

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: P412304

Luminaire Tested: **14PD-35-PB1-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412304
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-L930
Description: 3500 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

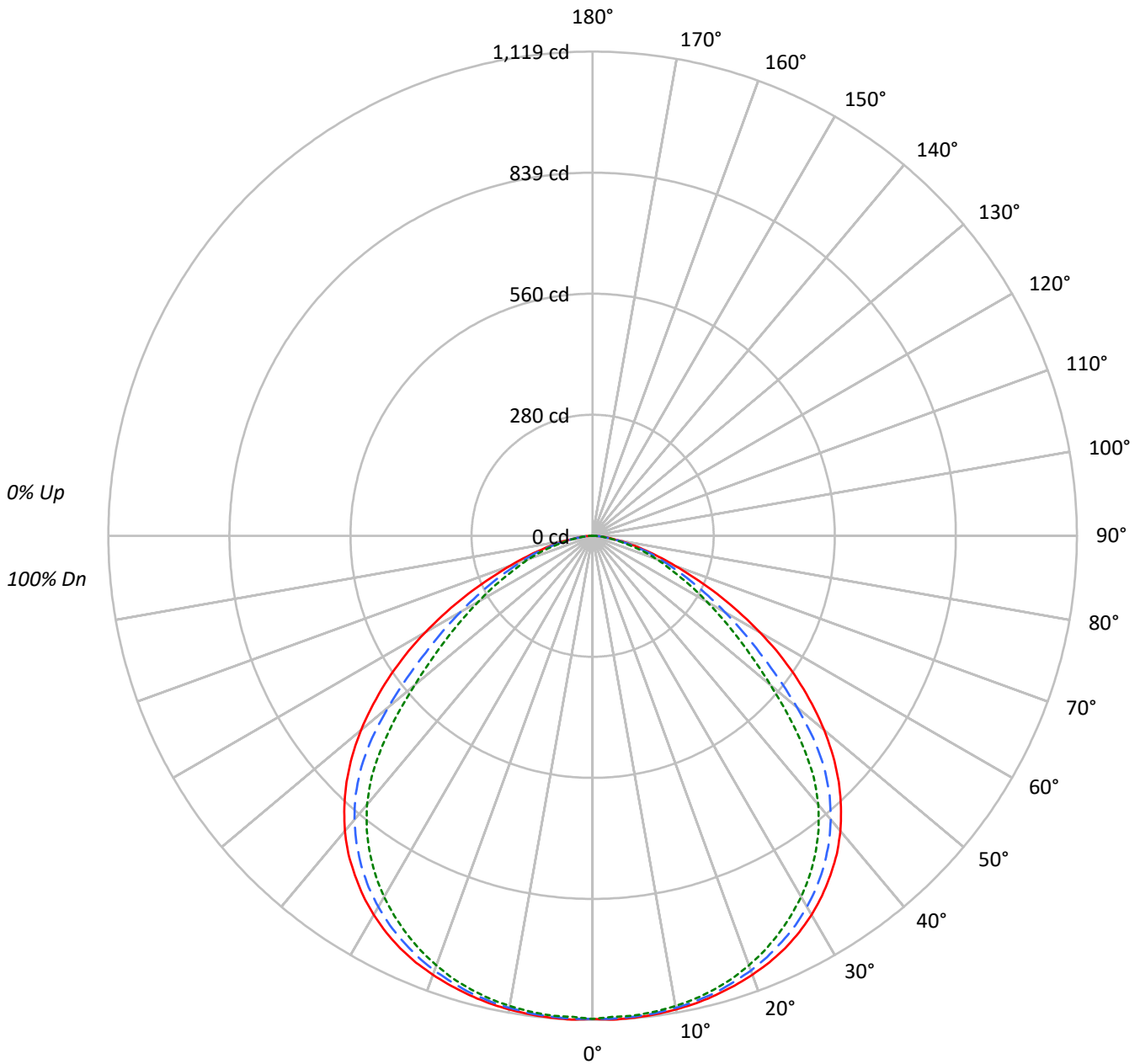
Lumens per Lamp: N/A
Luminaire Lumens: 2878.0 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	3004	3004	3004
5°	3020	3013	3006
10°	3038	3027	3016
15°	3063	3047	3024
20°	3092	3062	3025
25°	3124	3074	3016
30°	3144	3077	2994
35°	3147	3061	2948
40°	3129	3008	2850
45°	3060	2877	2617
50°	2925	2577	2243
55°	2708	2209	1916
60°	2406	1897	1637
65°	2019	1618	1401
70°	1600	1375	1236
75°	1251	1122	984
80°	933	837	755
85°	621	546	500



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.2	3.7
10°-20°	308.5	10.7
20°-30°	476.5	16.6
30°-40°	579.9	20.1
40°-50°	573.8	19.9
50°-60°	432.3	15.0
60°-70°	259.8	9.0
70°-80°	117.1	4.1
80°-90°	24.0	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°	891.1	31.0
0°-40°	1471.0	51.1
0°-60°	2477.1	86.1
0°-90°	2878.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2878.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1116	1116	1116	1116	1116	
5°	1118	1114	1116	1115	1113	107
15°	1099	1094	1094	1089	1086	311
25°	1052	1044	1035	1022	1016	485
35°	958	947	932	909	897	599
45°	804	790	756	710	688	618
55°	577	537	471	425	408	514
65°	317	288	254	227	220	315
75°	120	114	108	98	95	131
85°	20	20	18	17	16	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1116.5	1116.5	1116.5	1116.5	1116.5
2.5°	1119.4	1114.6	1117.0	1116.5	1112.7
5°	1117.9	1113.6	1115.5	1114.6	1112.7
7.5°	1115.5	1111.2	1112.7	1111.2	1109.3
10°	1111.7	1106.9	1107.9	1105.0	1103.6
12.5°	1106.5	1100.7	1101.7	1097.9	1096.0
15°	1099.3	1094.0	1093.6	1089.3	1085.5
17.5°	1090.2	1085.0	1082.1	1077.3	1073.0
20°	1079.7	1073.0	1069.2	1060.6	1056.3
22.5°	1067.3	1060.1	1053.9	1042.0	1037.7
25°	1052.0	1043.9	1035.3	1021.5	1015.7
27.5°	1033.4	1024.8	1014.8	999.5	990.9
30°	1011.9	1002.8	990.4	972.8	963.7
32.5°	986.6	976.6	963.2	942.2	932.6
35°	957.9	947.4	931.7	908.8	897.3
37.5°	926.9	915.0	896.3	868.6	857.2
40°	890.6	878.7	856.2	824.2	811.3
42.5°	849.5	837.6	810.4	772.2	756.4
45°	804.2	790.3	755.9	709.6	687.7
47.5°	753.6	735.9	691.0	634.2	612.2
50°	698.6	675.2	615.6	557.3	535.8
52.5°	639.0	609.3	540.6	488.5	468.0
55°	577.3	536.8	470.9	425.0	408.3
57.5°	513.4	464.6	409.7	369.6	353.9
60°	447.0	399.7	352.4	315.7	304.2
62.5°	379.2	340.5	301.3	267.4	261.2
65°	317.1	287.5	254.1	227.3	220.1
67.5°	254.5	237.8	212.0	193.9	185.8
70°	203.4	192.4	174.8	160.0	157.1
72.5°	159.0	151.9	145.2	132.3	127.0
75°	120.3	114.1	107.9	97.9	94.6
77.5°	86.9	84.5	79.3	72.6	71.2
80°	60.2	60.2	54.0	50.1	48.7
82.5°	37.2	40.6	33.9	31.5	30.1
85°	20.1	20.5	17.7	16.7	16.2
87.5°	7.6	8.6	8.1	6.7	6.7
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)