

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: P34059

Luminaire Tested: **143-36-P1S-L9/835**

Test Date: 04/27/15

Test Information

Test Method: LM-79-08
Report Number: P34059
Test Lab: INNOVATION CENTER-P2
Test Date: 04/27/15
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 143-36-P15-L9/835
Description: SHAPER 143 FABRIQUE STEP PENDANT LUMINAIRE WITH SHANTUNG WHITE INNER SHADE AND EARTH DUST OUTER SHADE. THDi: 10.2%, PF:.99321; PREBURN: 12 HR, TOTAL OP TIME: 13 HR, STAB: 30 MIN
Light Source: (66) 3500K EATON LEDS
12451476, 12441843
Ballast/Driver: (1) HATCH ELECTRONIC DRIVER (1) ROAL ELECTRONIC DRIVER
LC60-2400Z-UNV-F, RSLD035-07

Summary

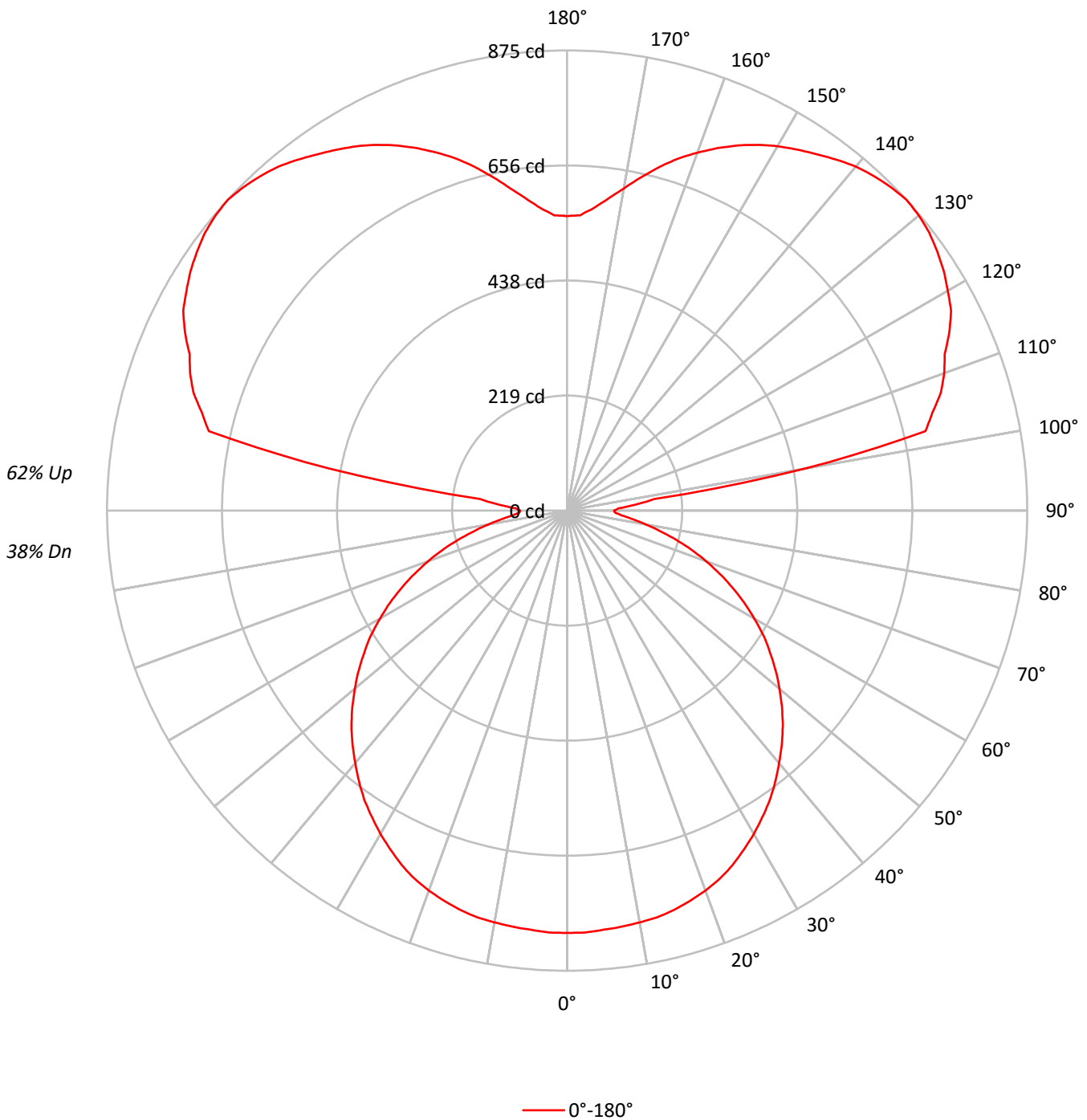
Lumens per Lamp: N/A
Luminaire Lumens: 6895.0 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.43
Luminous Opening: Vertical Cylinder (Dia: 3' x H: 1.02')
CIE Type: Semi-Indirect

Input Watts (W): 78.5
Input Voltage (V): 120.0
Input Current (Ain): 0.661
Voltage Rise (V): NR
Power Factor: 0.9932
Total Harmonic Distortion (THDi): 10.2
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: HR
Ambient Temperature (°C): 24.9
Test Distance: 25 FT



TEST NUMBER: P34059
CATALOG NUMBER: 143-36-P1S-L9/835

Luminous Intensity Polar Plot





TEST NUMBER: P34059

CATALOG NUMBER: 143-36-P1S-L9/835

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	104	104	104	104	95	95	95	95	77	77	77		60	60	60		45	45	45	38
1	94	90	86	82	85	82	78	75	66	64	61		52	50	49		39	38	37	31
2	86	78	72	66	77	71	66	61	57	54	50		45	42	40		34	32	30	25
3	78	68	61	55	70	62	56	50	50	46	42		40	36	34		30	27	25	21
4	71	60	52	46	64	55	48	42	45	39	35		35	31	28		26	24	22	18
5	65	53	45	39	59	49	42	36	40	34	30		31	27	24		23	21	19	15
6	60	48	40	34	54	44	36	31	36	30	26		28	24	21		21	18	16	13
7	55	43	35	29	50	39	32	27	32	27	23		26	22	19		19	17	14	12
8	51	39	31	26	46	35	29	24	29	24	20		23	19	16		18	15	13	10
9	47	35	28	23	43	32	26	21	27	21	18		21	17	15		16	13	11	9
10	44	32	25	20	40	30	23	19	24	19	16		20	16	13		15	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1223
5°	1178
10°	1142
15°	1110
20°	1076
25°	1039
30°	998
35°	958
40°	913
45°	870
50°	822
55°	771
60°	714
65°	647
70°	570
75°	480
80°	384
85°	304



TEST NUMBER: P34059

CATALOG NUMBER: 143-36-P1S-L9/835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.2	1.1
10°-20°	222.0	3.2
20°-30°	342.7	5.0
30°-40°	420.1	6.1
40°-50°	447.2	6.5
50°-60°	421.4	6.1
60°-70°	343.4	5.0
70°-80°	227.1	3.3
80°-90°	120.1	1.7
90°-100°	182.2	2.6
100°-110°	732.7	10.6
110°-120°	794.0	11.5
120°-130°	769.1	11.2
130°-140°	672.3	9.8
140°-150°	520.3	7.5
150°-160°	354.9	5.1
160°-170°	192.8	2.8
170°-180°	56.5	0.8
0°-30°	640.9	9.3
0°-40°	1061.0	15.4
0°-60°	1929.5	28.0
0°-90°	2620.0	38.0
90°-120°	1708.9	24.8
90°-150°	3670.7	53.2
90°-180°	4275.0	62.0
0°-180°	6895.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	803	
5°	800	76
15°	786	222
25°	744	343
35°	672	420
45°	580	447
55°	471	421
65°	347	343
75°	214	227
85°	104	95
90°	89	50
95°	130	157
105°	719	733
115°	802	794
125°	859	769
135°	870	672
145°	827	520
155°	766	355
165°	676	193
175°	577	57
180°	560	



TEST NUMBER: P34059

CATALOG NUMBER: 143-36-P1S-L9/835

CANDELA DISTRIBUTION (FULL):

0°	
0°	803
2.5°	803
5°	800
7.5°	798
10°	795
12.5°	792
15°	786
17.5°	778
20°	769
22.5°	758
25°	744
27.5°	727
30°	710
32.5°	691
35°	672
37.5°	650
40°	627
42.5°	604
45°	580
47.5°	554
50°	527
52.5°	500
55°	471
57.5°	443
60°	411
62.5°	380
65°	347
67.5°	314
70°	281
72.5°	248
75°	214
77.5°	182
80°	152
82.5°	125
85°	104
87.5°	91
90°	89
92.5°	98
95°	130
97.5°	167
100°	460
102.5°	698
105°	719
107.5°	745
110°	763

TEST NUMBER: P34059

CATALOG NUMBER: 143-36-P1S-L9/835

CANDELA DISTRIBUTION (continued):

	0°
112.5°	777
115°	802
117.5°	823
120°	836
122.5°	849
125°	859
127.5°	868
130°	873
132.5°	875
135°	870
137.5°	863
140°	854
142.5°	841
145°	827
147.5°	814
150°	800
152.5°	784
155°	766
157.5°	746
160°	724
162.5°	702
165°	676
167.5°	649
170°	622
172.5°	598
175°	577
177.5°	562
180°	560

(END OF REPORT)