

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: P412976

Luminaire Tested: **14PD-30-PC3-L840**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412976
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-L840
Description: 3000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

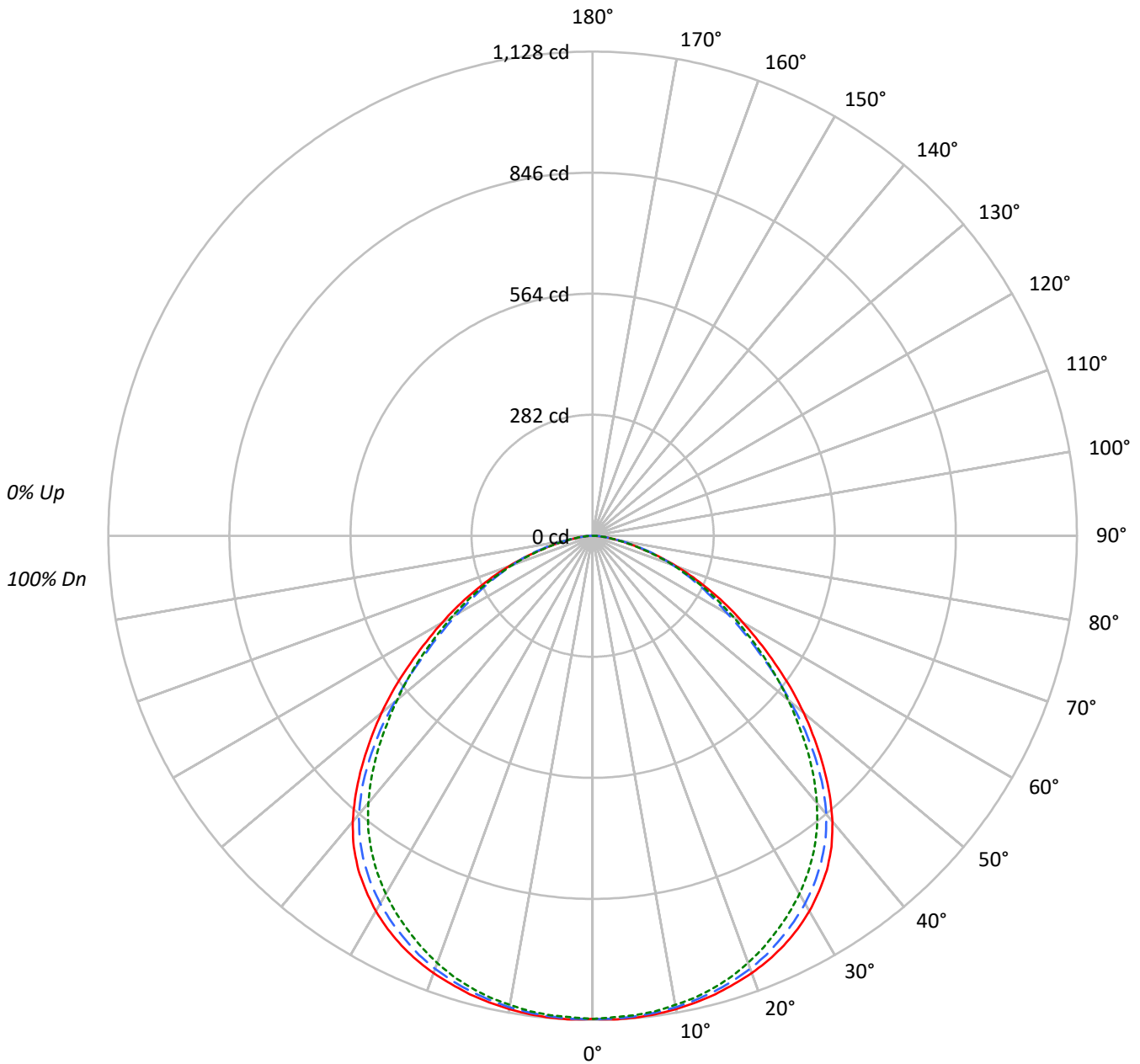
Lumens per Lamp: N/A
Luminaire Lumens: 2909.0 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): 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				20				
RC	80				70				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			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°	3029	3029	3029
5°	3045	3037	3029
10°	3060	3047	3032
15°	3080	3061	3039
20°	3105	3074	3032
25°	3127	3077	3015
30°	3138	3074	2994
35°	3124	3049	2950
40°	3053	2974	2855
45°	2894	2795	2692
50°	2686	2515	2486
55°	2432	2217	2266
60°	2175	1952	2038
65°	1919	1750	1811
70°	1633	1551	1563
75°	1255	1323	1220
80°	921	967	913
85°	618	679	664



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.0	3.7
10°-20°	310.1	10.7
20°-30°	476.9	16.4
30°-40°	577.1	19.8
40°-50°	563.4	19.4
50°-60°	435.4	15.0
60°-70°	279.6	9.6
70°-80°	132.0	4.5
80°-90°	27.7	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°	894.0	30.7
0°-40°	1471.0	50.6
0°-60°	2469.8	84.9
0°-90°	2909.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2909.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1126	1126	1126	1126	1126	
5°	1127	1122	1124	1123	1121	107
15°	1106	1100	1099	1095	1091	312
25°	1053	1045	1036	1023	1015	485
35°	951	941	928	907	898	593
45°	760	751	734	716	708	585
55°	518	494	472	473	483	465
65°	301	283	275	272	284	300
75°	121	123	127	117	117	133
85°	20	23	22	22	22	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1125.7	1125.7	1125.7	1125.7	1125.7
2.5°	1128.1	1123.7	1126.2	1126.2	1122.7
5°	1127.1	1122.2	1124.2	1123.2	1121.2
7.5°	1124.2	1119.2	1120.7	1119.7	1117.2
10°	1119.7	1114.2	1115.2	1113.2	1109.7
12.5°	1113.7	1108.7	1107.7	1104.7	1102.2
15°	1105.7	1100.2	1098.7	1094.7	1090.7
17.5°	1095.2	1089.7	1087.2	1081.2	1076.8
20°	1084.2	1077.8	1073.3	1064.3	1058.8
22.5°	1070.3	1062.8	1056.8	1044.3	1038.8
25°	1053.3	1044.8	1036.3	1022.9	1015.4
27.5°	1033.3	1024.4	1014.4	999.4	990.9
30°	1009.9	1000.9	989.4	972.5	963.5
32.5°	982.0	973.0	961.0	941.5	932.6
35°	951.0	941.0	928.1	907.1	898.1
37.5°	914.1	903.1	891.1	868.2	858.7
40°	869.2	859.7	846.7	823.8	812.8
42.5°	817.3	808.8	794.3	772.4	761.9
45°	760.4	750.9	734.5	715.5	707.5
47.5°	701.0	687.1	671.1	654.6	650.1
50°	641.7	623.7	600.7	592.3	593.8
52.5°	580.8	557.8	537.9	531.4	538.9
55°	518.4	493.5	472.5	473.0	483.0
57.5°	459.0	433.1	415.6	415.6	428.6
60°	404.2	380.2	362.7	362.2	378.7
62.5°	353.3	328.8	315.8	315.8	330.8
65°	301.4	283.4	274.9	271.9	284.4
67.5°	253.5	241.0	235.0	231.5	239.5
70°	207.6	199.6	197.1	193.1	198.6
72.5°	162.2	160.2	165.2	155.7	158.2
75°	120.7	122.7	127.2	116.8	117.3
77.5°	86.8	90.8	92.3	87.3	87.3
80°	59.4	64.4	62.4	59.9	58.9
82.5°	37.9	40.4	40.4	38.9	37.9
85°	20.0	23.0	22.0	21.5	21.5
87.5°	7.5	10.5	10.5	10.0	9.5
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)