

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: P412289

Luminaire Tested: **14PD-25-PB1-L950**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412289
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-25-PB1-L950
Description: 2500 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

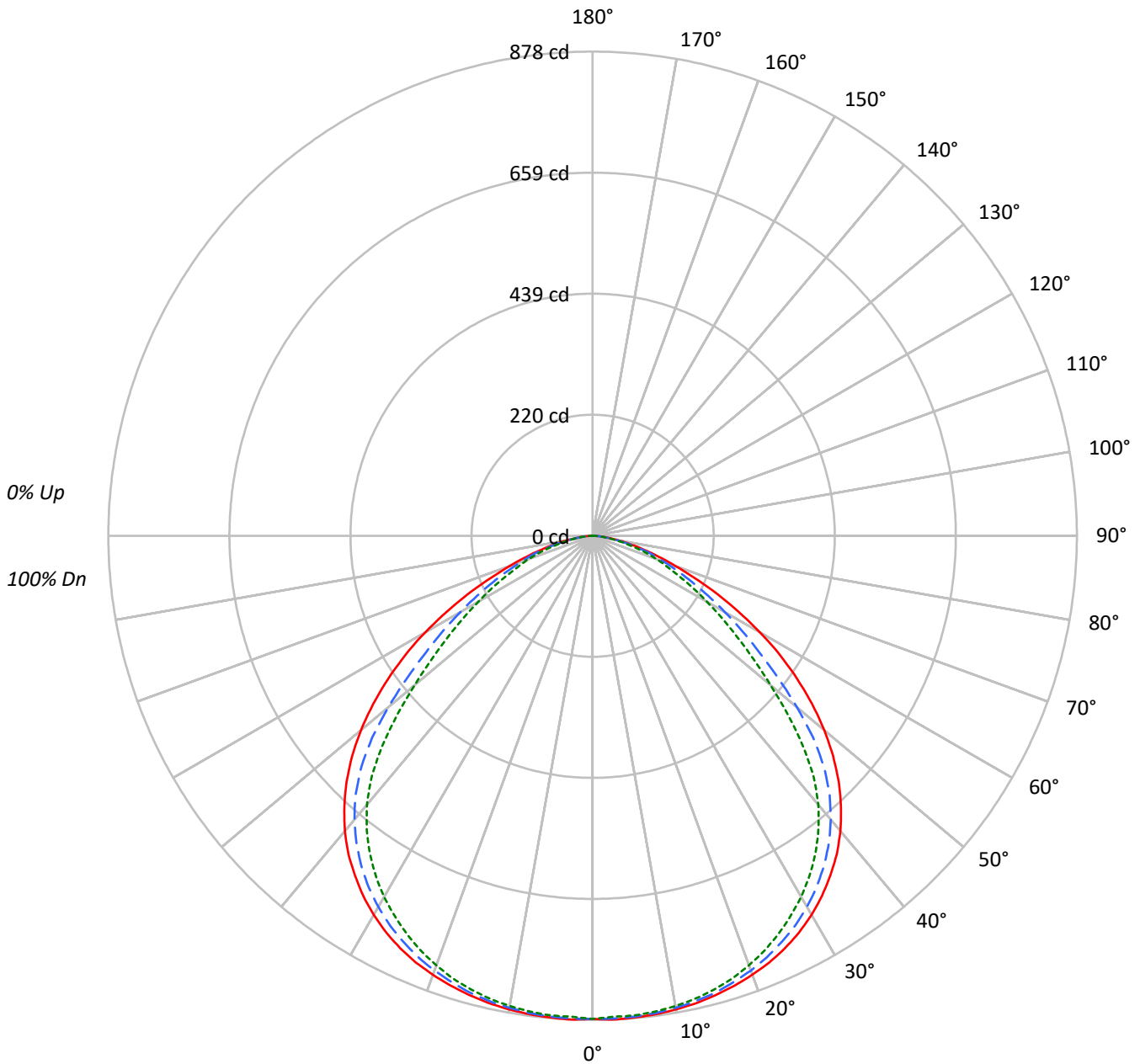
Lumens per Lamp: N/A
Luminaire Lumens: 2258.0 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.7
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°	2357	2357	2357
5°	2369	2364	2358
10°	2383	2375	2366
15°	2403	2390	2372
20°	2426	2402	2373
25°	2451	2412	2366
30°	2467	2415	2349
35°	2469	2401	2313
40°	2455	2360	2236
45°	2401	2257	2053
50°	2295	2022	1760
55°	2125	1733	1503
60°	1887	1488	1285
65°	1584	1269	1100
70°	1256	1079	970
75°	981	881	771
80°	731	656	592
85°	485	429	392



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.3	3.7
10°-20°	242.1	10.7
20°-30°	373.8	16.6
30°-40°	454.9	20.1
40°-50°	450.2	19.9
50°-60°	339.2	15.0
60°-70°	203.8	9.0
70°-80°	91.9	4.1
80°-90°	18.8	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°	699.2	31.0
0°-40°	1154.1	51.1
0°-60°	1943.5	86.1
0°-90°	2258.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2258.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	876	876	876	876	876	
5°	877	874	875	874	873	84
15°	862	858	858	855	852	244
25°	825	819	812	801	797	380
35°	752	743	731	713	704	470
45°	631	620	593	557	540	485
55°	453	421	369	334	320	403
65°	249	226	199	178	173	247
75°	94	90	85	77	74	103
85°	16	16	14	13	13	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	876.0	876.0	876.0	876.0	876.0
2.5°	878.2	874.5	876.3	876.0	873.0
5°	877.1	873.7	875.2	874.5	873.0
7.5°	875.2	871.8	873.0	871.8	870.4
10°	872.2	868.5	869.2	867.0	865.9
12.5°	868.1	863.6	864.4	861.4	859.9
15°	862.5	858.4	858.0	854.6	851.6
17.5°	855.4	851.2	849.0	845.2	841.9
20°	847.1	841.9	838.9	832.1	828.8
22.5°	837.4	831.8	826.9	817.5	814.2
25°	825.4	819.0	812.3	801.4	796.9
27.5°	810.8	804.0	796.2	784.2	777.4
30°	793.9	786.8	777.1	763.2	756.1
32.5°	774.1	766.2	755.7	739.2	731.7
35°	751.6	743.3	731.0	713.0	704.0
37.5°	727.2	717.9	703.2	681.5	672.5
40°	698.8	689.4	671.8	646.7	636.6
42.5°	666.5	657.2	635.8	605.8	593.5
45°	630.9	620.1	593.1	556.8	539.5
47.5°	591.2	577.4	542.1	497.6	480.3
50°	548.1	529.8	482.9	437.2	420.4
52.5°	501.3	478.1	424.1	383.3	367.2
55°	453.0	421.1	369.4	333.5	320.3
57.5°	402.8	364.6	321.5	290.0	277.6
60°	350.7	313.6	276.5	247.7	238.7
62.5°	297.5	267.1	236.4	209.8	204.9
65°	248.8	225.5	199.3	178.3	172.7
67.5°	199.7	186.6	166.4	152.1	145.7
70°	159.6	151.0	137.1	125.5	123.3
72.5°	124.8	119.1	113.9	103.8	99.7
75°	94.4	89.5	84.7	76.8	74.2
77.5°	68.2	66.3	62.2	56.9	55.8
80°	47.2	47.2	42.3	39.3	38.2
82.5°	29.2	31.8	26.6	24.7	23.6
85°	15.7	16.1	13.9	13.1	12.7
87.5°	6.0	6.7	6.4	5.2	5.2
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)