

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: P412836

Luminaire Tested: **24PD-30-PP3-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412836
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: 24PD-30-PP3-L935
Description: 3000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

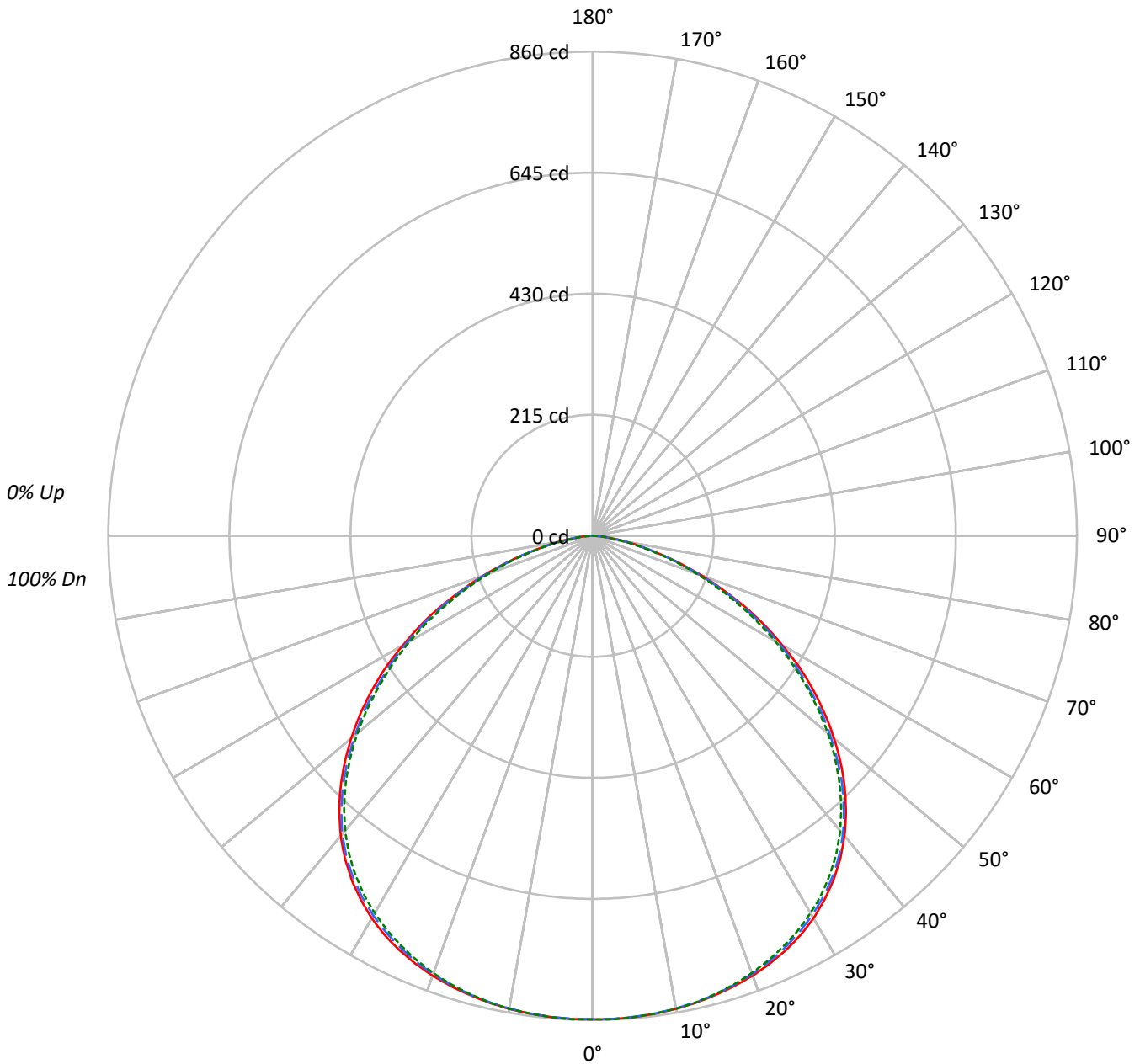
Lumens per Lamp: N/A
Luminaire Lumens: 2499.0 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (A_{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



0% Up

100% Dn



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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°	1156	1156	1156
5°	1159	1158	1159
10°	1166	1164	1166
15°	1176	1174	1174
20°	1190	1186	1184
25°	1205	1199	1193
30°	1219	1210	1202
35°	1225	1218	1207
40°	1222	1215	1201
45°	1205	1193	1179
50°	1172	1153	1141
55°	1123	1096	1082
60°	1046	1028	1008
65°	948	929	902
70°	810	795	769
75°	632	626	596
80°	466	447	422
85°	281	281	262



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.7	3.3
10°-20°	238.4	9.5
20°-30°	372.7	14.9
30°-40°	463.2	18.5
40°-50°	482.6	19.3
50°-60°	418.8	16.8
60°-70°	287.9	11.5
70°-80°	129.9	5.2
80°-90°	23.8	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°	692.8	27.7
0°-40°	1156.0	46.3
0°-60°	2057.3	82.3
0°-90°	2499.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2499.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	859	859	859	859	859	
5°	858	858	858	857	858	82
15°	844	844	843	842	843	239
25°	812	812	808	804	804	375
35°	746	746	742	737	735	466
45°	633	633	627	622	620	487
55°	479	476	467	462	461	427
65°	298	297	292	285	283	294
75°	122	122	120	117	115	132
85°	18	18	18	18	17	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	858.8	858.8	858.8	858.8	858.8
2.5°	859.1	859.1	858.6	857.8	859.6
5°	857.8	858.1	857.6	856.8	858.1
7.5°	856.1	856.3	855.6	854.8	855.8
10°	853.3	853.1	852.3	851.8	853.1
12.5°	849.3	849.1	848.3	847.8	848.8
15°	844.3	844.3	843.1	842.4	842.6
17.5°	838.4	838.4	836.6	834.9	835.4
20°	831.4	831.1	828.6	826.9	826.6
22.5°	822.6	822.6	819.1	816.9	816.1
25°	811.9	811.6	807.6	804.4	803.9
27.5°	799.6	799.1	794.4	791.2	789.9
30°	784.4	783.9	778.9	775.4	773.9
32.5°	766.4	767.2	761.4	757.4	755.9
35°	746.0	746.0	741.5	737.2	734.7
37.5°	722.5	722.5	718.2	714.0	711.0
40°	695.8	696.0	691.5	686.3	683.8
42.5°	665.8	666.3	660.3	656.0	653.3
45°	633.1	633.3	626.8	622.1	619.8
47.5°	597.6	597.1	589.9	585.9	583.6
50°	559.7	558.7	550.7	546.9	544.9
52.5°	519.9	517.9	511.0	505.5	503.7
55°	478.7	476.0	467.3	461.8	461.3
57.5°	435.8	432.5	425.3	420.1	418.1
60°	388.8	388.1	382.1	375.8	374.4
62.5°	344.9	342.6	337.4	329.9	329.1
65°	297.9	296.7	291.9	284.9	283.4
67.5°	249.5	250.7	246.7	240.5	238.5
70°	205.8	206.5	202.0	196.3	195.5
72.5°	161.8	163.1	159.3	155.6	154.8
75°	121.6	122.1	120.4	117.1	114.6
77.5°	86.4	88.2	86.2	83.9	81.9
80°	60.2	57.4	57.7	56.7	54.4
82.5°	36.2	35.0	34.7	33.7	32.7
85°	18.2	18.0	18.2	18.0	17.0
87.5°	6.0	6.5	6.7	6.7	6.2
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)