

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: P413072

Luminaire Tested: **22PD-35-PC3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413072
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-35-PC3-L950
Description: 3500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

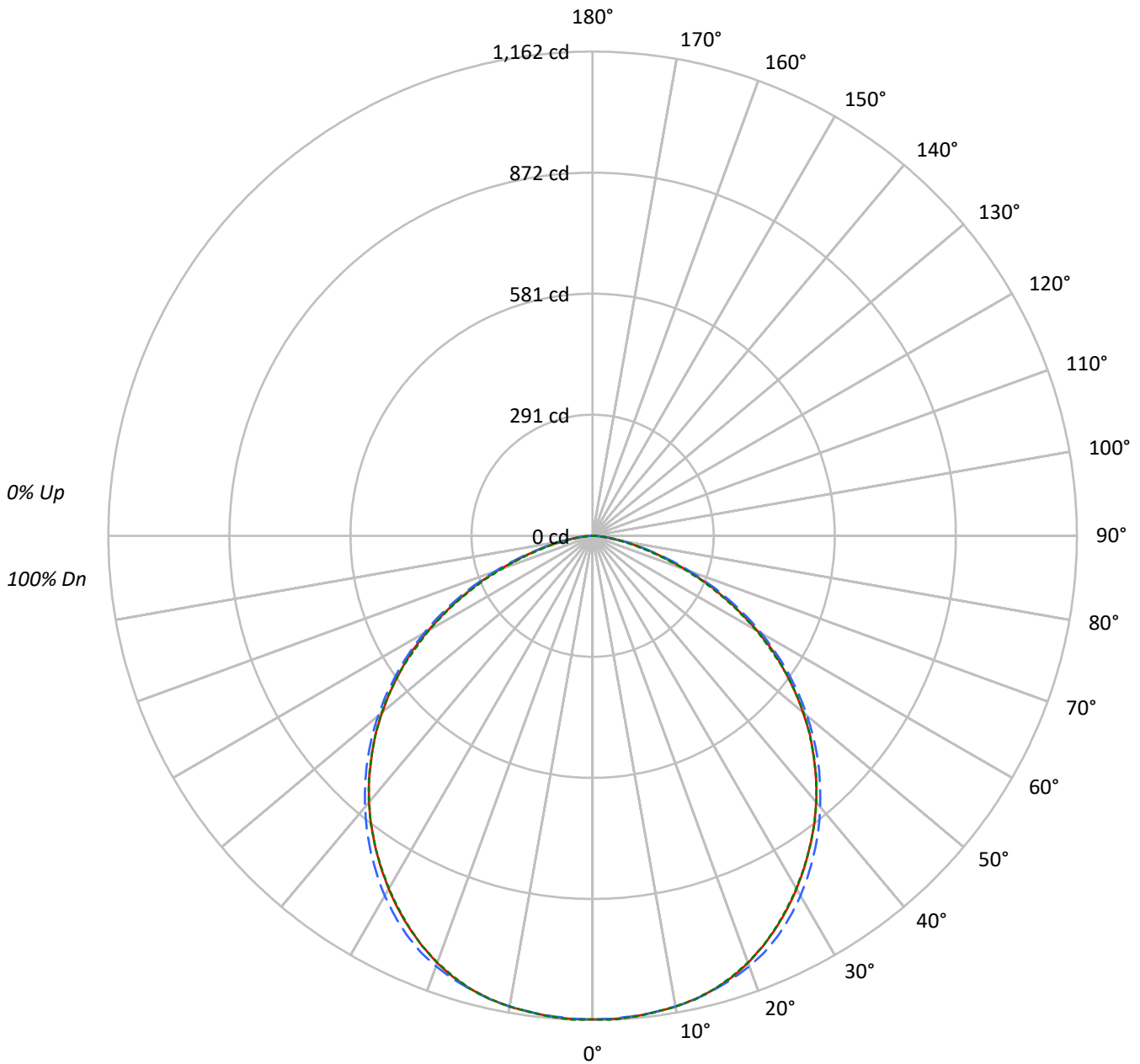
Lumens per Lamp: N/A
Luminaire Lumens: 3118.0 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	110	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	76	80	77	74	72																			
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61																			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35																			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31																			
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3123	3123	3123
5°	3127	3125	3129
10°	3135	3134	3135
15°	3139	3143	3138
20°	3123	3148	3121
25°	3087	3137	3084
30°	3041	3100	3036
35°	2988	3048	2988
40°	2932	2984	2932
45°	2855	2911	2859
50°	2757	2811	2768
55°	2629	2681	2629
60°	2451	2513	2436
65°	2200	2278	2172
70°	1882	1949	1827
75°	1493	1536	1416
80°	1069	1110	1018
85°	707	729	661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.1	3.5
10°-20°	318.1	10.2
20°-30°	482.6	15.5
30°-40°	576.3	18.5
40°-50°	586.1	18.8
50°-60°	507.0	16.3
60°-70°	348.8	11.2
70°-80°	158.3	5.1
80°-90°	30.6	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°	910.8	29.2
0°-40°	1487.1	47.7
0°-60°	2580.2	82.8
0°-90°	3118.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3118.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1161	1161	1161	1161	1161	
5°	1158	1157	1157	1157	1158	110
15°	1127	1127	1128	1126	1126	318
25°	1040	1049	1056	1047	1039	479
35°	910	926	928	924	910	569
45°	750	764	765	764	751	578
55°	560	570	572	570	560	501
65°	346	355	358	355	341	343
75°	144	149	148	146	136	154
85°	23	24	24	23	21	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1160.6	1160.6	1160.6	1160.6	<i>1160.6</i>
2.5°	<i>1160.6</i>	<i>1159.2</i>	<i>1159.5</i>	<i>1159.9</i>	<i>1162.1</i>
5°	1157.7	1156.6	1156.9	1156.9	<i>1158.4</i>
7.5°	1152.9	1152.5	1152.5	1152.1	<i>1153.3</i>
10°	1147.3	1146.6	1147.0	1146.6	<i>1147.3</i>
12.5°	1138.9	1138.9	1139.2	1138.1	<i>1138.9</i>
15°	1126.7	1127.4	1128.2	1126.3	<i>1126.3</i>
17.5°	1111.2	1113.0	1114.9	1111.5	<i>1109.7</i>
20°	1090.5	1094.9	1099.4	1094.2	<i>1089.8</i>
22.5°	1066.5	1073.9	1080.5	1072.4	<i>1066.5</i>
25°	1039.6	1048.8	1056.5	1046.9	<i>1038.8</i>
27.5°	1010.4	1020.7	1028.1	1020.0	<i>1008.9</i>
30°	978.6	991.2	997.8	990.1	<i>977.2</i>
32.5°	944.7	959.4	963.5	958.7	<i>943.9</i>
35°	909.6	925.9	927.7	924.4	<i>909.6</i>
37.5°	873.1	888.6	890.0	888.2	<i>873.1</i>
40°	834.7	849.1	849.4	849.4	<i>834.7</i>
42.5°	793.7	807.7	807.7	807.4	<i>794.8</i>
45°	750.1	763.8	764.9	764.2	<i>751.2</i>
47.5°	706.9	717.3	719.1	717.6	<i>706.2</i>
50°	658.6	669.3	671.5	670.0	<i>661.2</i>
52.5°	610.6	620.6	622.8	621.7	<i>611.7</i>
55°	560.4	570.0	571.5	570.4	<i>560.4</i>
57.5°	512.0	518.3	519.8	517.6	<i>505.0</i>
60°	455.5	464.4	467.0	464.4	<i>452.6</i>
62.5°	400.9	410.5	412.7	409.0	<i>396.5</i>
65°	345.5	355.1	357.7	354.8	<i>341.1</i>
67.5°	293.1	300.1	302.3	299.0	<i>286.5</i>
70°	239.2	248.1	247.7	243.3	<i>232.2</i>
72.5°	186.1	198.2	196.0	193.4	<i>181.3</i>
75°	143.6	149.1	147.7	146.2	<i>136.2</i>
77.5°	102.6	109.3	105.6	105.9	<i>97.5</i>
80°	69.0	75.3	71.6	70.1	<i>65.7</i>
82.5°	43.9	46.5	45.8	45.0	<i>41.0</i>
85°	22.9	24.4	23.6	22.9	<i>21.4</i>
87.5°	8.9	9.6	8.9	8.9	<i>8.1</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



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







(END OF REPORT)