

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: P412967

Luminaire Tested: **14PD-25-PC3-L840**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412967
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-25-PC3-L840
Description: 2500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

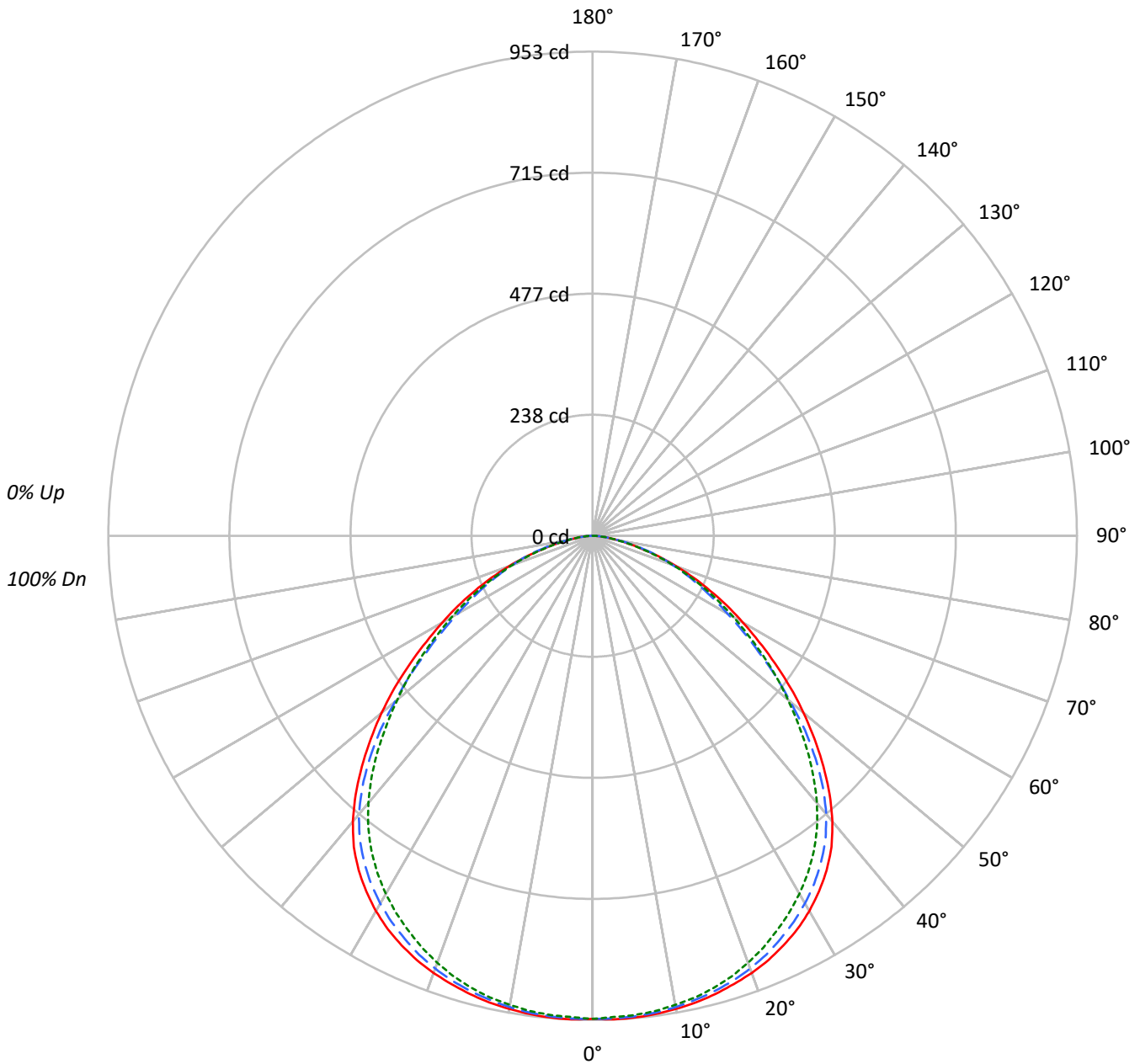
Lumens per Lamp: N/A
Luminaire Lumens: 2457.0 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.7
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°	2572	2565	2558
10°	2584	2574	2561
15°	2602	2585	2566
20°	2623	2596	2561
25°	2641	2599	2546
30°	2651	2597	2529
35°	2639	2575	2492
40°	2579	2512	2412
45°	2444	2361	2274
50°	2269	2124	2099
55°	2054	1872	1914
60°	1837	1649	1722
65°	1621	1479	1529
70°	1379	1310	1319
75°	1061	1118	1029
80°	778	817	770
85°	522	571	559



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.3	3.7
10°-20°	261.9	10.7
20°-30°	402.8	16.4
30°-40°	487.4	19.8
40°-50°	475.9	19.4
50°-60°	367.7	15.0
60°-70°	236.1	9.6
70°-80°	111.5	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°	755.1	30.7
0°-40°	1242.5	50.6
0°-60°	2086.0	84.9
0°-90°	2457.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2457.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	951	951	951	951	951	
5°	952	948	950	949	947	91
15°	934	929	928	925	921	264
25°	890	882	875	864	858	410
35°	803	795	784	766	759	501
45°	642	634	620	604	598	494
55°	438	417	399	400	408	393
65°	254	239	232	230	240	253
75°	102	104	108	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°	950.7	950.7	950.7	950.7	950.7
2.5°	952.9	949.1	951.2	951.2	948.2
5°	952.0	947.8	949.5	948.6	947.0
7.5°	949.5	945.3	946.5	945.7	943.6
10°	945.7	941.1	941.9	940.2	937.3
12.5°	940.6	936.4	935.6	933.0	930.9
15°	933.9	929.3	928.0	924.6	921.2
17.5°	925.0	920.4	918.3	913.2	909.4
20°	915.8	910.3	906.5	898.9	894.3
22.5°	904.0	897.6	892.6	882.1	877.4
25°	889.6	882.5	875.3	863.9	857.6
27.5°	872.8	865.2	856.8	844.1	837.0
30°	853.0	845.4	835.7	821.4	813.8
32.5°	829.4	821.8	811.7	795.2	787.7
35°	803.2	794.8	783.9	766.2	758.6
37.5°	772.1	762.8	752.7	733.3	725.3
40°	734.1	726.1	715.2	695.8	686.5
42.5°	690.3	683.1	670.9	652.4	643.5
45°	642.3	634.3	620.3	604.3	597.6
47.5°	592.1	580.3	566.8	552.9	549.1
50°	542.0	526.8	507.4	500.2	501.5
52.5°	490.5	471.2	454.3	448.8	455.1
55°	437.9	416.8	399.1	399.5	407.9
57.5°	387.7	365.8	351.1	351.1	362.0
60°	341.4	321.1	306.4	306.0	319.9
62.5°	298.4	277.7	266.8	266.8	279.4
65°	254.5	239.4	232.2	229.7	240.2
67.5°	214.1	203.6	198.5	195.5	202.3
70°	175.3	168.6	166.5	163.1	167.7
72.5°	137.0	135.3	139.5	131.5	133.6
75°	102.0	103.7	107.5	98.6	99.0
77.5°	73.3	76.7	78.0	73.8	73.8
80°	50.2	54.4	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	8.9	8.9	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)