

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: CORELITE

Report Number: P412624

Luminaire Tested: **14PD-25-PP3-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412624
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-25-PP3-L835
Description: 2500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

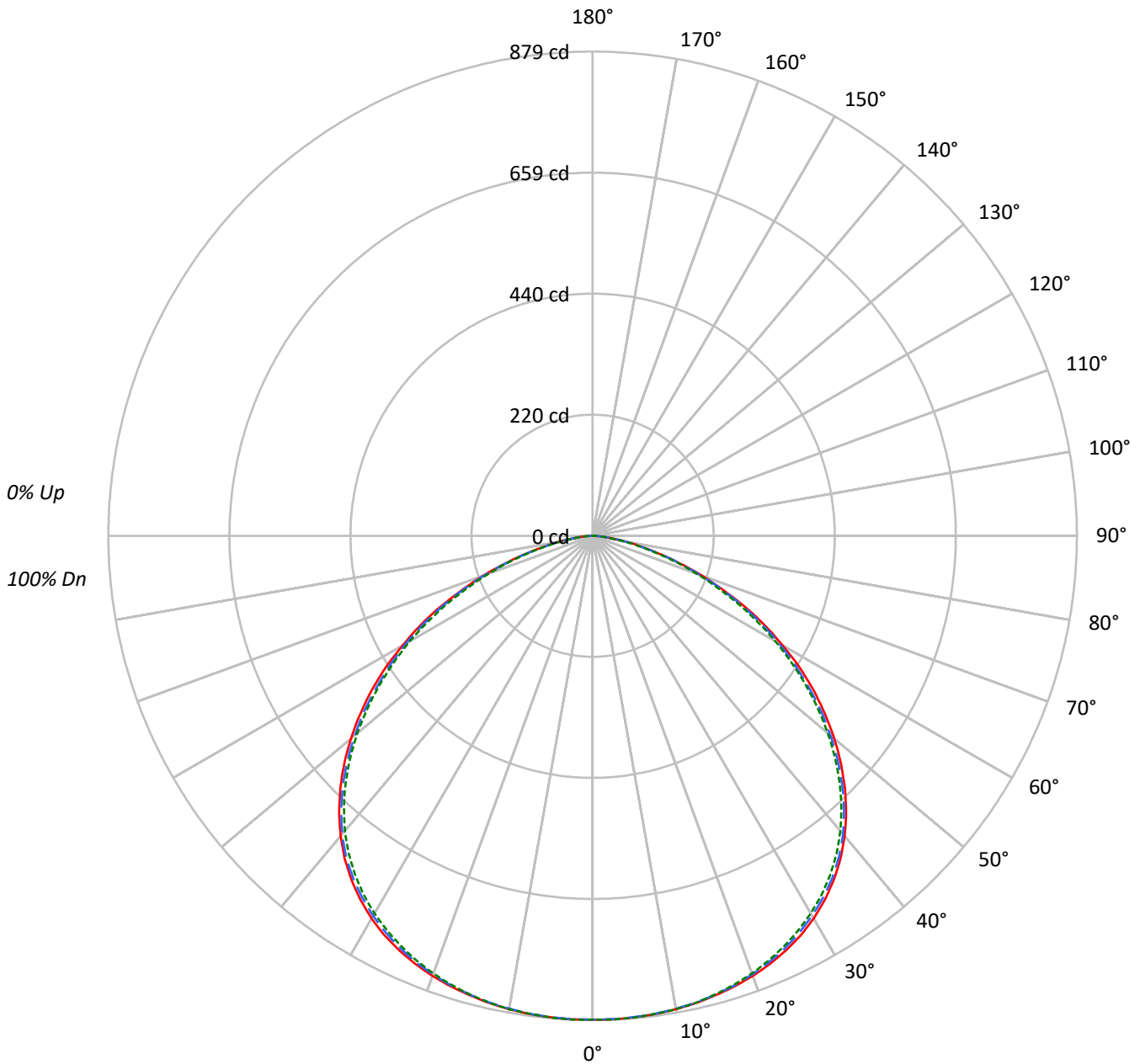
Lumens per Lamp: N/A
Luminaire Lumens: 2556.0 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
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									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39																			
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31																			
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2364	2364	2364
5°	2370	2369	2371
10°	2385	2382	2384
15°	2406	2402	2401
20°	2435	2427	2421
25°	2466	2453	2441
30°	2493	2476	2460
35°	2507	2491	2469
40°	2500	2485	2457
45°	2464	2440	2413
50°	2396	2358	2333
55°	2297	2242	2213
60°	2140	2103	2061
65°	1940	1901	1846
70°	1656	1626	1574
75°	1293	1280	1219
80°	955	914	863
85°	574	574	537



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.6	3.3
10°-20°	243.9	9.5
20°-30°	381.2	14.9
30°-40°	473.7	18.5
40°-50°	493.6	19.3
50°-60°	428.3	16.8
60°-70°	294.5	11.5
70°-80°	132.9	5.2
80°-90°	24.4	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	708.6	27.7
0°-40°	1182.4	46.3
0°-60°	2104.2	82.3
0°-90°	2556.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2556.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	878	878	878	878	878	
5°	877	878	877	876	878	84
15°	864	864	862	862	862	244
25°	830	830	826	823	822	383
35°	763	763	758	754	752	477
45°	648	648	641	636	634	498
55°	490	487	478	472	472	436
65°	305	304	299	291	290	301
75°	124	125	123	120	117	135
85°	19	18	19	18	17	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	878.4	878.4	878.4	878.4	878.4
2.5°	878.7	878.7	878.2	877.4	879.2
5°	877.4	877.7	877.1	876.4	877.7
7.5°	875.6	875.9	875.1	874.3	875.4
10°	872.8	872.5	871.8	871.3	872.5
12.5°	868.7	868.5	867.7	867.2	868.2
15°	863.6	863.6	862.3	861.6	861.8
17.5°	857.5	857.5	855.7	853.9	854.4
20°	850.3	850.1	847.5	845.7	845.5
22.5°	841.4	841.4	837.8	835.5	834.7
25°	830.4	830.1	826.1	822.7	822.2
27.5°	817.9	817.4	812.5	809.2	807.9
30°	802.3	801.8	796.7	793.1	791.6
32.5°	783.9	784.7	778.8	774.7	773.2
35°	763.0	763.0	758.4	754.0	751.5
37.5°	739.0	739.0	734.6	730.3	727.2
40°	711.6	711.9	707.3	701.9	699.4
42.5°	681.0	681.5	675.4	671.0	668.2
45°	647.5	647.8	641.1	636.3	634.0
47.5°	611.2	610.7	603.3	599.2	596.9
50°	572.4	571.4	563.2	559.4	557.3
52.5°	531.8	529.8	522.6	517.0	515.2
55°	489.7	486.8	477.9	472.3	471.8
57.5°	445.7	442.4	435.0	429.6	427.6
60°	397.7	396.9	390.8	384.4	382.9
62.5°	352.7	350.4	345.1	337.4	336.7
65°	304.7	303.5	298.6	291.4	289.9
67.5°	255.2	256.5	252.4	246.0	243.9
70°	210.5	211.2	206.6	200.8	200.0
72.5°	165.5	166.8	163.0	159.1	158.4
75°	124.4	124.9	123.1	119.8	117.2
77.5°	88.4	90.2	88.1	85.8	83.8
80°	61.6	58.7	59.0	58.0	55.7
82.5°	37.0	35.8	35.5	34.5	33.5
85°	18.6	18.4	18.6	18.4	17.4
87.5°	6.1	6.6	6.9	6.9	6.4
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)