

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: P412970

Luminaire Tested: **14PD-25-PC3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412970
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-57)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-25-PC3-L930
Description: 2500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

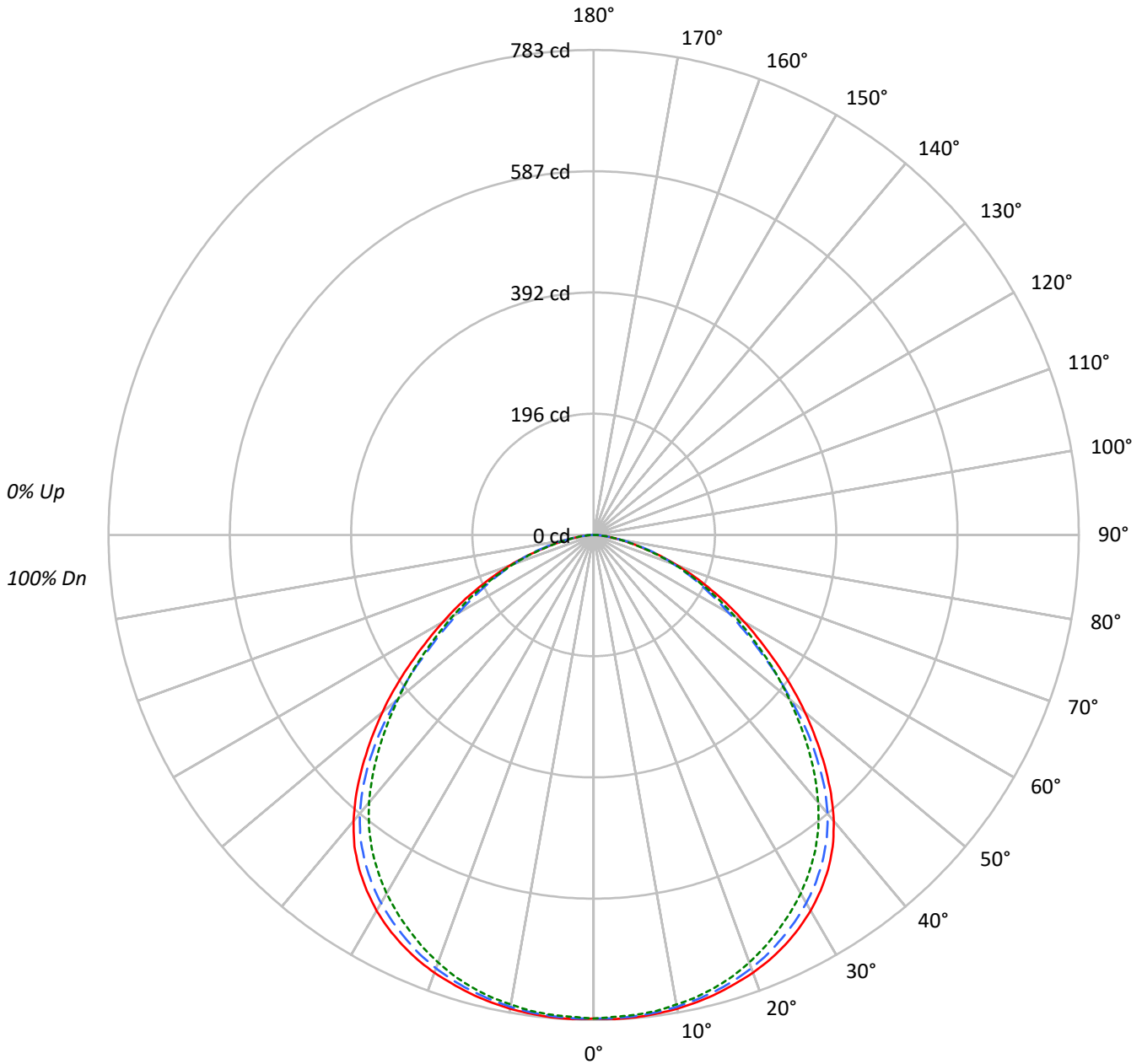
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2018.0 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37
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	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86																			
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73																			
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62																			
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54																			
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	53	49	47																			
6	72	60	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43	41																			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37																			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33																			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30																			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2101	2101	2101
5°	2112	2106	2101
10°	2122	2114	2103
15°	2137	2123	2108
20°	2154	2132	2103
25°	2170	2135	2091
30°	2177	2133	2077
35°	2167	2115	2047
40°	2118	2063	1981
45°	2007	1939	1868
50°	1863	1744	1724
55°	1687	1538	1572
60°	1509	1354	1414
65°	1331	1214	1256
70°	1133	1076	1084
75°	871	918	845
80°	638	671	632
85°	426	469	460



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	3.7
10°-20°	215.1	10.7
20°-30°	330.8	16.4
30°-40°	400.3	19.8
40°-50°	390.8	19.4
50°-60°	302.0	15.0
60°-70°	193.9	9.6
70°-80°	91.5	4.5
80°-90°	19.2	1.0
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°	620.1	30.7
0°-40°	1020.5	50.6
0°-60°	1713.3	84.9
0°-90°	2018.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2018.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	781	781	781	781	781	
5°	782	778	780	779	778	74
15°	767	763	762	759	757	217
25°	731	725	719	710	704	337
35°	660	653	644	629	623	411
45°	528	521	510	496	491	406
55°	360	342	328	328	335	322
65°	209	197	191	189	197	208
75°	84	85	88	81	81	92
85°	14	16	15	15	15	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	780.9	780.9	780.9	780.9	780.9
2.5°	782.6	779.5	781.2	781.2	778.8
5°	781.9	778.5	779.8	779.1	777.8
7.5°	779.8	776.4	777.4	776.7	775.0
10°	776.7	772.9	773.6	772.2	769.8
12.5°	772.6	769.1	768.4	766.3	764.6
15°	767.0	763.2	762.2	759.4	756.6
17.5°	759.8	756.0	754.2	750.1	747.0
20°	752.1	747.6	744.5	738.3	734.5
22.5°	742.5	737.3	733.1	724.5	720.6
25°	730.7	724.8	718.9	709.6	704.4
27.5°	716.8	710.6	703.7	693.3	687.4
30°	700.6	694.3	686.4	674.6	668.4
32.5°	681.2	675.0	666.7	653.2	646.9
35°	659.7	652.8	643.8	629.3	623.0
37.5°	634.1	626.5	618.2	602.3	595.7
40°	603.0	596.4	587.4	571.5	563.9
42.5°	567.0	561.1	551.0	535.8	528.5
45°	527.5	520.9	509.5	496.4	490.8
47.5°	486.3	476.6	465.5	454.1	451.0
50°	445.1	432.7	416.7	410.9	411.9
52.5°	402.9	387.0	373.1	368.6	373.8
55°	359.6	342.3	327.8	328.1	335.1
57.5°	318.4	300.4	288.3	288.3	297.3
60°	280.4	263.8	251.6	251.3	262.7
62.5°	245.1	228.1	219.1	219.1	229.5
65°	209.1	196.6	190.7	188.6	197.3
67.5°	175.8	167.2	163.0	160.6	166.1
70°	144.0	138.5	136.7	134.0	137.8
72.5°	112.5	111.1	114.6	108.0	109.7
75°	83.8	85.1	88.3	81.0	81.3
77.5°	60.2	63.0	64.0	60.6	60.6
80°	41.2	44.7	43.3	41.5	40.8
82.5°	26.3	28.0	28.0	27.0	26.3
85°	13.8	15.9	15.2	14.9	14.9
87.5°	5.2	7.3	7.3	6.9	6.6
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)