

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: P412641

Luminaire Tested: **14PD-35-PP3-L830**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412641
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-L830
Description: 3500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

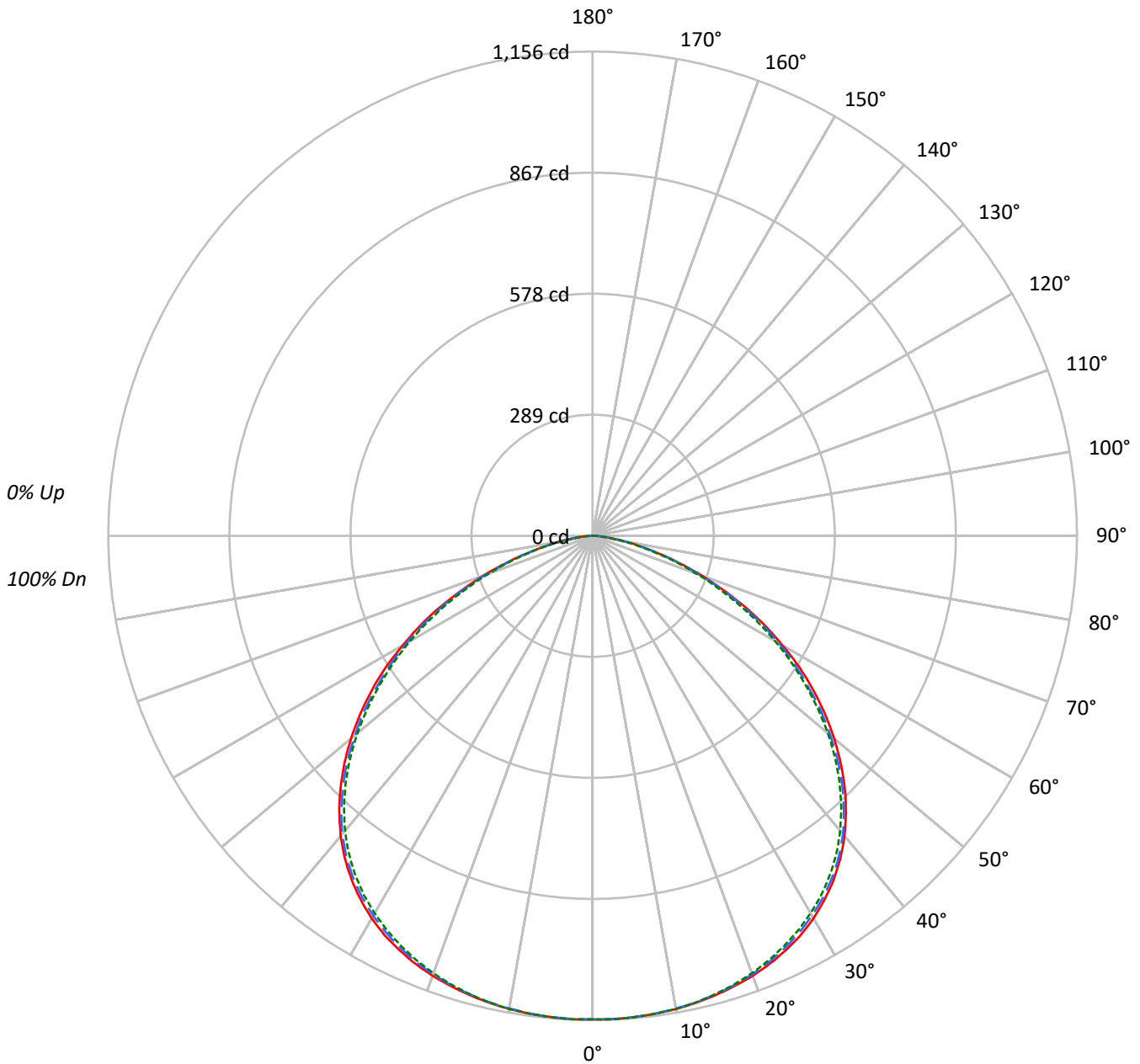
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3360.0 lumens
Efficiency: N/A
Efficacy: 105.7 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					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								
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°	3107	3107	3107
5°	3116	3115	3116
10°	3135	3131	3134
15°	3163	3158	3156
20°	3201	3190	3183
25°	3241	3224	3209
30°	3277	3254	3233
35°	3295	3275	3245
40°	3286	3266	3230
45°	3239	3207	3172
50°	3150	3100	3067
55°	3020	2947	2910
60°	2814	2765	2709
65°	2551	2499	2427
70°	2177	2137	2068
75°	1700	1682	1602
80°	1254	1203	1134
85°	756	756	704



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.9	3.3
10°-20°	320.6	9.5
20°-30°	501.1	14.9
30°-40°	622.7	18.5
40°-50°	648.8	19.3
50°-60°	563.0	16.8
60°-70°	387.1	11.5
70°-80°	174.7	5.2
80°-90°	32.0	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°	931.5	27.7
0°-40°	1554.3	46.3
0°-60°	2766.1	82.3
0°-90°	3360.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3360.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1155	1155	1155	1155	1155	
5°	1153	1154	1153	1152	1154	110
15°	1135	1135	1134	1133	1133	321
25°	1092	1091	1086	1082	1081	504
35°	1003	1003	997	991	988	627
45°	851	852	843	836	833	655
55°	644	640	628	621	620	574
65°	401	399	392	383	381	395
75°	164	164	162	158	154	178
85°	24	24	24	24	23	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1154.7	1154.7	1154.7	1154.7	1154.7
2.5°	1155.1	1155.1	1154.4	1153.4	1155.7
5°	1153.4	1153.7	1153.1	1152.0	1153.7
7.5°	1151.0	1151.4	1150.4	1149.4	1150.7
10°	1147.3	1147.0	1146.0	1145.3	1147.0
12.5°	1142.0	1141.6	1140.6	1140.0	1141.3
15°	1135.3	1135.3	1133.6	1132.6	1132.9
17.5°	1127.2	1127.2	1124.9	1122.5	1123.2
20°	1117.8	1117.5	1114.1	1111.8	1111.4
22.5°	1106.0	1106.0	1101.3	1098.3	1097.3
25°	1091.6	1091.3	1085.9	1081.5	1080.9
27.5°	1075.2	1074.5	1068.1	1063.7	1062.1
30°	1054.7	1054.0	1047.3	1042.6	1040.6
32.5°	1030.5	1031.5	1023.8	1018.4	1016.4
35°	1003.0	1003.0	996.9	991.2	987.9
37.5°	971.4	971.4	965.7	960.0	956.0
40°	935.5	935.8	929.8	922.7	919.4
42.5°	895.2	895.9	887.8	882.1	878.4
45°	851.2	851.5	842.8	836.4	833.4
47.5°	803.5	802.8	793.1	787.7	784.7
50°	752.5	751.1	740.4	735.3	732.7
52.5°	699.1	696.4	687.0	679.6	677.3
55°	643.7	640.0	628.2	620.9	620.2
57.5°	585.9	581.6	571.8	564.8	562.1
60°	522.8	521.8	513.7	505.3	503.3
62.5°	463.7	460.7	453.6	443.6	442.6
65°	400.6	398.9	392.5	383.1	381.1
67.5°	335.4	337.1	331.7	323.4	320.7
70°	276.7	277.7	271.6	263.9	262.9
72.5°	217.6	219.3	214.2	209.2	208.2
75°	163.5	164.2	161.8	157.5	154.1
77.5°	116.2	118.5	115.8	112.8	110.1
80°	80.9	77.2	77.6	76.2	73.2
82.5°	48.7	47.0	46.7	45.3	44.0
85°	24.5	24.2	24.5	24.2	22.8
87.5°	8.1	8.7	9.1	9.1	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)