

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: P412676

Luminaire Tested: **14PD-50-PP3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412676
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: 14PD-50-PP3-L950
Description: 5000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

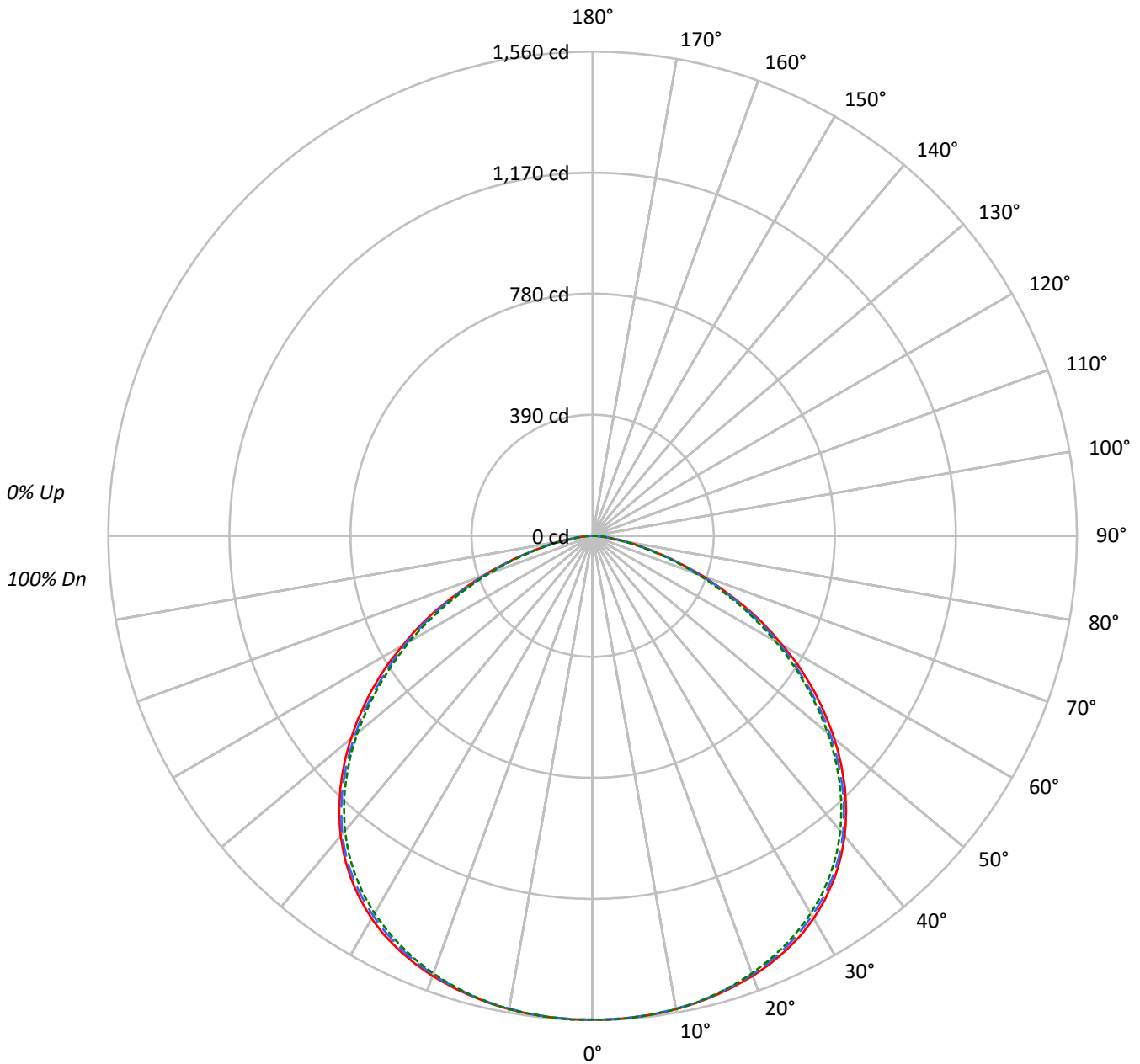
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4536.0 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 48.6
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	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°	4195	4195	4195
5°	4206	4205	4207
10°	4232	4227	4231
15°	4270	4263	4261
20°	4321	4307	4297
25°	4376	4353	4333
30°	4424	4393	4365
35°	4448	4421	4381
40°	4436	4409	4360
45°	4373	4330	4282
50°	4253	4184	4141
55°	4077	3979	3928
60°	3799	3732	3657
65°	3443	3374	3276
70°	2939	2885	2792
75°	2296	2272	2164
80°	1692	1623	1531
85°	1022	1022	951



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.3	3.3
10°-20°	432.8	9.5
20°-30°	676.5	14.9
30°-40°	840.7	18.5
40°-50°	875.9	19.3
50°-60°	760.1	16.8
60°-70°	522.6	11.5
70°-80°	235.9	5.2
80°-90°	43.2	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°	1257.5	27.7
0°-40°	2098.2	46.3
0°-60°	3734.3	82.3
0°-90°	4536.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4536.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1559	1559	1559	1559	1559	
5°	1557	1558	1557	1555	1558	148
15°	1533	1533	1530	1529	1529	433
25°	1474	1473	1466	1460	1459	680
35°	1354	1354	1346	1338	1334	846
45°	1149	1150	1138	1129	1125	884
55°	869	864	848	838	837	774
65°	541	538	530	517	514	534
75°	221	222	218	213	208	240
85°	33	33	33	33	31	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1558.9	1558.9	1558.9	1558.9	1558.9
2.5°	1559.3	1559.3	1558.4	1557.1	1560.3
5°	1557.1	1557.5	1556.6	1555.3	1557.5
7.5°	1553.9	1554.4	1553.0	1551.6	1553.5
10°	1548.9	1548.5	1547.1	1546.2	1548.5
12.5°	1541.7	1541.2	1539.9	1538.9	1540.8
15°	1532.6	1532.6	1530.3	1529.0	1529.4
17.5°	1521.7	1521.7	1518.5	1515.4	1516.3
20°	1509.0	1508.6	1504.0	1500.9	1500.4
22.5°	1493.2	1493.2	1486.8	1482.7	1481.4
25°	1473.7	1473.2	1466.0	1460.1	1459.2
27.5°	1451.5	1450.6	1441.9	1436.0	1433.8
30°	1423.8	1422.9	1413.8	1407.5	1404.8
32.5°	1391.2	1392.5	1382.1	1374.9	1372.1
35°	1354.0	1354.0	1345.8	1338.1	1333.6
37.5°	1311.4	1311.4	1303.7	1296.0	1290.5
40°	1262.9	1263.3	1255.2	1245.7	1241.1
42.5°	1208.5	1209.4	1198.5	1190.8	1185.8
45°	1149.1	1149.6	1137.8	1129.2	1125.1
47.5°	1084.7	1083.8	1070.7	1063.4	1059.4
50°	1015.8	1014.0	999.5	992.7	989.1
52.5°	943.8	940.1	927.4	917.5	914.3
55°	869.0	864.0	848.1	838.1	837.2
57.5°	791.0	785.1	772.0	762.4	758.8
60°	705.8	704.4	693.5	682.2	679.5
62.5°	626.0	621.9	612.4	598.8	597.4
65°	540.8	538.5	529.9	517.2	514.5
67.5°	452.8	455.1	447.9	436.5	432.9
70°	373.5	374.9	366.7	356.3	354.9
72.5°	293.7	296.0	289.2	282.4	281.0
75°	220.8	221.7	218.5	212.6	208.1
77.5°	156.8	160.0	156.4	152.3	148.7
80°	109.2	104.3	104.7	102.9	98.8
82.5°	65.7	63.5	63.0	61.2	59.4
85°	33.1	32.6	33.1	32.6	30.8
87.5°	10.9	11.8	12.2	12.2	11.3
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)