

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: P412987

Luminaire Tested: **14PD-35-PC3-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412987
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-35-PC3-L927
Description: 3500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

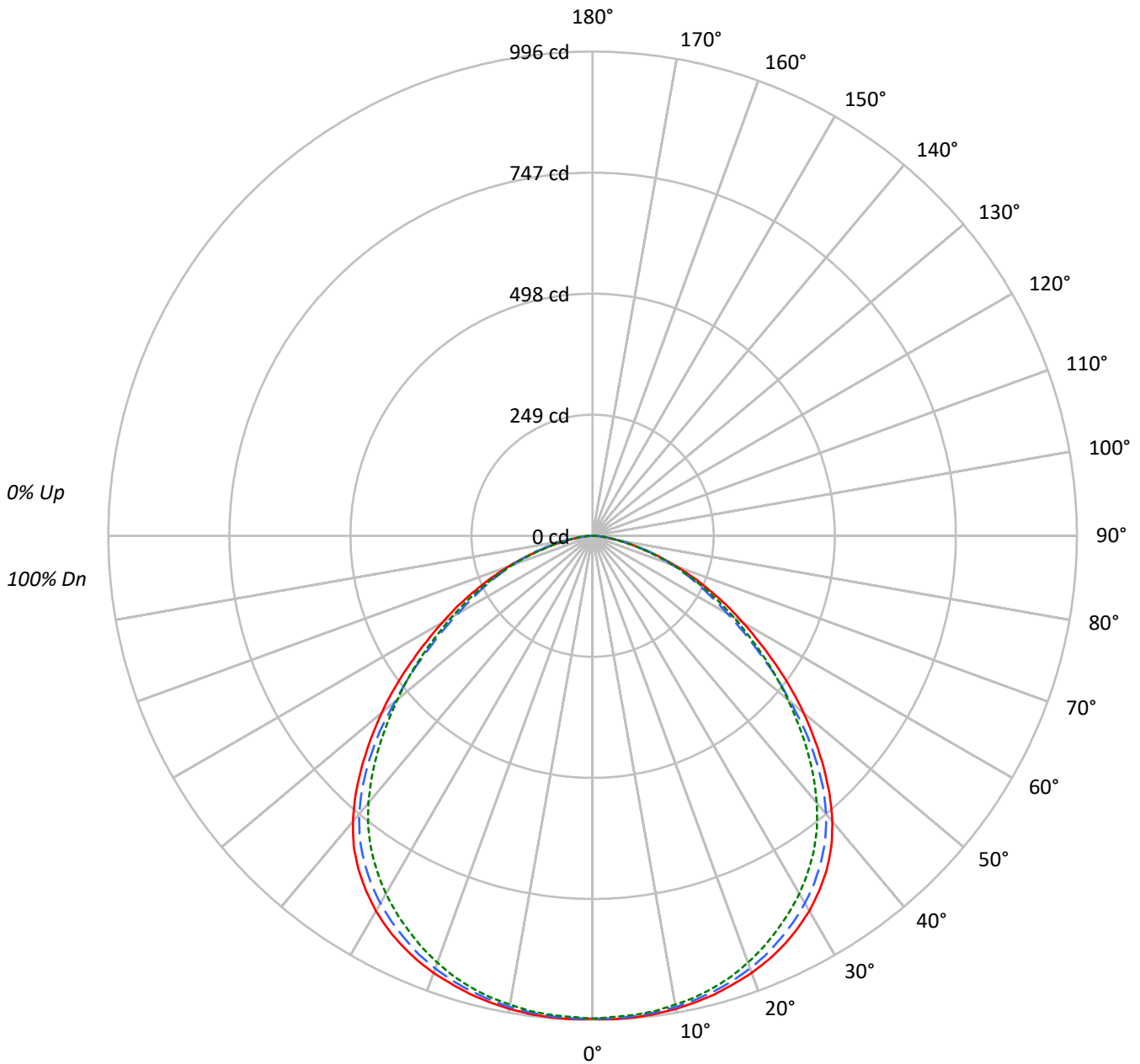
Lumens per Lamp: N/A
Luminaire Lumens: 2567.0 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 31.8
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°	2673	2673	2673
5°	2687	2680	2673
10°	2700	2689	2676
15°	2718	2701	2681
20°	2740	2712	2676
25°	2760	2715	2660
30°	2769	2713	2642
35°	2757	2690	2603
40°	2694	2625	2519
45°	2554	2466	2376
50°	2370	2219	2194
55°	2146	1956	2000
60°	1919	1723	1799
65°	1693	1545	1598
70°	1441	1368	1378
75°	1108	1168	1076
80°	812	852	806
85°	543	599	584



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.4	3.7
10°-20°	273.6	10.7
20°-30°	420.8	16.4
30°-40°	509.2	19.8
40°-50°	497.2	19.4
50°-60°	384.2	15.0
60°-70°	246.7	9.6
70°-80°	116.4	4.5
80°-90°	24.4	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°	788.9	30.7
0°-40°	1298.1	50.6
0°-60°	2179.4	84.9
0°-90°	2567.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2567.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	993	993	993	993	993	
5°	995	990	992	991	989	95
15°	976	971	970	966	962	276
25°	930	922	914	903	896	428
35°	839	830	819	800	792	523
45°	671	663	648	631	624	516
55°	458	436	417	417	426	410
65°	266	250	243	240	251	265
75°	107	108	112	103	104	117
85°	18	20	19	19	19	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	993.3	993.3	993.3	993.3	993.3
2.5°	995.5	991.6	993.8	993.8	990.7
5°	994.6	990.2	992.0	991.1	989.4
7.5°	992.0	987.6	988.9	988.0	985.8
10°	988.0	983.2	984.1	982.3	979.2
12.5°	982.7	978.3	977.5	974.8	972.6
15°	975.7	970.9	969.5	966.0	962.5
17.5°	966.5	961.6	959.4	954.1	950.2
20°	956.8	951.0	947.1	939.2	934.3
22.5°	944.4	937.8	932.6	921.5	916.7
25°	929.5	922.0	914.5	902.6	896.0
27.5°	911.9	903.9	895.1	881.9	874.4
30°	891.2	883.2	873.1	858.1	850.2
32.5°	866.5	858.6	848.0	830.8	822.9
35°	839.2	830.4	819.0	800.5	792.5
37.5°	806.6	796.9	786.4	766.1	757.8
40°	767.0	758.6	747.2	726.9	717.2
42.5°	721.2	713.7	701.0	681.6	672.3
45°	671.0	662.6	648.1	631.4	624.3
47.5°	618.6	606.3	592.2	577.7	573.7
50°	566.2	550.4	530.1	522.6	524.0
52.5°	512.5	492.3	474.6	468.9	475.5
55°	457.5	435.5	417.0	417.4	426.2
57.5°	405.1	382.2	366.8	366.8	378.2
60°	356.6	335.5	320.1	319.7	334.2
62.5°	311.7	290.2	278.7	278.7	291.9
65°	265.9	250.1	242.6	240.0	251.0
67.5°	223.7	212.7	207.4	204.3	211.3
70°	183.2	176.1	173.9	170.4	175.2
72.5°	143.1	141.3	145.7	137.4	139.6
75°	106.6	108.3	112.3	103.0	103.5
77.5°	76.6	80.1	81.5	77.1	77.1
80°	52.4	56.8	55.0	52.8	52.0
82.5°	33.5	35.7	35.7	34.3	33.5
85°	17.6	20.3	19.4	18.9	18.9
87.5°	6.6	9.2	9.2	8.8	8.4
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)