

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: P412981

Luminaire Tested: **14PD-30-PC3-L940**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412981
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-30-PC3-L940
Description: 3000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

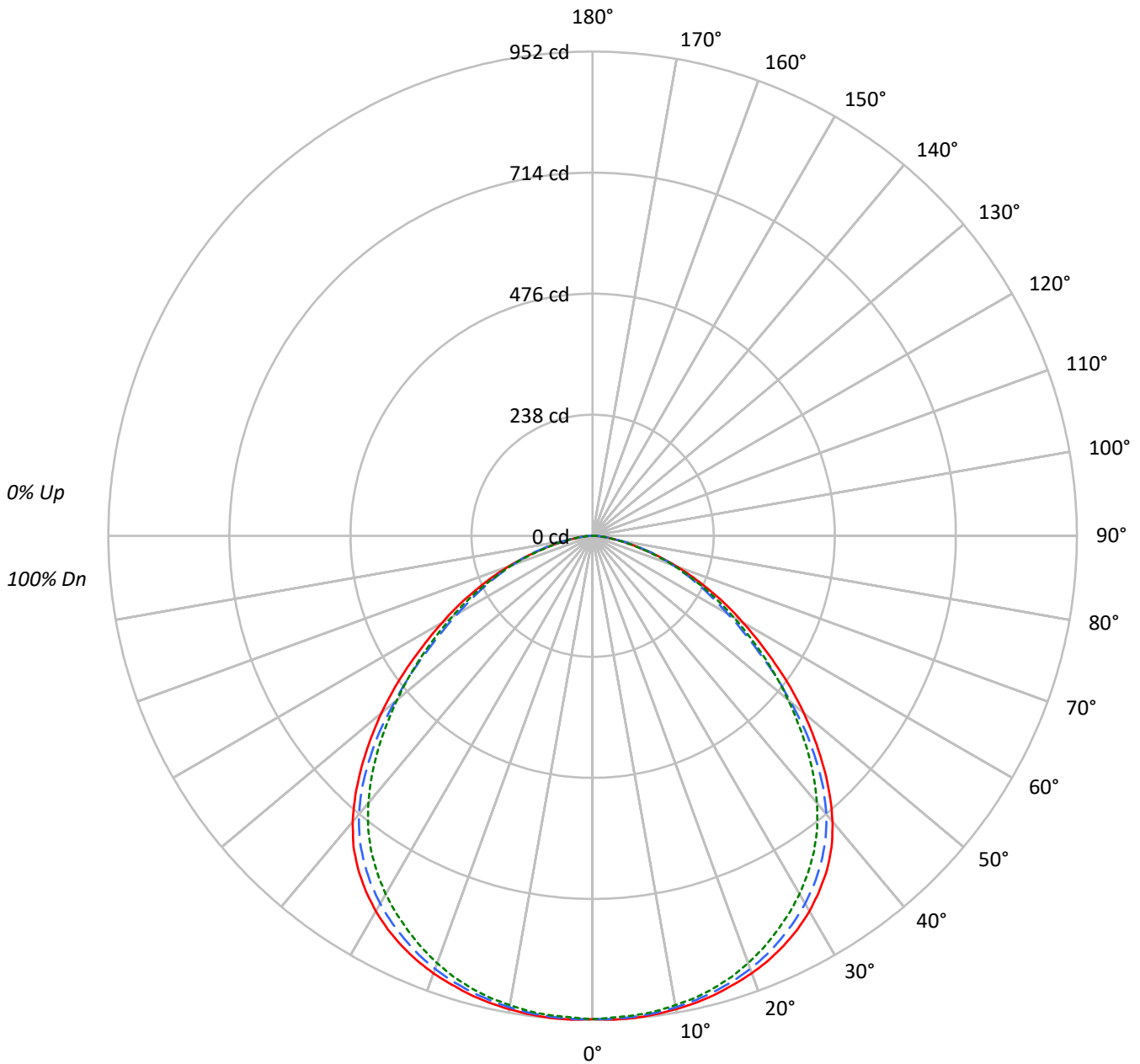
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2456.0 lumens
Efficiency: N/A
Efficacy: 91.0 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): 27
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	94	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°	2558	2558	2558
5°	2571	2564	2557
10°	2583	2573	2560
15°	2601	2584	2566
20°	2621	2595	2560
25°	2640	2598	2545
30°	2649	2596	2528
35°	2638	2574	2491
40°	2578	2511	2410
45°	2443	2360	2273
50°	2268	2123	2099
55°	2054	1871	1913
60°	1836	1648	1721
65°	1620	1478	1529
70°	1378	1309	1319
75°	1059	1117	1029
80°	776	817	770
85°	522	571	559



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.3	3.7
10°-20°	261.8	10.7
20°-30°	402.7	16.4
30°-40°	487.2	19.8
40°-50°	475.7	19.4
50°-60°	367.6	15.0
60°-70°	236.1	9.6
70°-80°	111.4	4.5
80°-90°	23.4	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°	754.7	30.7
0°-40°	1242.0	50.6
0°-60°	2085.2	84.9
0°-90°	2456.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2456.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	950	950	950	950	950	
5°	952	947	949	948	947	91
15°	934	929	928	924	921	264
25°	889	882	875	864	857	410
35°	803	794	784	766	758	501
45°	642	634	620	604	597	494
55°	438	417	399	399	408	392
65°	254	239	232	230	240	253
75°	102	104	107	99	99	112
85°	17	19	18	18	18	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	950.4	950.4	950.4	950.4	950.4
2.5°	952.5	948.7	950.8	950.8	947.8
5°	951.6	947.4	949.1	948.3	946.6
7.5°	949.1	944.9	946.1	945.3	943.2
10°	945.3	940.7	941.5	939.8	936.9
12.5°	940.3	936.0	935.2	932.7	930.6
15°	933.5	928.9	927.6	924.2	920.9
17.5°	924.7	920.0	917.9	912.9	909.1
20°	915.4	909.9	906.1	898.5	893.9
22.5°	903.6	897.3	892.2	881.7	877.1
25°	889.3	882.1	875.0	863.6	857.3
27.5°	872.4	864.8	856.4	843.8	836.6
30°	852.6	845.0	835.4	821.0	813.5
32.5°	829.0	821.5	811.3	794.9	787.3
35°	802.9	794.5	783.5	765.9	758.3
37.5°	771.7	762.5	752.4	733.0	725.0
40°	733.8	725.8	714.9	695.5	686.2
42.5°	690.0	682.9	670.6	652.1	643.3
45°	642.0	634.0	620.1	604.1	597.3
47.5°	591.9	580.1	566.6	552.7	548.9
50°	541.7	526.6	507.2	500.0	501.3
52.5°	490.3	471.0	454.1	448.6	455.0
55°	437.7	416.6	398.9	399.4	407.8
57.5°	387.6	365.7	350.9	350.9	361.9
60°	341.2	321.0	306.3	305.8	319.7
62.5°	298.3	277.6	266.7	266.7	279.3
65°	254.4	239.3	232.1	229.6	240.1
67.5°	214.0	203.5	198.4	195.5	202.2
70°	175.2	168.5	166.4	163.0	167.7
72.5°	136.9	135.2	139.4	131.4	133.5
75°	101.9	103.6	107.4	98.6	99.0
77.5°	73.3	76.7	77.9	73.7	73.7
80°	50.1	54.3	52.7	50.6	49.7
82.5°	32.0	34.1	34.1	32.9	32.0
85°	16.9	19.4	18.5	18.1	18.1
87.5°	6.3	8.8	8.8	8.4	8.0
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)