

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: P412643

Luminaire Tested: **14PD-35-PP3-L840**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-35-PP3-L840
Description: 3500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

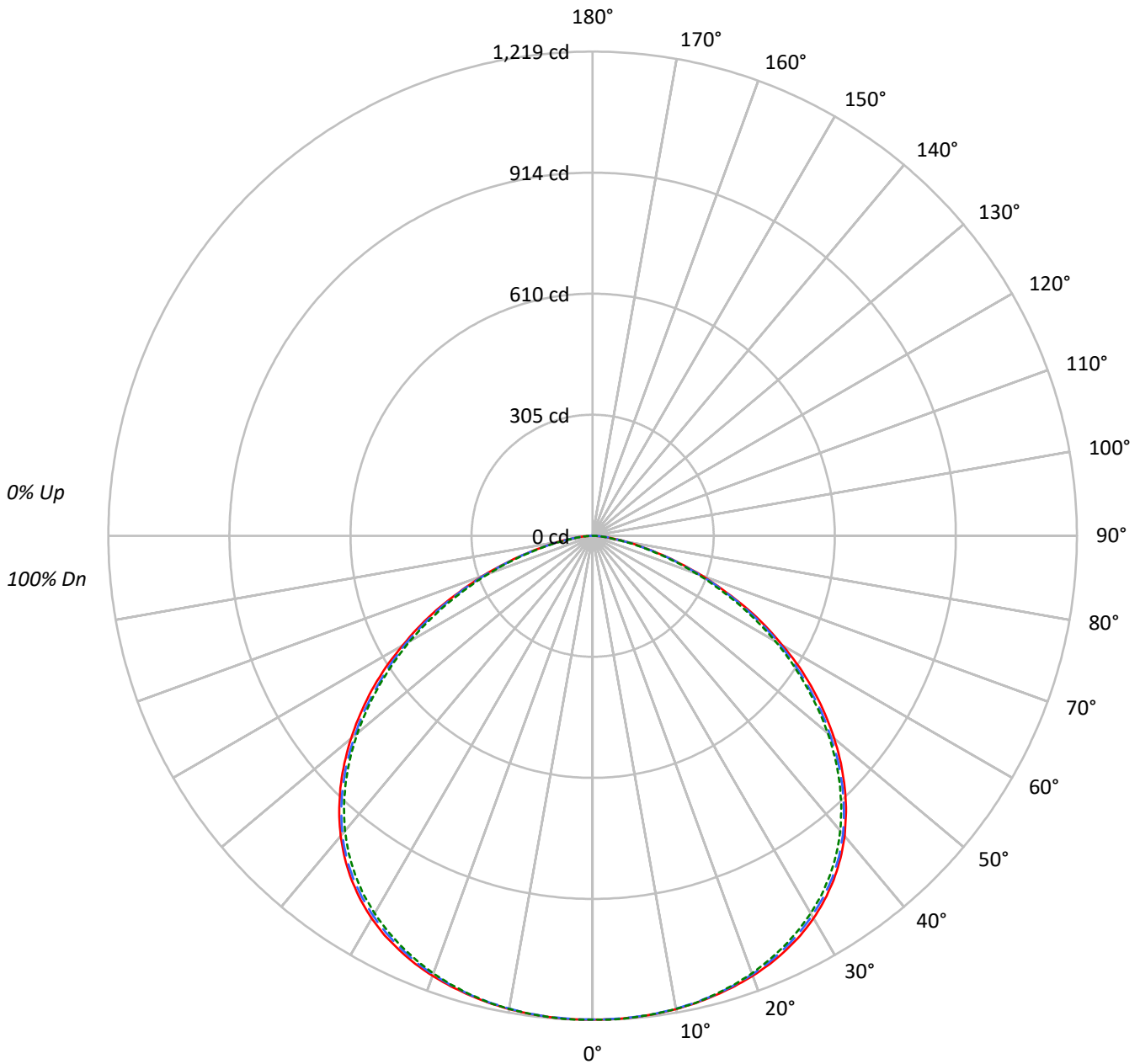
Lumens per Lamp: N/A
Luminaire Lumens: 3544.0 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39																			
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31																			
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3278	3278	3278
5°	3286	3285	3287
10°	3307	3303	3306
15°	3336	3331	3329
20°	3376	3365	3357
25°	3419	3401	3385
30°	3457	3432	3411
35°	3475	3454	3423
40°	3466	3445	3406
45°	3417	3383	3345
50°	3323	3269	3235
55°	3185	3109	3069
60°	2968	2916	2857
65°	2690	2636	2560
70°	2296	2254	2182
75°	1794	1775	1691
80°	1323	1268	1196
85°	800	800	744



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.9	3.3
10°-20°	338.1	9.5
20°-30°	528.5	14.9
30°-40°	656.8	18.5
40°-50°	684.4	19.3
50°-60°	593.8	16.8
60°-70°	408.3	11.5
70°-80°	184.3	5.2
80°-90°	33.8	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°	982.5	27.7
0°-40°	1639.4	46.3
0°-60°	2917.6	82.3
0°-90°	3544.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3544.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1218	1218	1218	1218	1218	
5°	1217	1217	1216	1215	1217	116
15°	1197	1197	1196	1195	1195	339
25°	1151	1151	1145	1141	1140	531
35°	1058	1058	1052	1046	1042	661
45°	898	898	889	882	879	691
55°	679	675	663	655	654	605
65°	422	421	414	404	402	417
75°	172	173	171	166	163	188
85°	26	26	26	26	24	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1218.0	1218.0	1218.0	1218.0	1218.0
2.5°	1218.3	1218.3	1217.6	1216.6	1219.0
5°	1216.6	1216.9	1216.2	1215.1	1216.9
7.5°	1214.1	1214.4	1213.4	1212.3	1213.7
10°	1210.2	1209.8	1208.8	1208.1	1209.8
12.5°	1204.5	1204.2	1203.1	1202.4	1203.8
15°	1197.4	1197.4	1195.7	1194.6	1194.9
17.5°	1188.9	1188.9	1186.4	1184.0	1184.7
20°	1179.0	1178.7	1175.1	1172.6	1172.3
22.5°	1166.6	1166.6	1161.7	1158.5	1157.4
25°	1151.4	1151.0	1145.4	1140.8	1140.1
27.5°	1134.0	1133.3	1126.6	1122.0	1120.2
30°	1112.4	1111.7	1104.6	1099.7	1097.6
32.5°	1086.9	1088.0	1079.8	1074.2	1072.1
35°	1057.9	1057.9	1051.5	1045.5	1042.0
37.5°	1024.6	1024.6	1018.6	1012.6	1008.3
40°	986.7	987.1	980.7	973.2	969.7
42.5°	944.2	944.9	936.4	930.4	926.5
45°	897.8	898.2	889.0	882.2	879.0
47.5°	847.5	846.8	836.5	830.9	827.7
50°	793.7	792.3	780.9	775.6	772.8
52.5°	737.4	734.5	724.6	716.8	714.3
55°	678.9	675.0	662.6	654.8	654.1
57.5°	618.0	613.4	603.1	595.7	592.9
60°	551.4	550.4	541.9	533.0	530.9
62.5°	489.1	485.9	478.5	467.9	466.8
65°	422.5	420.7	414.0	404.1	402.0
67.5°	353.8	355.6	349.9	341.1	338.2
70°	291.8	292.9	286.5	278.4	277.3
72.5°	229.5	231.3	226.0	220.6	219.6
75°	172.5	173.2	170.7	166.1	162.6
77.5°	122.5	125.0	122.2	119.0	116.2
80°	85.4	81.5	81.8	80.4	77.2
82.5°	51.4	49.6	49.2	47.8	46.4
85°	25.9	25.5	25.9	25.5	24.1
87.5°	8.5	9.2	9.6	9.6	8.9
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)