

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: P412379

Luminaire Tested: **22PD-30-PB1-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412379
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-14)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-30-PB1-L950
Description: 3000 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

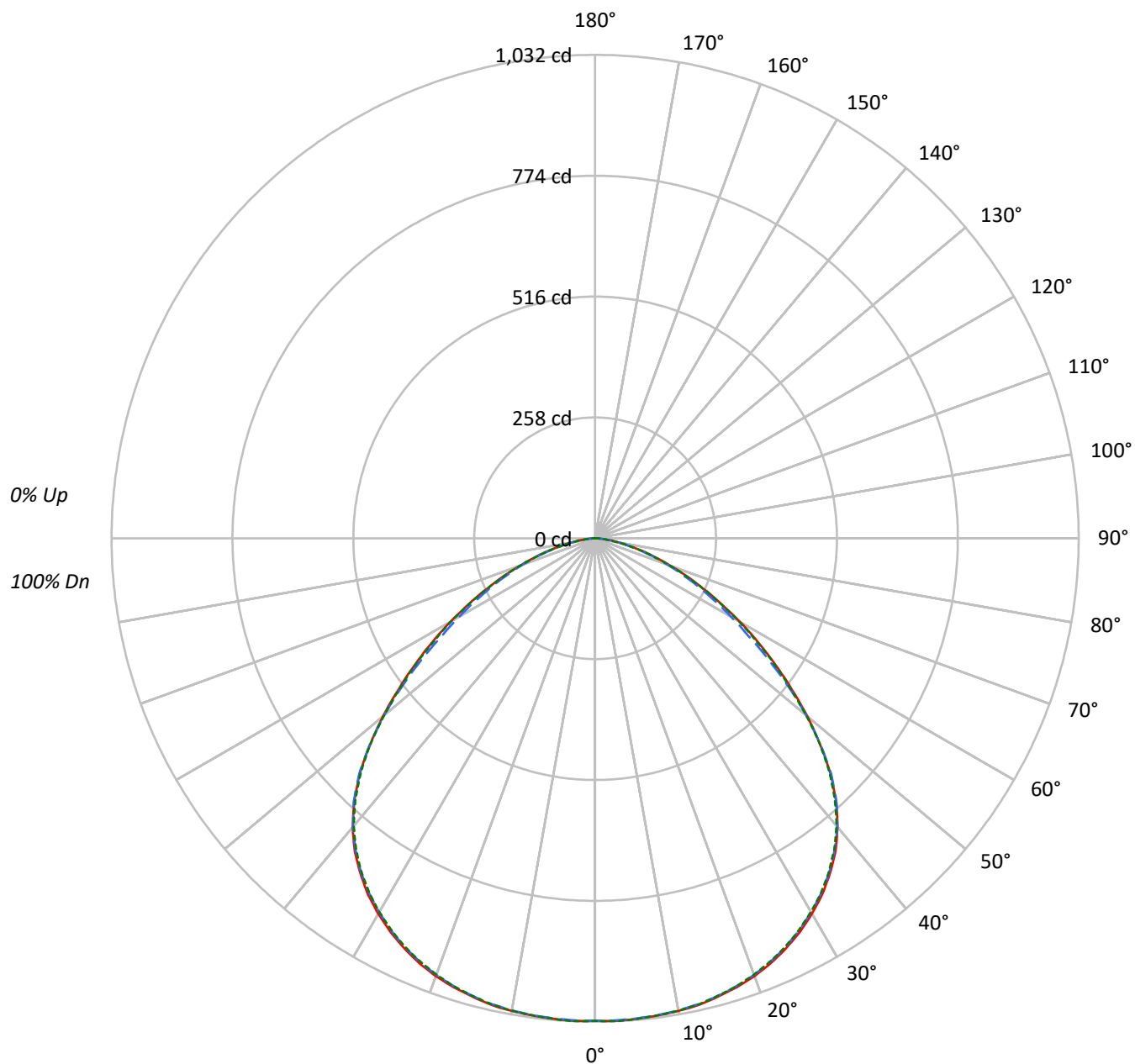
Lumens per Lamp: N/A
Luminaire Lumens: 2705.0 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.6
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	76	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63		
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54		
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	40	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	41	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2773	2773	2773
5°	2781	2779	2782
10°	2800	2796	2798
15°	2822	2818	2818
20°	2848	2840	2838
25°	2866	2858	2855
30°	2876	2864	2862
35°	2870	2861	2856
40°	2827	2824	2815
45°	2702	2711	2691
50°	2474	2461	2458
55°	2199	2121	2184
60°	1917	1800	1905
65°	1625	1538	1617
70°	1344	1289	1331
75°	1087	1017	1044
80°	786	761	755
85°	513	513	491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.0	3.6
10°-20°	285.9	10.6
20°-30°	443.7	16.4
30°-40°	544.1	20.1
40°-50°	543.9	20.1
50°-60°	412.0	15.2
60°-70°	247.1	9.1
70°-80°	108.8	4.0
80°-90°	21.6	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°	827.6	30.6
0°-40°	1371.7	50.7
0°-60°	2327.5	86.0
0°-90°	2705.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2705.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1030	1030	1030	1030	1030	
5°	1030	1028	1029	1028	1030	98
15°	1013	1012	1012	1011	1012	286
25°	965	963	962	961	962	445
35°	874	873	871	870	869	546
45°	710	711	712	710	707	544
55°	469	458	452	458	466	420
65°	255	246	242	246	254	255
75°	104	102	98	99	100	111
85°	17	17	17	16	16	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1030.3	1030.3	1030.3	1030.3	1030.3
2.5°	1031.3	1029.7	1030.0	1030.0	1031.9
5°	1029.7	1028.4	1028.7	1028.4	1030.0
7.5°	1027.5	1026.2	1026.5	1026.2	1027.1
10°	1024.6	1023.3	1023.3	1022.7	1024.0
12.5°	1020.8	1019.2	1018.5	1018.2	1019.2
15°	1013.1	1012.2	1011.5	1010.9	1011.5
17.5°	1004.8	1003.3	1002.6	1001.3	1002.6
20°	994.6	992.4	991.8	990.8	991.1
22.5°	981.3	979.4	978.4	976.8	977.4
25°	965.3	963.4	962.5	960.9	961.5
27.5°	946.9	945.6	943.4	942.1	942.4
30°	925.5	924.2	921.7	921.1	921.1
32.5°	901.9	900.3	898.1	897.5	897.2
35°	873.6	873.3	871.0	870.4	869.4
37.5°	842.7	842.0	839.5	838.9	837.9
40°	804.8	804.1	803.8	802.5	801.3
42.5°	760.8	761.8	762.4	759.8	757.3
45°	710.1	711.1	712.4	710.5	707.0
47.5°	650.9	654.7	652.8	654.1	650.6
50°	591.0	591.0	587.8	589.1	587.2
52.5°	528.2	523.1	519.3	521.9	524.4
55°	468.7	458.5	452.1	458.1	465.5
57.5°	411.6	399.5	387.7	397.3	406.2
60°	356.2	342.2	334.5	341.5	354.0
62.5°	303.6	293.4	285.8	291.2	301.7
65°	255.2	246.3	241.5	245.6	253.9
67.5°	210.9	204.9	200.1	203.6	210.0
70°	170.8	169.2	163.8	165.4	169.2
72.5°	134.1	133.8	129.0	130.3	132.5
75°	104.5	102.3	97.8	99.4	100.4
77.5°	73.9	74.9	70.7	71.7	71.7
80°	50.7	52.2	49.1	48.4	48.7
82.5°	32.2	32.2	31.9	31.5	30.6
85°	16.6	17.2	16.6	15.9	15.9
87.5°	6.4	6.4	6.4	6.1	5.7
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)