

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: P412960

Luminaire Tested: **14PD-20-PC3-L927**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412960
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-57)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-20-PC3-L927
Description: 2000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

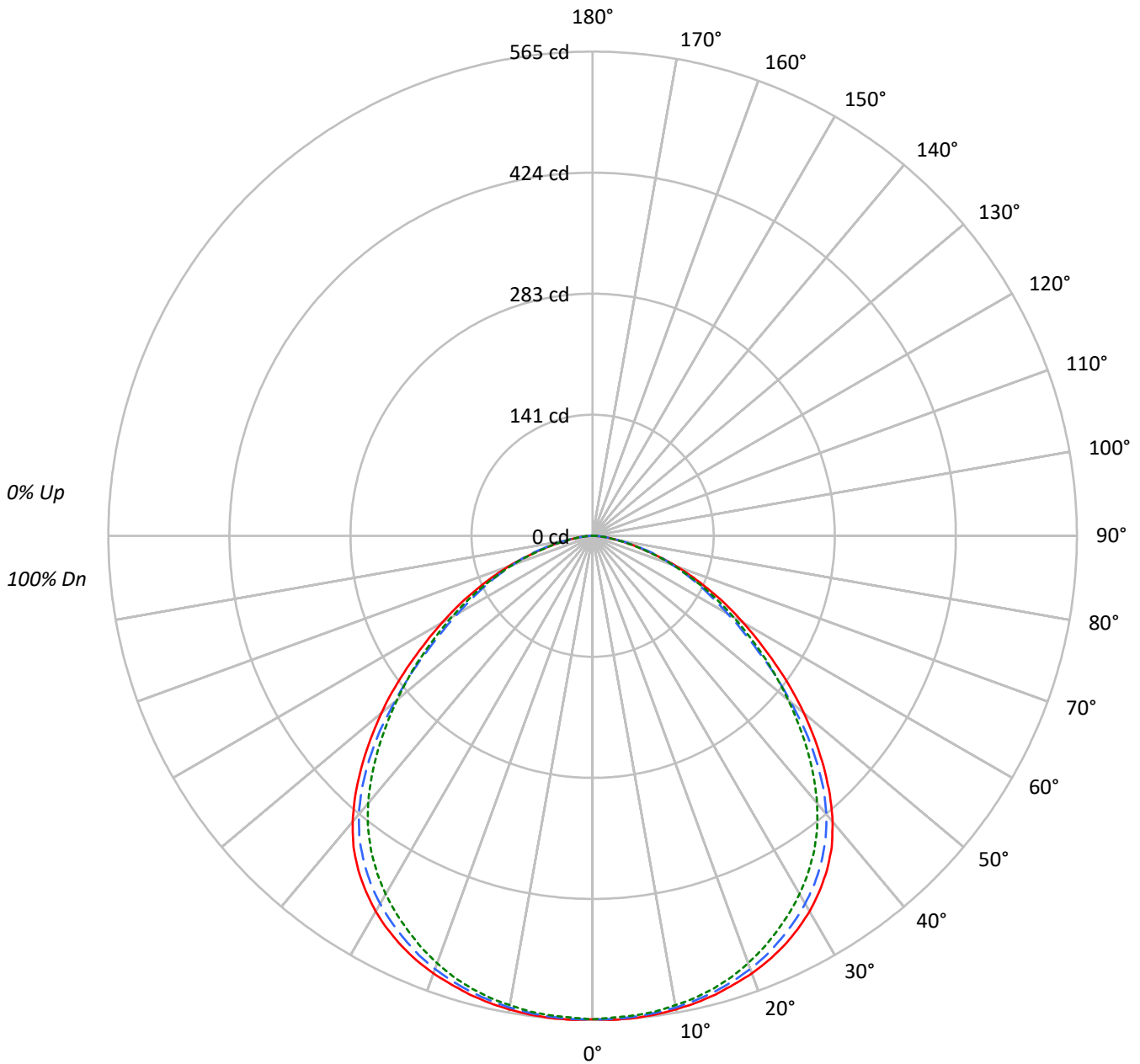
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1458.0 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 17.4
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	110	106	102	98	107	103	100	97	99	96	93	95	93	91	92	90	88	86																			
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73																			
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62																			
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54																			
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	53	49	47																			
6	72	60	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43	41																			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37																			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33																			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30																			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1518	1518	1518
5°	1526	1522	1518
10°	1533	1527	1520
15°	1544	1534	1523
20°	1556	1540	1520
25°	1567	1542	1511
30°	1573	1541	1501
35°	1566	1528	1479
40°	1530	1491	1431
45°	1450	1401	1349
50°	1346	1261	1246
55°	1219	1111	1136
60°	1090	978	1021
65°	961	877	907
70°	818	777	783
75°	629	663	611
80°	462	485	457
85°	309	340	333



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.6	3.7
10°-20°	155.4	10.7
20°-30°	239.0	16.4
30°-40°	289.2	19.8
40°-50°	282.4	19.4
50°-60°	218.2	15.0
60°-70°	140.1	9.6
70°-80°	66.1	4.5
80°-90°	13.9	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°	448.1	30.7
0°-40°	737.3	50.6
0°-60°	1237.9	84.9
0°-90°	1458.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1458.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	564	564	564	564	564	
5°	565	562	563	563	562	54
15°	554	551	551	549	547	157
25°	528	524	519	513	509	243
35°	477	472	465	455	450	297
45°	381	376	368	359	355	293
55°	260	247	237	237	242	233
65°	151	142	138	136	142	150
75°	60	62	64	58	59	66
85°	10	12	11	11	11	13
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	564.2	564.2	564.2	564.2	564.2
2.5°	565.4	563.2	564.4	564.4	562.7
5°	564.9	562.4	563.4	562.9	561.9
7.5°	563.4	560.9	561.7	561.2	559.9
10°	561.2	558.4	558.9	557.9	556.2
12.5°	558.2	555.7	555.2	553.7	552.4
15°	554.2	551.4	550.7	548.7	546.7
17.5°	548.9	546.2	544.9	541.9	539.7
20°	543.4	540.2	537.9	533.4	530.7
22.5°	536.4	532.7	529.7	523.4	520.7
25°	527.9	523.7	519.4	512.7	508.9
27.5°	517.9	513.4	508.4	500.9	496.7
30°	506.2	501.7	495.9	487.4	482.9
32.5°	492.2	487.7	481.7	471.9	467.4
35°	476.7	471.7	465.1	454.6	450.1
37.5°	458.1	452.6	446.6	435.1	430.4
40°	435.6	430.9	424.4	412.9	407.4
42.5°	409.6	405.4	398.1	387.1	381.9
45°	381.1	376.4	368.1	358.6	354.6
47.5°	351.4	344.4	336.4	328.1	325.9
50°	321.6	312.6	301.1	296.8	297.6
52.5°	291.1	279.6	269.6	266.3	270.1
55°	259.8	247.3	236.8	237.1	242.1
57.5°	230.1	217.1	208.3	208.3	214.8
60°	202.6	190.6	181.8	181.6	189.8
62.5°	177.1	164.8	158.3	158.3	165.8
65°	151.0	142.0	137.8	136.3	142.5
67.5°	127.0	120.8	117.8	116.0	120.0
70°	104.0	100.0	98.8	96.8	99.5
72.5°	81.3	80.3	82.8	78.0	79.3
75°	60.5	61.5	63.8	58.5	58.8
77.5°	43.5	45.5	46.3	43.8	43.8
80°	29.8	32.3	31.3	30.0	29.5
82.5°	19.0	20.3	20.3	19.5	19.0
85°	10.0	11.5	11.0	10.8	10.8
87.5°	3.8	5.3	5.3	5.0	4.8
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)