

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: P412286

Luminaire Tested: **14PD-25-PB1-L930**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412286
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-L930
Description: 2500 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

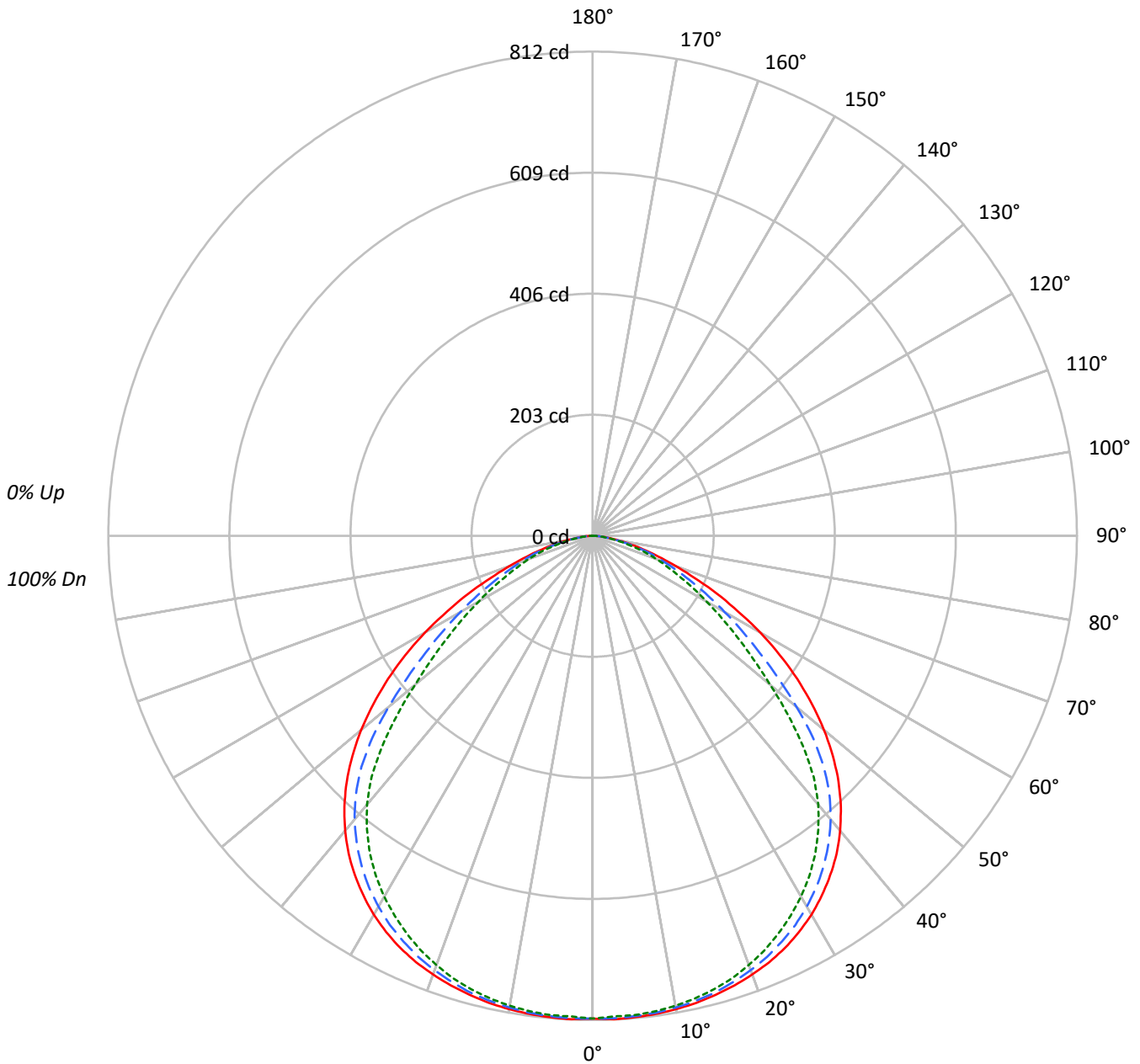
Lumens per Lamp: N/A
Luminaire Lumens: 2087.0 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	2179	2179	2179
5°	2190	2185	2180
10°	2203	2195	2187
15°	2221	2209	2193
20°	2242	2220	2194
25°	2265	2229	2187
30°	2280	2232	2171
35°	2282	2219	2138
40°	2269	2181	2067
45°	2219	2086	1898
50°	2121	1869	1626
55°	1964	1602	1389
60°	1744	1376	1187
65°	1464	1173	1016
70°	1161	997	896
75°	908	814	713
80°	676	606	547
85°	448	395	364



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.0	3.7
10°-20°	223.7	10.7
20°-30°	345.5	16.6
30°-40°	420.5	20.1
40°-50°	416.1	19.9
50°-60°	313.5	15.0
60°-70°	188.4	9.0
70°-80°	84.9	4.1
80°-90°	17.4	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°	646.2	31.0
0°-40°	1066.7	51.1
0°-60°	1796.3	86.1
0°-90°	2087.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2087.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	810	810	810	810	810	
5°	811	808	809	808	807	77
15°	797	793	793	790	787	225
25°	763	757	751	741	737	352
35°	695	687	676	659	651	434
45°	583	573	548	515	499	448
55°	419	389	341	308	296	373
65°	230	208	184	165	160	228
75°	87	83	78	71	69	95
85°	14	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°	809.6	809.6	809.6	809.6	809.6
2.5°	811.7	808.2	810.0	809.6	806.9
5°	810.7	807.6	808.9	808.2	806.9
7.5°	808.9	805.8	806.9	805.8	804.4
10°	806.2	802.7	803.4	801.3	800.3
12.5°	802.4	798.2	798.9	796.1	794.7
15°	797.2	793.4	793.0	789.9	787.1
17.5°	790.6	786.8	784.7	781.2	778.1
20°	783.0	778.1	775.3	769.1	766.0
22.5°	774.0	768.8	764.3	755.6	752.5
25°	762.9	757.0	750.8	740.7	736.6
27.5°	749.4	743.1	735.9	724.8	718.6
30°	733.8	727.2	718.2	705.4	698.8
32.5°	715.4	708.2	698.5	683.2	676.3
35°	694.7	687.0	675.6	659.0	650.7
37.5°	672.2	663.5	650.0	629.9	621.6
40°	645.8	637.2	620.9	597.7	588.4
42.5°	616.1	607.4	587.7	560.0	548.5
45°	583.2	573.1	548.2	514.6	498.7
47.5°	546.5	533.6	501.1	459.9	443.9
50°	506.6	489.7	446.4	404.1	388.5
52.5°	463.3	441.9	392.0	354.3	339.4
55°	418.7	389.2	341.4	308.2	296.1
57.5°	372.3	336.9	297.1	268.0	256.6
60°	324.1	289.8	255.6	228.9	220.6
62.5°	275.0	246.9	218.5	193.9	189.4
65°	229.9	208.5	184.2	164.8	159.6
67.5°	184.6	172.5	153.8	140.6	134.7
70°	147.5	139.6	126.7	116.0	113.9
72.5°	115.3	110.1	105.3	95.9	92.1
75°	87.3	82.8	78.3	71.0	68.6
77.5°	63.0	61.3	57.5	52.6	51.6
80°	43.6	43.6	39.1	36.4	35.3
82.5°	27.0	29.4	24.6	22.9	21.8
85°	14.5	14.9	12.8	12.1	11.8
87.5°	5.5	6.2	5.9	4.8	4.8
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)