

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: P413178

Luminaire Tested: **24PD-30-PC3-L935**

Issue Date: 9/15/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P413178  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-30-PC3-L935  
Description: 3000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS  
Light Source: -  
Ballast/Driver: -

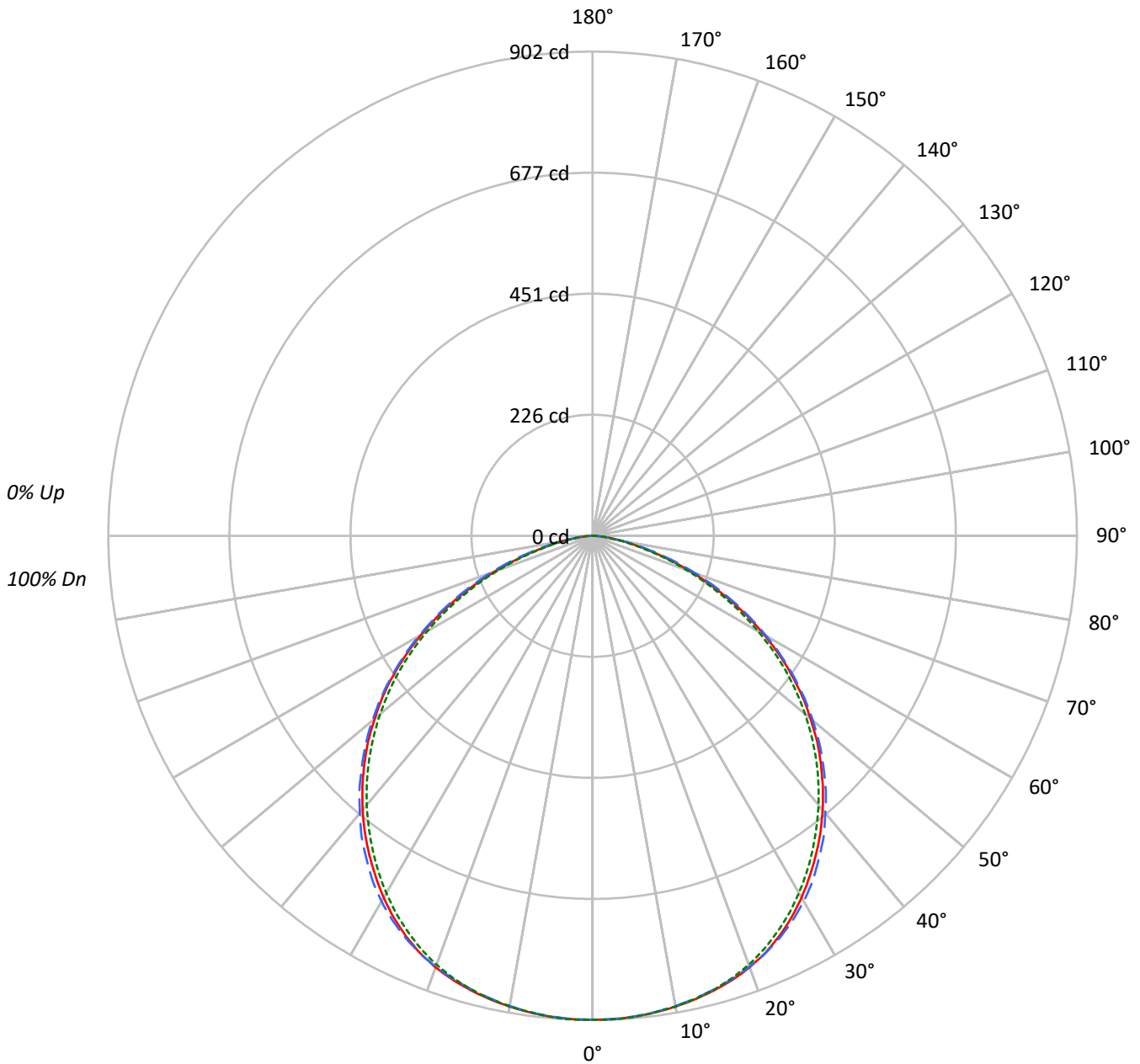
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2464.0 lumens  
Efficiency: N/A  
Efficacy: 115.7 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.26 / 1.38  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 21.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P413178

CATALOG NUMBER: 24PD-30-PC3-L935

### Luminous Intensity Polar Plot





TEST NUMBER: P413178

CATALOG NUMBER: 24PD-30-PC3-L935

**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	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	42	37	35																			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1213	1213	1213
5°	1214	1214	1215
10°	1217	1215	1216
15°	1221	1218	1219
20°	1225	1223	1218
25°	1222	1226	1209
30°	1209	1222	1194
35°	1191	1207	1173
40°	1171	1185	1150
45°	1144	1157	1120
50°	1109	1121	1082
55°	1063	1072	1031
60°	992	1004	958
65°	894	917	859
70°	759	793	729
75°	588	631	561
80°	437	456	397
85°	270	289	250



TEST NUMBER: P413178

CATALOG NUMBER: 24PD-30-PC3-L935

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.5	3.5
10°-20°	247.2	10.0
20°-30°	378.6	15.4
30°-40°	455.5	18.5
40°-50°	464.4	18.8
50°-60°	402.6	16.3
60°-70°	279.1	11.3
70°-80°	127.5	5.2
80°-90°	23.5	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°	711.3	28.9
0°-40°	1166.8	47.4
0°-60°	2033.8	82.5
0°-90°	2464.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2464.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	902	902	902	902	902	
5°	899	899	899	898	900	86
15°	876	876	875	874	875	248
25°	823	825	826	819	814	379
35°	725	733	735	725	714	454
45°	601	609	608	600	589	463
55°	453	456	457	446	440	404
65°	281	287	288	278	270	278
75°	113	119	121	117	108	124
85°	18	18	19	18	16	24
90°	0	0	0	0	0	



TEST NUMBER: P413178

CATALOG NUMBER: 24PD-30-PC3-L935

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	901.5	901.5	901.5	901.5	901.5
2.5°	901.5	901.5	901.0	900.5	902.0
5°	899.2	899.2	898.7	898.2	899.5
7.5°	895.7	895.5	895.0	894.5	895.2
10°	890.7	890.5	889.5	889.2	890.2
12.5°	884.5	884.2	882.7	882.7	883.5
15°	876.5	876.2	874.7	874.0	875.0
17.5°	867.5	867.2	865.5	863.5	864.0
20°	855.5	855.5	854.3	851.3	850.5
22.5°	841.0	841.8	841.8	836.0	833.8
25°	822.8	825.0	825.8	818.6	814.3
27.5°	802.1	805.6	807.6	798.3	792.8
30°	778.3	784.1	786.6	776.6	768.6
32.5°	752.4	759.6	762.6	752.9	742.6
35°	725.4	733.2	734.7	725.2	714.4
37.5°	696.7	704.7	706.7	698.2	685.0
40°	666.5	674.5	674.5	667.5	654.5
42.5°	634.5	643.0	642.8	634.3	622.5
45°	601.3	608.8	607.8	599.6	588.8
47.5°	567.1	571.8	573.1	563.3	553.1
50°	529.6	534.4	535.6	524.6	516.7
52.5°	492.7	495.7	497.4	484.7	478.9
55°	453.2	456.0	457.2	446.0	439.7
57.5°	411.5	415.0	416.5	405.3	398.3
60°	368.8	372.6	373.1	362.6	356.1
62.5°	325.4	330.4	331.4	320.9	313.1
65°	280.9	286.9	287.9	278.2	269.9
67.5°	236.5	244.5	244.7	236.7	227.0
70°	193.0	201.8	201.5	194.8	185.3
72.5°	151.6	159.6	161.3	155.1	145.8
75°	113.1	119.4	121.4	117.4	107.9
77.5°	80.4	86.2	87.9	84.2	77.2
80°	56.4	56.7	58.9	55.9	51.2
82.5°	35.0	34.5	35.2	34.0	31.2
85°	17.5	18.0	18.7	17.7	16.2
87.5°	6.0	6.2	6.7	6.7	6.0
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)