

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: P412303

Luminaire Tested: **14PD-35-PB1-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412303
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-L927
Description: 3500 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

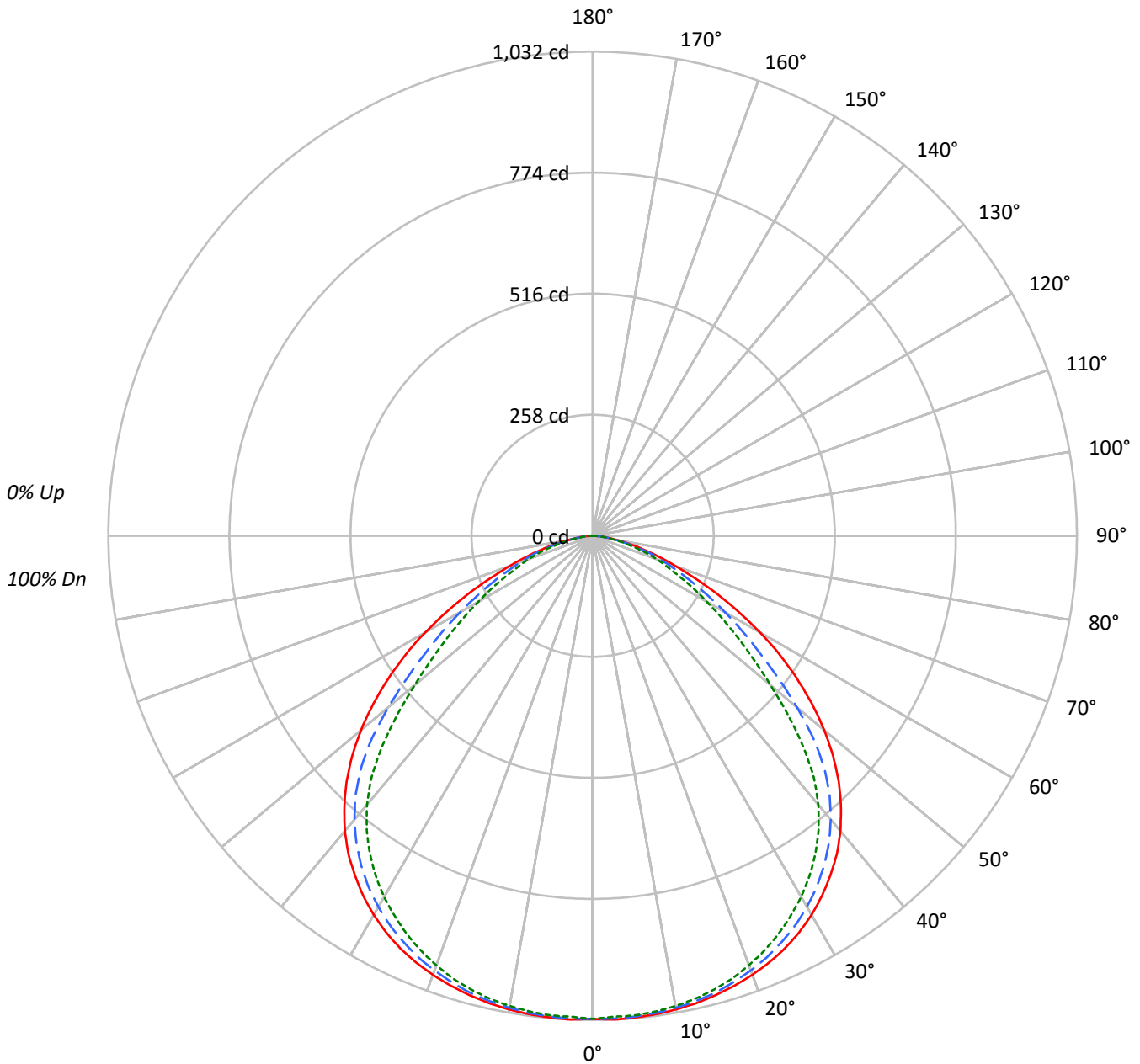
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2654.0 lumens
Efficiency: N/A
Efficacy: 83.5 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°	2771	2771	2771
5°	2785	2779	2772
10°	2801	2792	2781
15°	2824	2810	2789
20°	2851	2824	2790
25°	2880	2835	2781
30°	2900	2838	2761
35°	2902	2823	2718
40°	2885	2774	2628
45°	2822	2653	2413
50°	2697	2376	2069
55°	2498	2037	1766
60°	2218	1749	1510
65°	1862	1492	1293
70°	1476	1268	1140
75°	1154	1035	907
80°	860	772	696
85°	571	503	463



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.9	3.7
10°-20°	284.5	10.7
20°-30°	439.4	16.6
30°-40°	534.7	20.1
40°-50°	529.1	19.9
50°-60°	398.7	15.0
60°-70°	239.6	9.0
70°-80°	108.0	4.1
80°-90°	22.1	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°	821.8	31.0
0°-40°	1356.5	51.1
0°-60°	2284.3	86.1
0°-90°	2654.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2654.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1030	1030	1030	1030	1030	
5°	1031	1027	1029	1028	1026	98
15°	1014	1009	1008	1004	1001	287
25°	970	963	955	942	937	447
35°	883	874	859	838	828	552
45°	742	729	697	654	634	570
55°	532	495	434	392	376	474
65°	292	265	234	210	203	291
75°	111	105	100	90	87	121
85°	18	19	16	15	15	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1029.6	1029.6	1029.6	1029.6	1029.6
2.5°	1032.2	1027.8	1030.0	1029.6	1026.1
5°	1030.9	1027.0	1028.7	1027.8	1026.1
7.5°	1028.7	1024.8	1026.1	1024.8	1023.0
10°	1025.2	1020.8	1021.7	1019.0	1017.7
12.5°	1020.3	1015.1	1015.9	1012.4	1010.7
15°	1013.7	1008.9	1008.5	1004.5	1001.0
17.5°	1005.4	1000.5	997.9	993.5	989.5
20°	995.7	989.5	986.0	978.1	974.1
22.5°	984.2	977.6	971.9	960.9	956.9
25°	970.1	962.7	954.7	942.0	936.7
27.5°	953.0	945.0	935.8	921.7	913.8
30°	933.2	924.8	913.3	897.0	888.7
32.5°	909.8	900.6	888.2	868.9	860.1
35°	883.4	873.7	859.2	838.0	827.5
37.5°	854.8	843.8	826.6	801.0	790.5
40°	821.3	810.3	789.6	760.1	748.2
42.5°	783.4	772.4	747.3	712.1	697.6
45°	741.6	728.8	697.1	654.4	634.1
47.5°	694.9	678.6	637.2	584.8	564.6
50°	644.3	622.7	567.6	513.9	494.1
52.5°	589.2	561.9	498.5	450.5	431.6
55°	532.4	495.0	434.2	391.9	376.5
57.5°	473.4	428.5	377.8	340.8	326.3
60°	412.2	368.6	325.0	291.1	280.5
62.5°	349.7	314.0	277.9	246.6	240.9
65°	292.4	265.1	234.3	209.6	203.0
67.5°	234.7	219.3	195.5	178.8	171.3
70°	187.6	177.5	161.2	147.5	144.9
72.5°	146.6	140.0	133.9	122.0	117.1
75°	111.0	105.2	99.5	90.3	87.2
77.5°	80.1	77.9	73.1	66.9	65.6
80°	55.5	55.5	49.8	46.2	44.9
82.5°	34.3	37.4	31.3	29.1	27.7
85°	18.5	18.9	16.3	15.4	15.0
87.5°	7.0	7.9	7.5	6.2	6.2
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)