

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: P412690

Luminaire Tested: **14PD-60-PP3-L927**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412690
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-60-PP3-L927
Description: 6000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

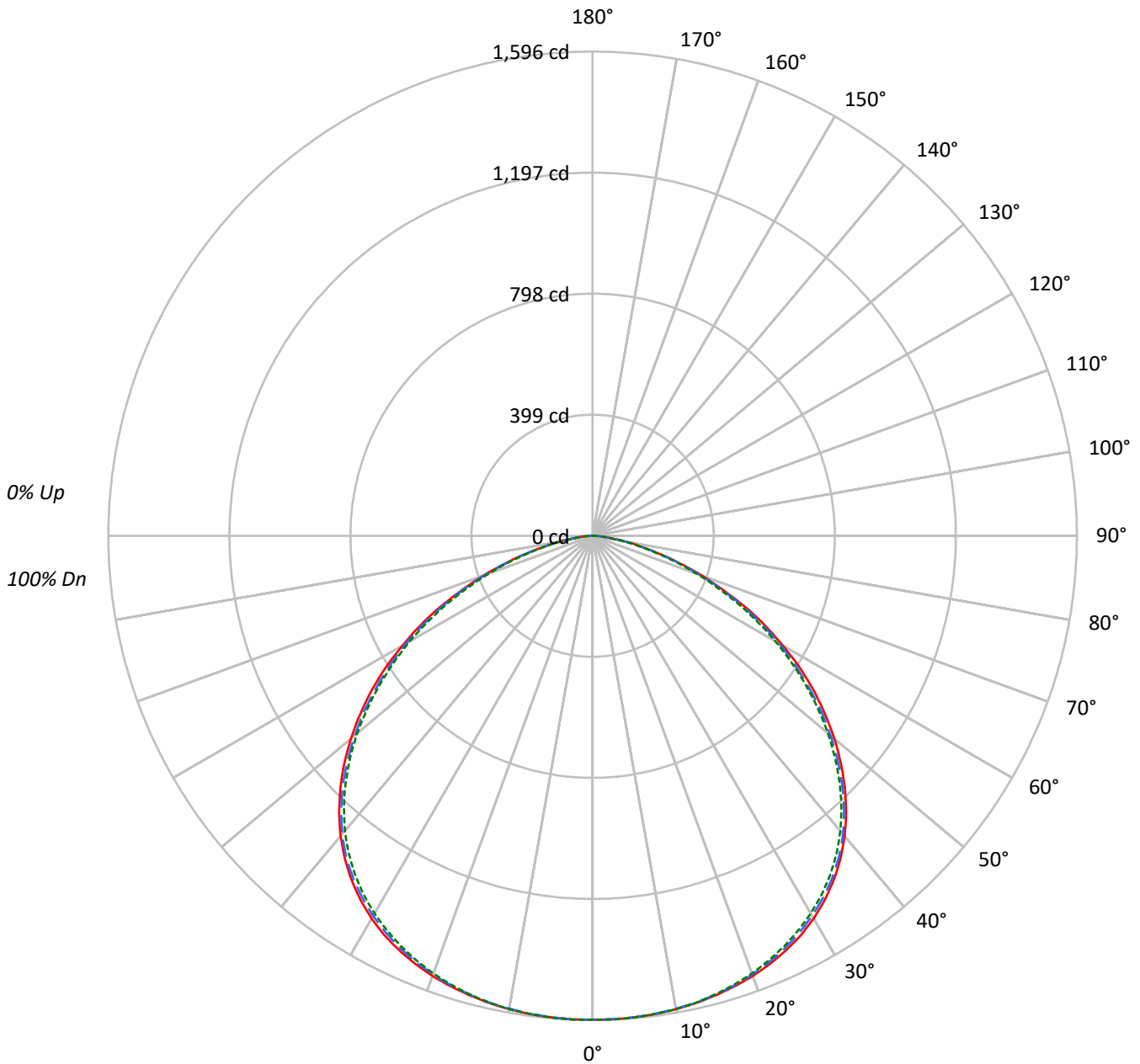
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4641.0 lumens
Efficiency: N/A
Efficacy: 78.3 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): 59.3
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									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°	4292	4292	4292
5°	4303	4302	4305
10°	4330	4325	4329
15°	4369	4362	4359
20°	4422	4407	4396
25°	4477	4453	4433
30°	4527	4495	4466
35°	4551	4524	4482
40°	4539	4511	4461
45°	4474	4430	4381
50°	4351	4281	4237
55°	4171	4071	4019
60°	3886	3819	3742
65°	3523	3452	3352
70°	3007	2952	2857
75°	2349	2324	2214
80°	1733	1660	1567
85°	1047	1047	973



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.7	3.3
10°-20°	442.8	9.5
20°-30°	692.1	14.9
30°-40°	860.2	18.5
40°-50°	896.2	19.3
50°-60°	777.7	16.8
60°-70°	534.7	11.5
70°-80°	241.3	5.2
80°-90°	44.2	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°	1286.7	27.7
0°-40°	2146.8	46.3
0°-60°	3820.7	82.3
0°-90°	4641.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4641.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1595	1595	1595	1595	1595	
5°	1593	1594	1593	1591	1594	152
15°	1568	1568	1566	1564	1565	444
25°	1508	1507	1500	1494	1493	696
35°	1385	1385	1377	1369	1364	866
45°	1176	1176	1164	1155	1151	905
55°	889	884	868	858	857	792
65°	553	551	542	529	526	546
75°	226	227	224	218	213	246
85°	34	33	34	33	32	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1595.0	1595.0	1595.0	1595.0	1595.0
2.5°	1595.4	1595.4	1594.5	1593.1	1596.4
5°	1593.1	1593.6	1592.7	1591.3	1593.6
7.5°	1589.9	1590.3	1588.9	1587.6	1589.4
10°	1584.8	1584.3	1582.9	1582.0	1584.3
12.5°	1577.4	1576.9	1575.5	1574.6	1576.4
15°	1568.1	1568.1	1565.8	1564.4	1564.8
17.5°	1556.9	1556.9	1553.7	1550.5	1551.4
20°	1544.0	1543.5	1538.9	1535.6	1535.1
22.5°	1527.7	1527.7	1521.2	1517.1	1515.7
25°	1507.8	1507.3	1499.9	1493.9	1492.9
27.5°	1485.1	1484.1	1475.3	1469.3	1467.0
30°	1456.8	1455.8	1446.6	1440.1	1437.3
32.5°	1423.4	1424.8	1414.1	1406.7	1403.9
35°	1385.3	1385.3	1377.0	1369.1	1364.5
37.5°	1341.7	1341.7	1333.9	1326.0	1320.4
40°	1292.1	1292.6	1284.2	1274.5	1269.9
42.5°	1236.5	1237.4	1226.3	1218.4	1213.3
45°	1175.7	1176.2	1164.1	1155.3	1151.1
47.5°	1109.9	1108.9	1095.5	1088.1	1083.9
50°	1039.4	1037.5	1022.7	1015.7	1012.0
52.5°	965.6	961.9	948.9	938.7	935.5
55°	889.1	884.0	867.8	857.5	856.6
57.5°	809.3	803.3	789.8	780.1	776.4
60°	722.1	720.7	709.6	698.0	695.2
62.5°	640.5	636.3	626.6	612.7	611.3
65°	553.3	551.0	542.2	529.2	526.4
67.5°	463.3	465.6	458.2	446.6	442.9
70°	382.2	383.6	375.2	364.5	363.1
72.5°	300.5	302.9	295.9	288.9	287.6
75°	225.9	226.8	223.5	217.5	212.9
77.5°	160.5	163.7	160.0	155.8	152.1
80°	111.8	106.7	107.1	105.3	101.1
82.5°	67.2	64.9	64.5	62.6	60.8
85°	33.9	33.4	33.9	33.4	31.5
87.5°	11.1	12.1	12.5	12.5	11.6
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)