

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: P412287

Luminaire Tested: **14PD-25-PB1-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412287
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-L935
Description: 2500 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

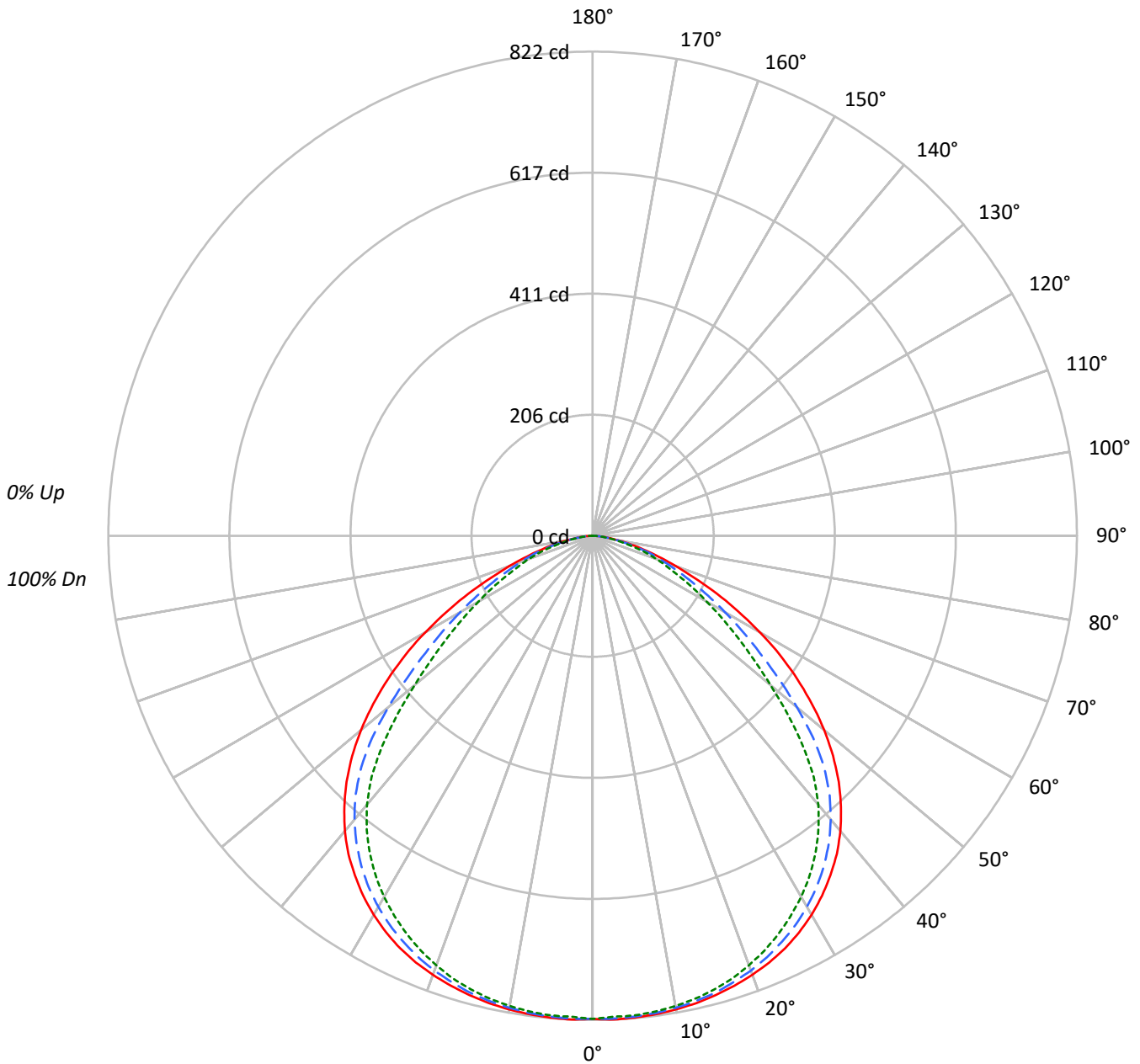
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2114.0 lumens
Efficiency: N/A
Efficacy: 93.1 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°	2207	2207	2207
5°	2218	2213	2208
10°	2231	2224	2215
15°	2250	2238	2221
20°	2271	2249	2222
25°	2295	2258	2215
30°	2310	2261	2200
35°	2312	2248	2165
40°	2298	2209	2094
45°	2248	2113	1922
50°	2148	1893	1648
55°	1990	1623	1407
60°	1767	1393	1202
65°	1483	1188	1030
70°	1175	1010	908
75°	919	824	723
80°	685	614	555
85°	454	401	367



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.0	3.7
10°-20°	226.6	10.7
20°-30°	350.0	16.6
30°-40°	425.9	20.1
40°-50°	421.5	19.9
50°-60°	317.6	15.0
60°-70°	190.8	9.0
70°-80°	86.0	4.1
80°-90°	17.6	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°	654.6	31.0
0°-40°	1080.5	51.1
0°-60°	1819.6	86.1
0°-90°	2114.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2114.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	820	820	820	820	820	
5°	821	818	819	819	817	78
15°	808	804	803	800	797	228
25°	773	767	760	750	746	356
35°	704	696	684	668	659	440
45°	591	580	555	521	505	454
55°	424	394	346	312	300	378
65°	233	211	187	167	162	231
75°	88	84	79	72	70	96
85°	15	15	13	12	12	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	820.1	820.1	820.1	820.1	820.1
2.5°	822.2	818.7	820.5	820.1	817.3
5°	821.2	818.0	819.4	818.7	817.3
7.5°	819.4	816.2	817.3	816.2	814.8
10°	816.6	813.1	813.8	811.7	810.6
12.5°	812.7	808.5	809.2	806.4	805.0
15°	807.5	803.6	803.3	800.1	797.3
17.5°	800.8	797.0	794.9	791.3	788.2
20°	793.1	788.2	785.4	779.1	775.9
22.5°	784.0	778.7	774.2	765.4	762.2
25°	772.8	766.8	760.5	750.3	746.1
27.5°	759.1	752.8	745.4	734.2	727.9
30°	743.3	736.6	727.5	714.5	707.9
32.5°	724.7	717.3	707.5	692.1	685.1
35°	703.7	695.9	684.4	667.5	659.1
37.5°	680.9	672.1	658.4	638.1	629.6
40°	654.2	645.4	628.9	605.4	596.0
42.5°	624.0	615.3	595.3	567.2	555.6
45°	590.7	580.5	555.3	521.2	505.1
47.5°	553.5	540.5	507.6	465.8	449.7
50°	513.2	496.0	452.1	409.4	393.6
52.5°	469.3	447.6	397.1	358.8	343.8
55°	424.1	394.3	345.9	312.2	299.9
57.5°	377.1	341.3	301.0	271.5	259.9
60°	328.3	293.6	258.9	231.9	223.4
62.5°	278.5	250.1	221.3	196.4	191.9
65°	232.9	211.2	186.6	167.0	161.7
67.5°	187.0	174.7	155.7	142.4	136.5
70°	149.4	141.4	128.4	117.5	115.4
72.5°	116.8	111.5	106.6	97.2	93.3
75°	88.4	83.8	79.3	71.9	69.5
77.5°	63.8	62.1	58.2	53.3	52.3
80°	44.2	44.2	39.6	36.8	35.8
82.5°	27.4	29.8	24.9	23.2	22.1
85°	14.7	15.1	13.0	12.3	11.9
87.5°	5.6	6.3	6.0	4.9	4.9
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)