

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: P413189

Luminaire Tested: **24PD-35-PC3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413189
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-35-PC3-L950
Description: 3500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

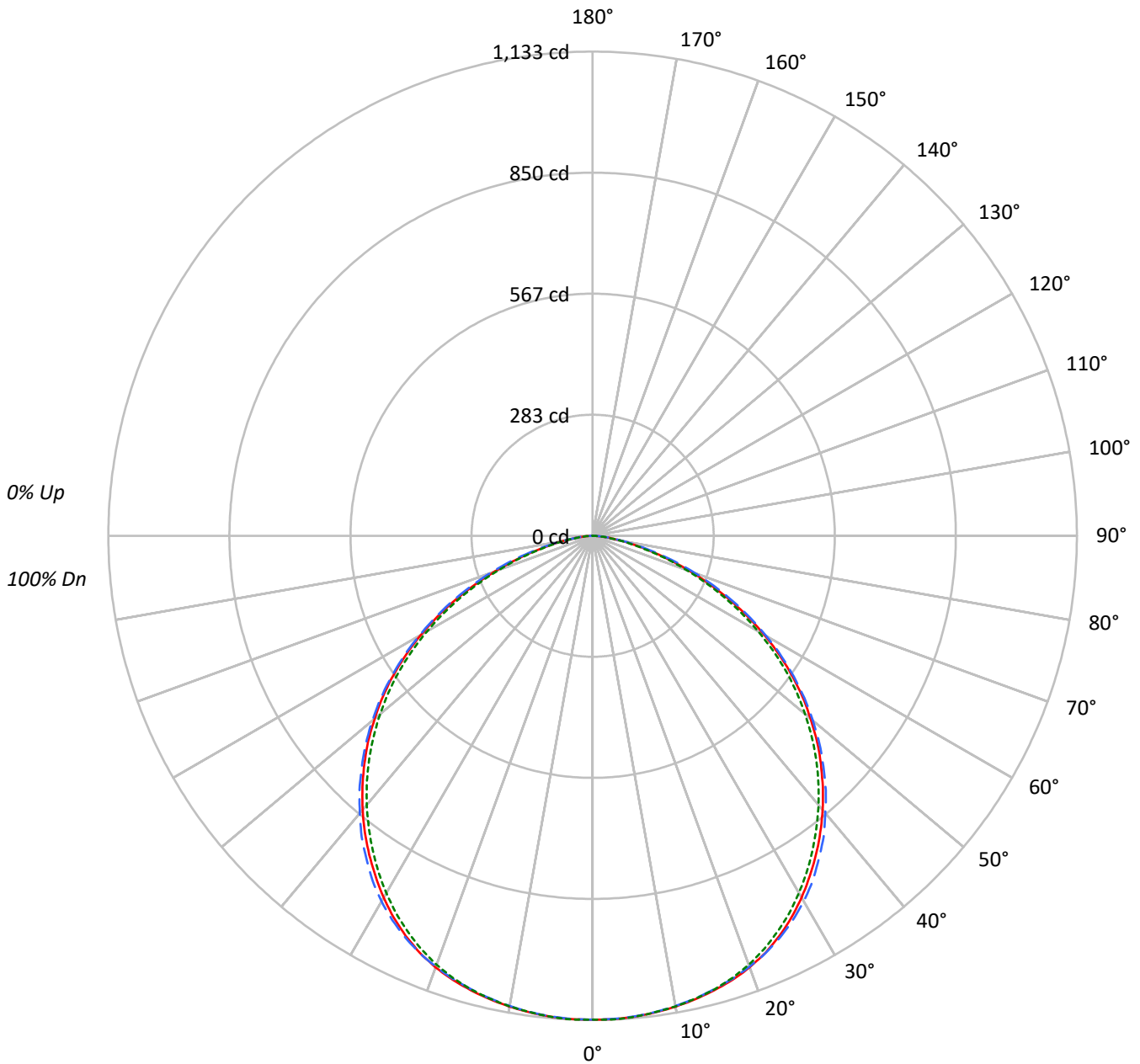
Lumens per Lamp: N/A
Luminaire Lumens: 3095.0 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 25.3
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





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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°	1523	1523	1523
5°	1526	1525	1526
10°	1529	1527	1528
15°	1534	1530	1531
20°	1539	1536	1530
25°	1534	1540	1518
30°	1519	1535	1500
35°	1497	1516	1474
40°	1470	1488	1444
45°	1437	1453	1407
50°	1393	1408	1358
55°	1335	1347	1296
60°	1247	1261	1204
65°	1124	1151	1080
70°	954	996	915
75°	739	792	704
80°	549	573	498
85°	340	363	315



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.4	3.5
10°-20°	310.5	10.0
20°-30°	475.5	15.4
30°-40°	572.1	18.5
40°-50°	583.4	18.8
50°-60°	505.7	16.3
60°-70°	350.6	11.3
70°-80°	160.1	5.2
80°-90°	29.6	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°	893.5	28.9
0°-40°	1465.6	47.4
0°-60°	2554.7	82.5
0°-90°	3095.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3095.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1132	1132	1132	1132	1132	
5°	1130	1130	1129	1128	1130	107
15°	1101	1101	1099	1098	1099	311
25°	1034	1036	1037	1028	1023	476
35°	911	921	923	911	897	570
45°	755	765	763	753	740	582
55°	569	573	574	560	552	507
65°	353	360	362	349	339	349
75°	142	150	152	147	136	155
85°	22	23	24	22	20	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1132.3	1132.3	1132.3	1132.3	<i>1132.3</i>
2.5°	<i>1132.3</i>	<i>1132.3</i>	<i>1131.7</i>	<i>1131.1</i>	<i>1132.9</i>
5°	1129.5	1129.5	1128.9	1128.2	<i>1129.8</i>
7.5°	1125.1	1124.8	1124.2	1123.5	<i>1124.5</i>
10°	1118.8	1118.5	1117.3	1116.9	<i>1118.2</i>
12.5°	1111.0	1110.7	1108.8	1108.8	<i>1109.7</i>
15°	1100.9	1100.6	1098.7	1097.8	<i>1099.1</i>
17.5°	1089.7	1089.3	1087.1	1084.6	<i>1085.3</i>
20°	1074.6	1074.6	1073.0	1069.3	<i>1068.3</i>
22.5°	1056.4	1057.3	1057.3	1050.1	<i>1047.3</i>
25°	1033.5	1036.3	1037.3	1028.2	<i>1022.8</i>
27.5°	1007.5	1011.9	1014.4	1002.8	<i>995.9</i>
30°	977.7	984.9	988.0	975.5	<i>965.4</i>
32.5°	945.1	954.2	957.9	945.7	<i>932.8</i>
35°	911.2	920.9	922.8	910.9	<i>897.4</i>
37.5°	875.1	885.1	887.7	877.0	<i>860.4</i>
40°	837.2	847.2	847.2	838.4	<i>822.1</i>
42.5°	797.0	807.7	807.4	796.7	<i>782.0</i>
45°	755.3	764.7	763.4	753.1	<i>739.6</i>
47.5°	712.3	718.3	719.8	707.6	<i>694.8</i>
50°	665.3	671.2	672.8	659.0	<i>649.0</i>
52.5°	618.8	622.6	624.8	608.8	<i>601.6</i>
55°	569.3	572.7	574.3	560.2	<i>552.4</i>
57.5°	516.9	521.3	523.2	509.1	<i>500.3</i>
60°	463.3	468.0	468.6	455.4	<i>447.3</i>
62.5°	408.7	415.0	416.2	403.1	<i>393.3</i>
65°	352.9	360.4	361.6	349.4	<i>339.1</i>
67.5°	297.0	307.1	307.4	297.3	<i>285.1</i>
70°	242.5	253.4	253.1	244.7	<i>232.7</i>
72.5°	190.4	200.4	202.6	194.8	<i>183.2</i>
75°	142.1	149.9	152.4	147.4	<i>135.5</i>
77.5°	101.0	108.2	110.4	105.7	<i>96.9</i>
80°	70.9	71.2	74.0	70.3	<i>64.3</i>
82.5°	43.9	43.3	44.2	42.7	<i>39.2</i>
85°	22.0	22.6	23.5	22.3	<i>20.4</i>
87.5°	7.5	7.8	8.5	8.5	<i>7.5</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)