

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: P413071

Luminaire Tested: **22PD-35-PC3-L940**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413071
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-L940
Description: 3500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

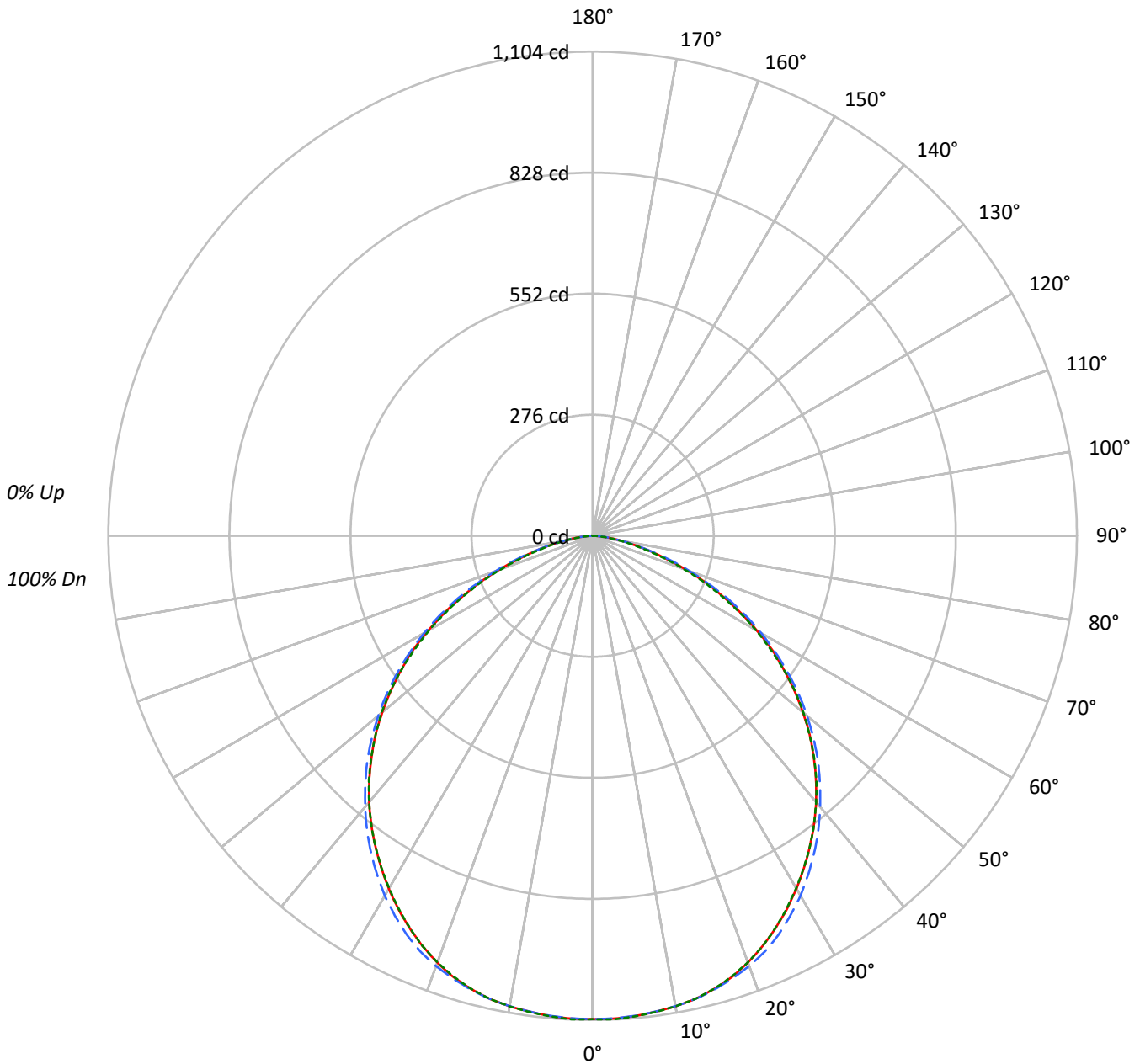
Lumens per Lamp: N/A
Luminaire Lumens: 2961.0 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P413071

CATALOG NUMBER: 22PD-35-PC3-L940

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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°	2966	2966	2966
5°	2970	2968	2972
10°	2977	2976	2977
15°	2981	2985	2980
20°	2966	2990	2964
25°	2931	2979	2929
30°	2888	2944	2884
35°	2838	2894	2838
40°	2784	2834	2784
45°	2711	2764	2715
50°	2618	2670	2629
55°	2497	2546	2497
60°	2328	2387	2313
65°	2089	2163	2062
70°	1788	1851	1735
75°	1418	1458	1345
80°	1017	1054	967
85°	670	692	627



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.6	3.5
10°-20°	302.1	10.2
20°-30°	458.3	15.5
30°-40°	547.3	18.5
40°-50°	556.6	18.8
50°-60°	481.4	16.3
60°-70°	331.3	11.2
70°-80°	150.4	5.1
80°-90°	29.1	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°	864.9	29.2
0°-40°	1412.2	47.7
0°-60°	2450.2	82.8
0°-90°	2961.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2961.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1102	1102	1102	1102	1102	
5°	1099	1098	1099	1099	1100	105
15°	1070	1071	1071	1070	1070	302
25°	987	996	1003	994	986	455
35°	864	879	881	878	864	540
45°	712	725	726	726	713	549
55°	532	541	543	542	532	475
65°	328	337	340	337	324	326
75°	136	142	140	139	129	147
85°	22	23	22	22	20	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1102.2	1102.2	1102.2	1102.2	<i>1102.2</i>
2.5°	<i>1102.2</i>	<i>1100.8</i>	<i>1101.1</i>	<i>1101.5</i>	<i>1103.6</i>
5°	1099.4	1098.3	1098.7	1098.7	<i>1100.1</i>
7.5°	1094.8	1094.5	1094.5	1094.1	<i>1095.2</i>
10°	1089.6	1088.9	1089.2	1088.9	<i>1089.6</i>
12.5°	1081.5	1081.5	1081.9	1080.8	<i>1081.5</i>
15°	1069.9	1070.6	1071.3	1069.6	<i>1069.6</i>
17.5°	1055.2	1057.0	1058.7	1055.6	<i>1053.8</i>
20°	1035.6	1039.8	1044.0	1039.1	<i>1034.9</i>
22.5°	1012.8	1019.8	1026.1	1018.4	<i>1012.8</i>
25°	987.2	996.0	1003.3	994.2	<i>986.5</i>
27.5°	959.5	969.3	976.3	968.6	<i>958.1</i>
30°	929.4	941.3	947.6	940.2	<i>928.0</i>
32.5°	897.1	911.1	915.0	910.4	<i>896.4</i>
35°	863.8	879.2	881.0	877.8	<i>863.8</i>
37.5°	829.1	843.8	845.2	843.5	<i>829.1</i>
40°	792.6	806.3	806.7	806.7	<i>792.6</i>
42.5°	753.7	767.1	767.1	766.7	<i>754.8</i>
45°	712.4	725.3	726.4	725.7	<i>713.4</i>
47.5°	671.3	681.2	682.9	681.5	<i>670.6</i>
50°	625.4	635.6	637.7	636.3	<i>627.9</i>
52.5°	579.8	589.3	591.4	590.4	<i>580.9</i>
55°	532.2	541.3	542.7	541.6	<i>532.2</i>
57.5°	486.2	492.2	493.6	491.5	<i>479.6</i>
60°	432.6	441.0	443.5	441.0	<i>429.8</i>
62.5°	380.7	389.8	391.9	388.4	<i>376.5</i>
65°	328.1	337.3	339.7	336.9	<i>323.9</i>
67.5°	278.4	285.0	287.1	284.0	<i>272.0</i>
70°	227.2	235.6	235.2	231.0	<i>220.5</i>
72.5°	176.7	188.3	186.2	183.7	<i>172.1</i>
75°	136.4	141.6	140.2	138.8	<i>129.4</i>
77.5°	97.5	103.8	100.3	100.6	<i>92.6</i>
80°	65.6	71.5	68.0	66.6	<i>62.4</i>
82.5°	41.7	44.2	43.5	42.8	<i>38.9</i>
85°	21.7	23.1	22.4	21.7	<i>20.3</i>
87.5°	8.4	9.1	8.4	8.4	<i>7.7</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)