

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: P413070

Luminaire Tested: **22PD-35-PC3-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413070
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-L935
Description: 3500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

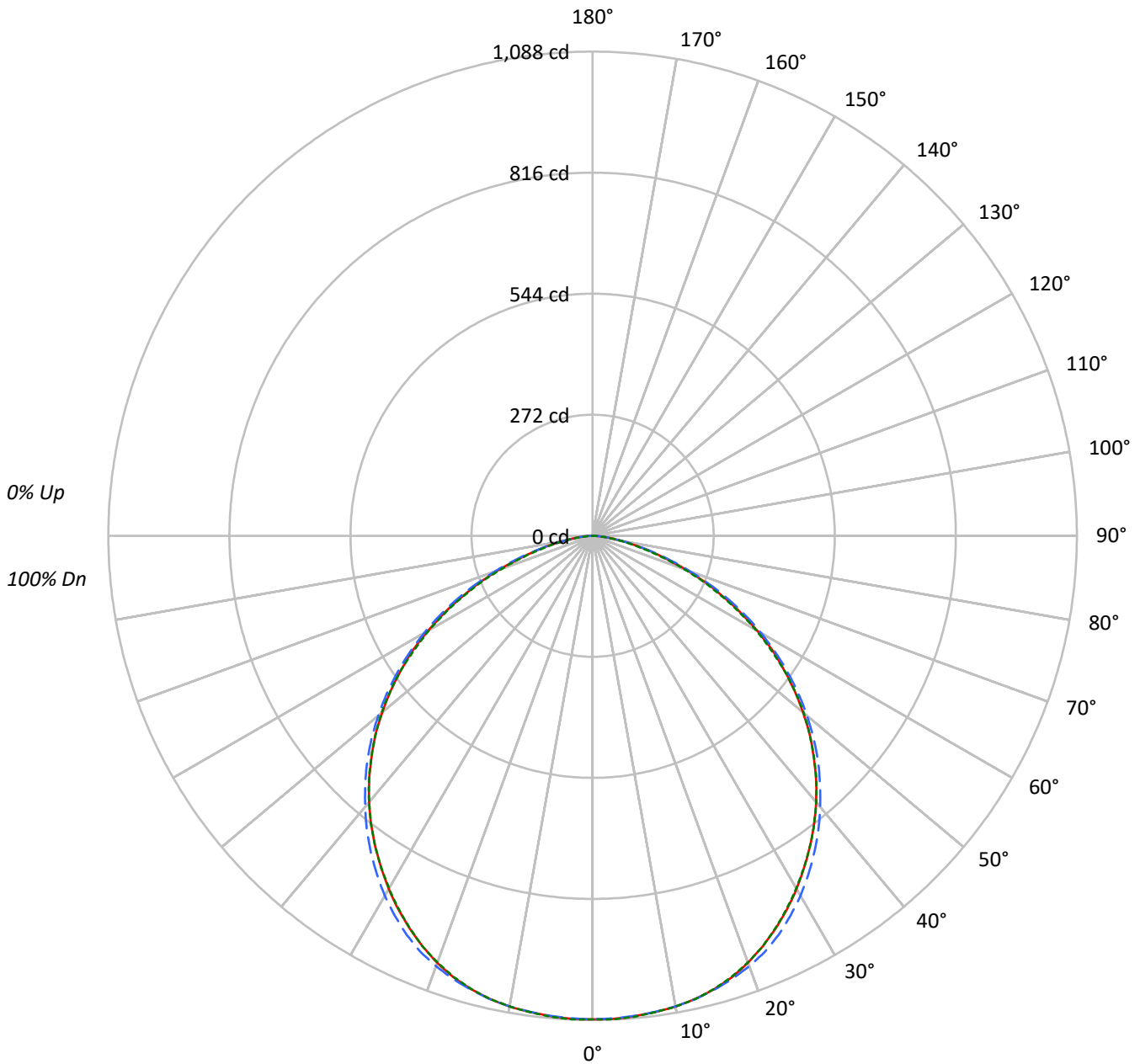
Lumens per Lamp: N/A
Luminaire Lumens: 2919.0 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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				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°	2924	2924	2924
5°	2928	2926	2930
10°	2935	2934	2935
15°	2939	2942	2937
20°	2924	2947	2922
25°	2890	2937	2888
30°	2847	2903	2843
35°	2798	2853	2798
40°	2745	2793	2745
45°	2673	2725	2676
50°	2581	2632	2591
55°	2461	2510	2461
60°	2295	2353	2280
65°	2060	2132	2033
70°	1762	1825	1710
75°	1397	1437	1326
80°	1001	1038	953
85°	661	682	618



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.1	3.5
10°-20°	297.8	10.2
20°-30°	451.8	15.5
30°-40°	539.5	18.5
40°-50°	548.7	18.8
50°-60°	474.6	16.3
60°-70°	326.6	11.2
70°-80°	148.2	5.1
80°-90°	28.7	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°	852.7	29.2
0°-40°	1392.2	47.7
0°-60°	2415.5	82.8
0°-90°	2919.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2919.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1087	1087	1087	1087	1087	
5°	1084	1083	1083	1083	1084	103
15°	1055	1056	1056	1054	1054	298
25°	973	982	989	980	972	448
35°	852	867	868	865	852	533
45°	702	715	716	715	703	542
55°	525	534	535	534	525	469
65°	324	332	335	332	319	321
75°	134	140	138	137	128	145
85°	21	23	22	21	20	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1086.6	1086.6	1086.6	1086.6	<i>1086.6</i>
2.5°	<i>1086.6</i>	<i>1085.2</i>	<i>1085.5</i>	<i>1085.9</i>	<i>1087.9</i>
5°	1083.8	1082.8	1083.1	1083.1	<i>1084.5</i>
7.5°	1079.3	1079.0	1079.0	1078.6	<i>1079.7</i>
10°	1074.1	1073.4	1073.8	1073.4	<i>1074.1</i>
12.5°	1066.2	1066.2	1066.5	1065.5	<i>1066.2</i>
15°	1054.8	1055.5	1056.2	1054.4	<i>1054.4</i>
17.5°	1040.3	1042.0	1043.7	1040.6	<i>1038.9</i>
20°	1020.9	1025.0	1029.2	1024.4	<i>1020.2</i>
22.5°	998.4	1005.3	1011.6	1004.0	<i>998.4</i>
25°	973.2	981.8	989.1	980.1	<i>972.5</i>
27.5°	945.9	955.6	962.5	954.9	<i>944.5</i>
30°	916.2	927.9	934.2	926.9	<i>914.8</i>
32.5°	884.4	898.2	902.0	897.5	<i>883.7</i>
35°	851.6	866.8	868.5	865.4	<i>851.6</i>
37.5°	817.3	831.9	833.2	831.5	<i>817.3</i>
40°	781.4	794.9	795.2	795.2	<i>781.4</i>
42.5°	743.0	756.2	756.2	755.8	<i>744.1</i>
45°	702.3	715.0	716.1	715.4	<i>703.3</i>
47.5°	661.8	671.5	673.2	671.8	<i>661.1</i>
50°	616.5	626.6	628.6	627.3	<i>619.0</i>
52.5°	571.6	581.0	583.0	582.0	<i>572.7</i>
55°	524.6	533.6	535.0	534.0	<i>524.6</i>
57.5°	479.3	485.2	486.6	484.5	<i>472.8</i>
60°	426.5	434.8	437.2	434.8	<i>423.7</i>
62.5°	375.3	384.3	386.4	382.9	<i>371.2</i>
65°	323.5	332.5	334.9	332.1	<i>319.3</i>
67.5°	274.4	281.0	283.0	279.9	<i>268.2</i>
70°	223.9	232.2	231.9	227.7	<i>217.4</i>
72.5°	174.2	185.6	183.5	181.1	<i>169.7</i>
75°	134.4	139.6	138.2	136.9	<i>127.5</i>
77.5°	96.1	102.3	98.8	99.2	<i>91.2</i>
80°	64.6	70.5	67.0	65.7	<i>61.5</i>
82.5°	41.1	43.5	42.9	42.2	<i>38.4</i>
85°	21.4	22.8	22.1	21.4	<i>20.0</i>
87.5°	8.3	9.0	8.3	8.3	<i>7.6</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)