°	544
65°	557
67.5°	569
70°	580
72.5°	590
75°	598
77.5°	605
80°	610
82.5°	614
85°	617
87.5°	618
90°	619
92.5°	618
95°	618
97.5°	616
100°	613
102.5°	608
105°	602
107.5°	596
110°	589

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	581
115°	573
117.5°	564
120°	555
122.5°	546
125°	537
127.5°	528
130°	518
132.5°	511
135°	508
137.5°	507
140°	502
142.5°	499
145°	498
147.5°	494
150°	483
152.5°	467
155°	446
157.5°	413
160°	370
162.5°	320
165°	267
167.5°	215
170°	160
172.5°	100
175°	41
177.5°	15
180°	16

(END OF REPORT)