

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: P412306

Luminaire Tested: **14PD-35-PB1-L940**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412306
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-56)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-35-PB1-L940
Description: 3500 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

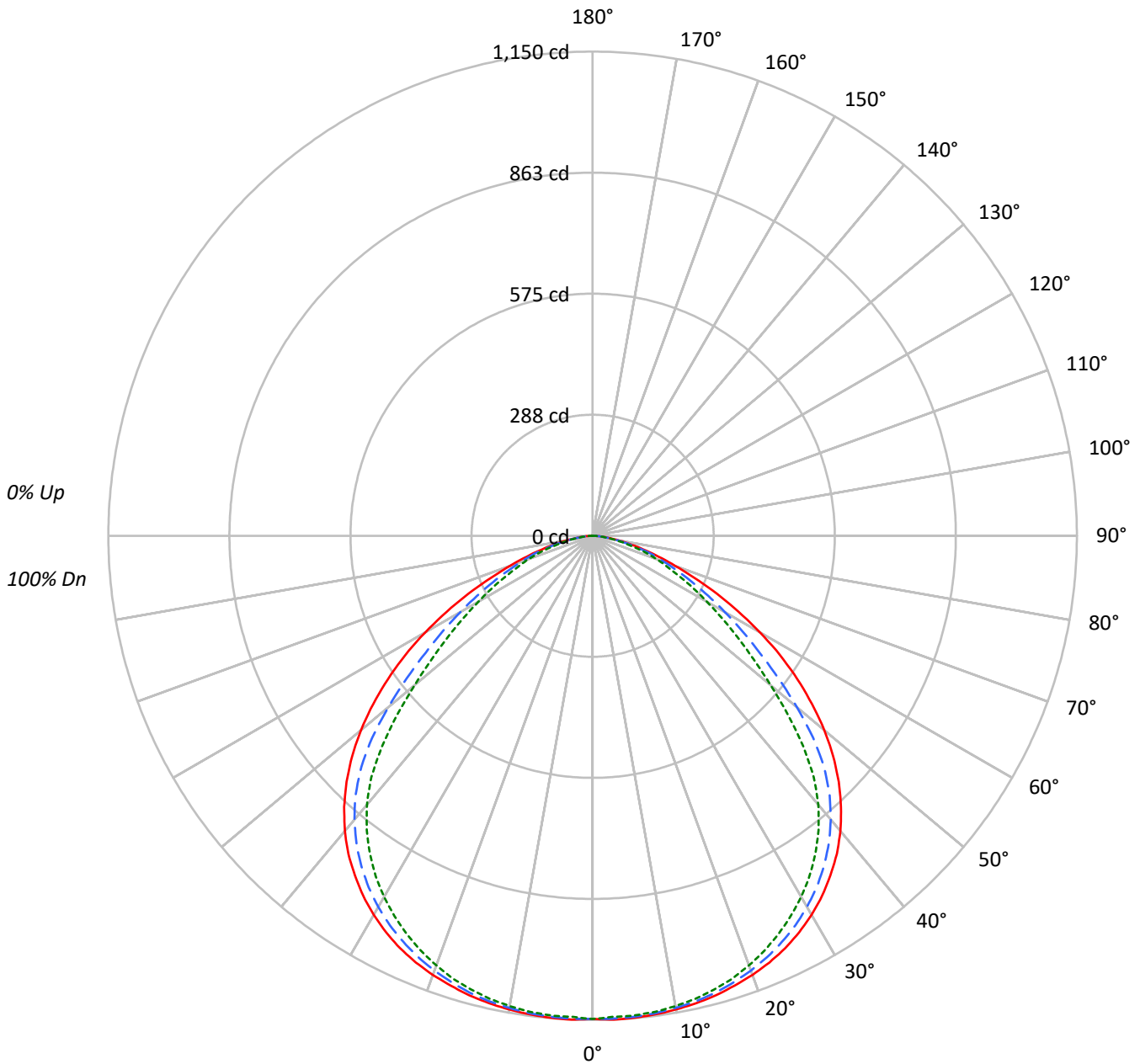
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2958.0 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
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	99	107	104	100	97	99	96	94	95	93	91	92	90	88	86																			
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74																			
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63																			
4	85	74	66	59	83	73	65	59	70	63	58	68	62	57	66	61	57	55																			
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	50	48																			
6	73	60	51	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42																			
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37																			
8	63	50	42	36	61	49	41	36	48	41	36	47	40	35	45	40	35	33																			
9	59	46	38	32	57	45	37	32	44	37	32	43	37	32	42	36	32	30																			
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3088	3088	3088
5°	3104	3097	3089
10°	3122	3111	3099
15°	3148	3131	3108
20°	3178	3147	3109
25°	3211	3159	3100
30°	3232	3163	3078
35°	3234	3146	3029
40°	3216	3091	2929
45°	3145	2957	2690
50°	3006	2649	2305
55°	2784	2270	1969
60°	2472	1949	1683
65°	2075	1663	1441
70°	1645	1413	1271
75°	1286	1153	1011
80°	958	860	776
85°	636	562	516



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.1	3.7
10°-20°	317.1	10.7
20°-30°	489.7	16.6
30°-40°	596.0	20.1
40°-50°	589.8	19.9
50°-60°	444.3	15.0
60°-70°	267.0	9.0
70°-80°	120.3	4.1
80°-90°	24.6	0.8
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°	915.9	31.0
0°-40°	1511.9	51.1
0°-60°	2546.0	86.1
0°-90°	2958.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2958.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1148	1148	1148	1148	1148	
5°	1149	1145	1146	1146	1144	109
15°	1130	1124	1124	1120	1116	319
25°	1081	1073	1064	1050	1044	498
35°	985	974	958	934	922	616
45°	826	812	777	729	707	635
55°	593	552	484	437	420	529
65°	326	296	261	234	226	324
75°	124	117	111	101	97	135
85°	21	21	18	17	17	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1147.5	1147.5	1147.5	1147.5	1147.5
2.5°	1150.5	1145.6	1148.0	1147.5	1143.6
5°	1149.0	1144.6	1146.5	1145.6	1143.6
7.5°	1146.5	1142.1	1143.6	1142.1	1140.2
10°	1142.6	1137.7	1138.7	1135.7	1134.3
12.5°	1137.2	1131.3	1132.3	1128.4	1126.4
15°	1129.9	1124.5	1124.0	1119.6	1115.6
17.5°	1120.5	1115.1	1112.2	1107.3	1102.9
20°	1109.7	1102.9	1098.9	1090.1	1085.7
22.5°	1097.0	1089.6	1083.2	1071.0	1066.5
25°	1081.3	1072.9	1064.1	1049.9	1044.0
27.5°	1062.1	1053.3	1043.0	1027.3	1018.4
30°	1040.0	1030.7	1018.0	999.8	990.5
32.5°	1014.0	1003.7	990.0	968.4	958.6
35°	984.6	973.8	957.6	934.0	922.2
37.5°	952.7	940.4	921.3	892.8	881.0
40°	915.4	903.1	880.0	847.1	833.9
42.5°	873.2	860.9	832.9	793.7	777.5
45°	826.5	812.3	777.0	729.4	706.8
47.5°	774.5	756.3	710.2	651.8	629.2
50°	718.1	694.0	632.7	572.8	550.7
52.5°	656.7	626.3	555.6	502.1	481.0
55°	593.4	551.7	483.9	436.8	419.6
57.5°	527.6	477.6	421.1	379.9	363.7
60°	459.4	410.8	362.2	324.4	312.7
62.5°	389.7	350.0	309.7	274.9	268.5
65°	325.9	295.5	261.1	233.6	226.3
67.5°	261.6	244.4	217.9	199.3	190.9
70°	209.1	197.8	179.6	164.4	161.5
72.5°	163.4	156.1	149.2	136.0	130.6
75°	123.7	117.3	110.9	100.6	97.2
77.5°	89.3	86.9	81.5	74.6	73.1
80°	61.8	61.8	55.5	51.5	50.1
82.5°	38.3	41.7	34.8	32.4	30.9
85°	20.6	21.1	18.2	17.2	16.7
87.5°	7.9	8.8	8.3	6.9	6.9
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)