

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: P412966

Luminaire Tested: **14PD-25-PC3-L835**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412966
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-57)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-25-PC3-L835
Description: 2500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

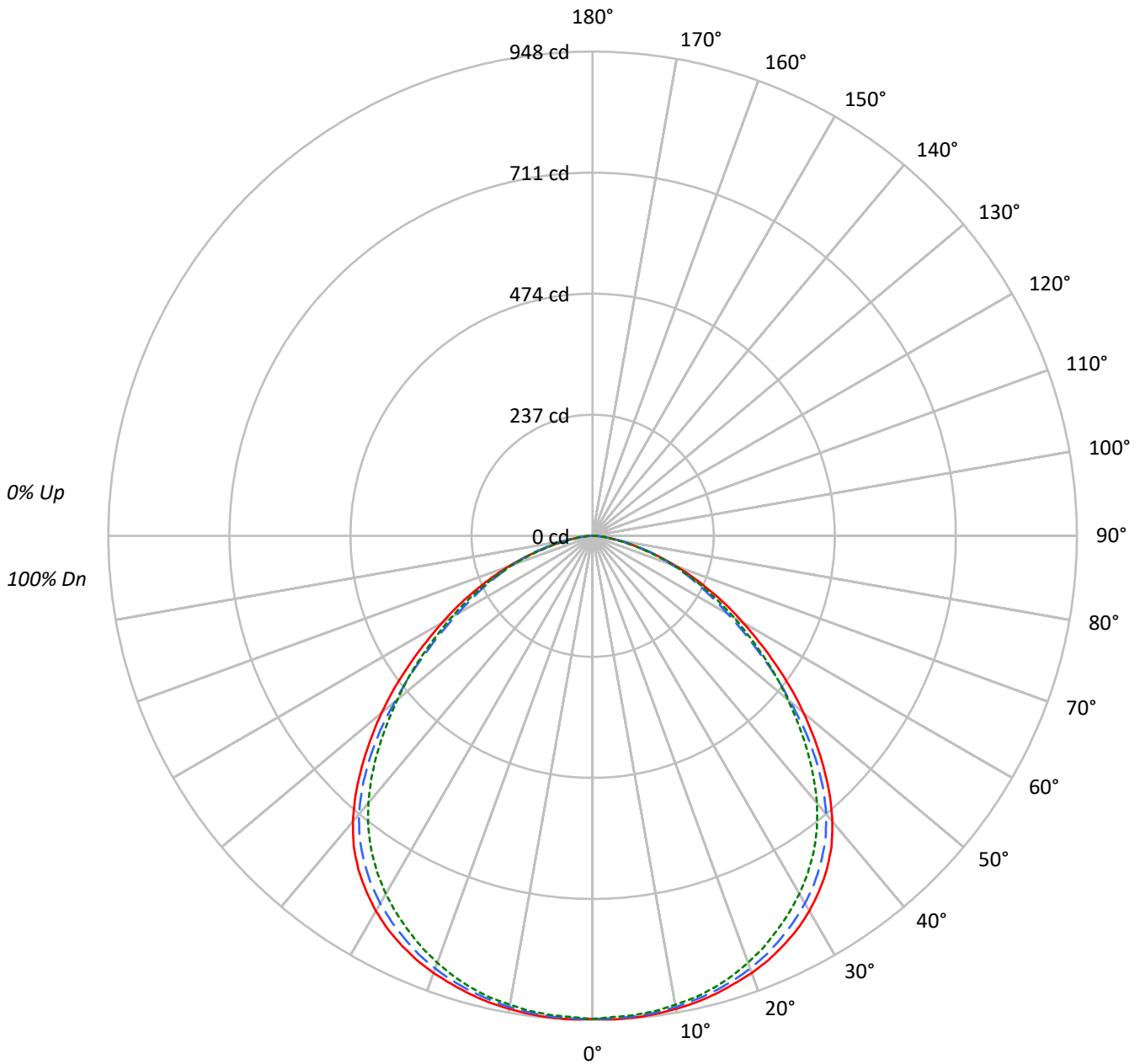
Lumens per Lamp: N/A
Luminaire Lumens: 2444.0 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P412966

CATALOG NUMBER: 14PD-25-PC3-L835

Luminous Intensity Polar Plot





TEST NUMBER: P412966

CATALOG NUMBER: 14PD-25-PC3-L835

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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86																			
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73																			
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62																			
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54																			
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	53	49	47																			
6	72	60	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43	41																			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37																			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33																			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30																			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2545	2545	2545
5°	2558	2551	2544
10°	2570	2560	2548
15°	2588	2572	2553
20°	2609	2582	2547
25°	2627	2585	2533
30°	2637	2583	2515
35°	2625	2561	2479
40°	2565	2499	2399
45°	2431	2348	2262
50°	2257	2113	2088
55°	2044	1863	1904
60°	1828	1640	1713
65°	1612	1471	1521
70°	1372	1303	1312
75°	1054	1111	1024
80°	773	812	767
85°	519	568	556



TEST NUMBER: P412966

CATALOG NUMBER: 14PD-25-PC3-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.9	3.7
10°-20°	260.5	10.7
20°-30°	400.7	16.4
30°-40°	484.8	19.8
40°-50°	473.3	19.4
50°-60°	365.8	15.0
60°-70°	234.9	9.6
70°-80°	110.9	4.5
80°-90°	23.3	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°	751.1	30.7
0°-40°	1235.9	50.6
0°-60°	2075.0	84.9
0°-90°	2444.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2444.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	946	946	946	946	946	
5°	947	943	944	944	942	90
15°	929	924	923	920	916	263
25°	885	878	871	859	853	408
35°	799	791	780	762	755	498
45°	639	631	617	601	594	492
55°	436	415	397	397	406	390
65°	253	238	231	228	239	252
75°	101	103	107	98	98	111
85°	17	19	18	18	18	22
90°	0	0	0	0	0	



TEST NUMBER: P412966

CATALOG NUMBER: 14PD-25-PC3-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	945.7	945.7	945.7	945.7	945.7
2.5°	947.8	944.0	946.1	946.1	943.2
5°	947.0	942.8	944.5	943.6	941.9
7.5°	944.5	940.3	941.5	940.7	938.6
10°	940.7	936.1	936.9	935.2	932.3
12.5°	935.7	931.5	930.6	928.1	926.0
15°	929.0	924.3	923.1	919.7	916.4
17.5°	920.1	915.5	913.4	908.4	904.6
20°	910.9	905.5	901.7	894.2	889.5
22.5°	899.2	892.9	887.9	877.4	872.8
25°	884.9	877.8	870.7	859.4	853.1
27.5°	868.2	860.6	852.2	839.7	832.5
30°	848.5	840.9	831.3	817.0	809.5
32.5°	825.0	817.4	807.4	791.0	783.5
35°	799.0	790.6	779.7	762.1	754.6
37.5°	768.0	758.8	748.7	729.4	721.4
40°	730.2	722.3	711.4	692.1	682.9
42.5°	686.7	679.5	667.4	648.9	640.1
45°	638.9	630.9	617.1	601.1	594.4
47.5°	589.0	577.2	563.8	550.0	546.2
50°	539.1	524.0	504.7	497.6	498.8
52.5°	488.0	468.7	451.9	446.4	452.7
55°	435.6	414.6	397.0	397.4	405.8
57.5°	385.7	363.9	349.2	349.2	360.1
60°	339.6	319.4	304.8	304.3	318.2
62.5°	296.8	276.3	265.4	265.4	277.9
65°	253.2	238.1	231.0	228.5	238.9
67.5°	213.0	202.5	197.4	194.5	201.2
70°	174.4	167.7	165.6	162.2	166.8
72.5°	136.2	134.6	138.8	130.8	132.9
75°	101.4	103.1	106.9	98.1	98.5
77.5°	72.9	76.3	77.6	73.4	73.4
80°	49.9	54.1	52.4	50.3	49.5
82.5°	31.9	34.0	34.0	32.7	31.9
85°	16.8	19.3	18.4	18.0	18.0
87.5°	6.3	8.8	8.8	8.4	8.0
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)