

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: P412276

Luminaire Tested: **14PD-20-PB1-L927**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412276
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-20-PB1-L927
Description: 2000 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

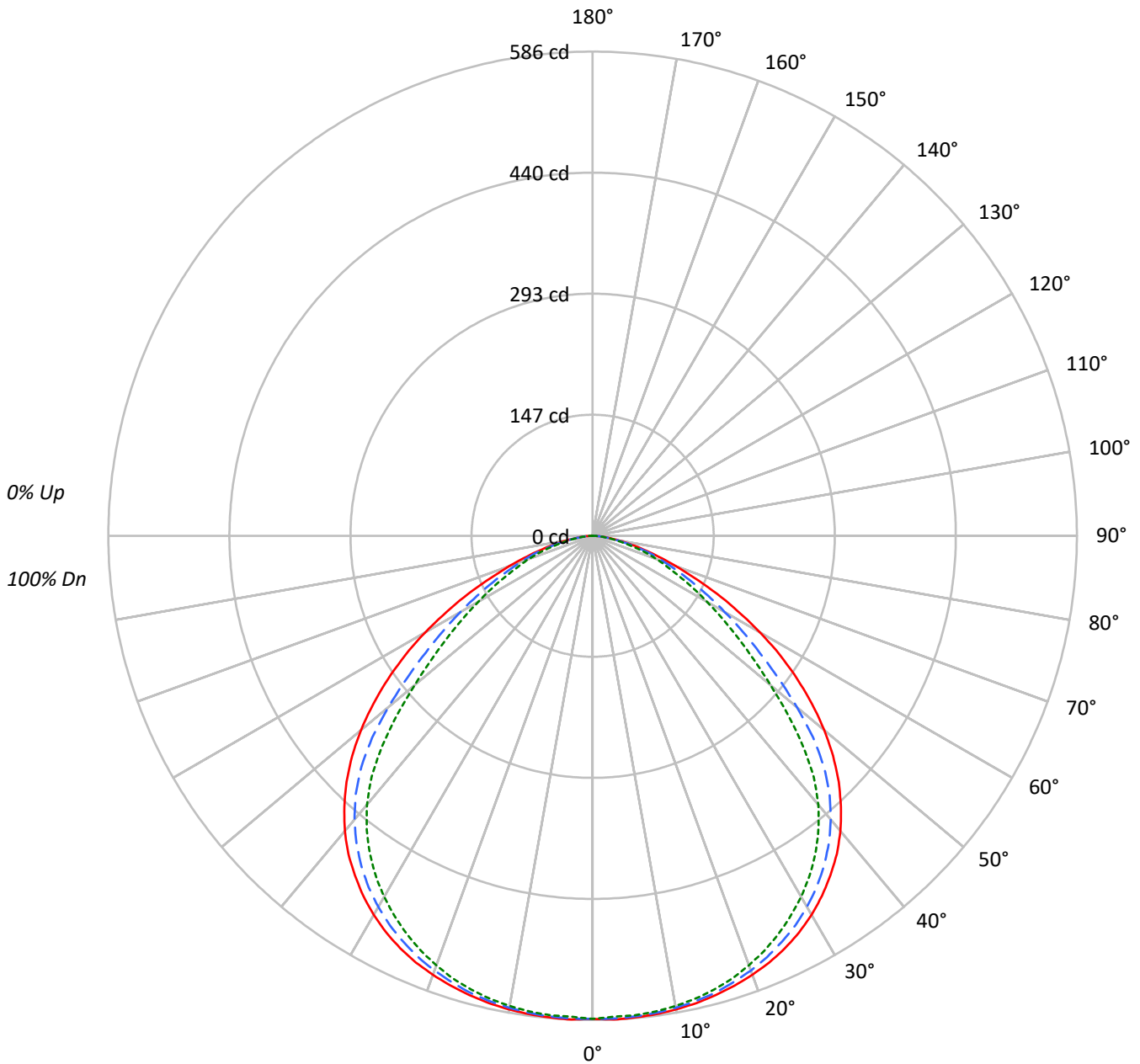
Lumens per Lamp: N/A
Luminaire Lumens: 1507.0 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 17.4
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

TEST NUMBER: P412276

CATALOG NUMBER: 14PD-20-PB1-L927

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				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°	1573	1573	1573
5°	1581	1578	1574
10°	1591	1585	1579
15°	1604	1595	1584
20°	1619	1603	1584
25°	1636	1610	1579
30°	1647	1611	1568
35°	1648	1603	1544
40°	1638	1575	1492
45°	1603	1506	1370
50°	1531	1349	1175
55°	1418	1157	1003
60°	1260	993	857
65°	1057	847	734
70°	838	720	648
75°	655	587	515
80°	488	439	395
85°	324	287	262



TEST NUMBER: P412276

CATALOG NUMBER: 14PD-20-PB1-L927

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.6	3.7
10°-20°	161.6	10.7
20°-30°	249.5	16.6
30°-40°	303.6	20.1
40°-50°	300.5	19.9
50°-60°	226.4	15.0
60°-70°	136.0	9.0
70°-80°	61.3	4.1
80°-90°	12.6	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°	466.6	31.0
0°-40°	770.3	51.1
0°-60°	1297.1	86.1
0°-90°	1507.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1507.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	585	585	585	585	585	
5°	585	583	584	584	583	56
15°	576	573	573	570	568	163
25°	551	547	542	535	532	254
35°	502	496	488	476	470	314
45°	421	414	396	372	360	324
55°	302	281	247	222	214	269
65°	166	150	133	119	115	165
75°	63	60	56	51	50	69
85°	10	11	9	9	8	14
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	584.6	584.6	584.6	584.6	584.6
2.5°	586.1	583.6	584.9	584.6	582.6
5°	585.4	583.1	584.1	583.6	582.6
7.5°	584.1	581.9	582.6	581.9	580.9
10°	582.1	579.6	580.1	578.6	577.9
12.5°	579.4	576.4	576.9	574.9	573.9
15°	575.6	572.9	572.6	570.4	568.4
17.5°	570.9	568.1	566.6	564.1	561.9
20°	565.4	561.9	559.9	555.4	553.1
22.5°	558.9	555.1	551.9	545.6	543.4
25°	550.9	546.6	542.1	534.9	531.9
27.5°	541.1	536.6	531.4	523.4	518.9
30°	529.9	525.1	518.6	509.4	504.6
32.5°	516.6	511.4	504.4	493.4	488.4
35°	501.6	496.1	487.9	475.9	469.9
37.5°	485.4	479.1	469.4	454.8	448.8
40°	466.4	460.1	448.3	431.6	424.8
42.5°	444.8	438.6	424.3	404.3	396.1
45°	421.1	413.8	395.8	371.6	360.1
47.5°	394.6	385.3	361.8	332.1	320.6
50°	365.8	353.6	322.3	291.8	280.6
52.5°	334.6	319.1	283.1	255.8	245.1
55°	302.3	281.1	246.6	222.5	213.8
57.5°	268.8	243.3	214.5	193.5	185.3
60°	234.1	209.3	184.5	165.3	159.3
62.5°	198.5	178.3	157.8	140.0	136.8
65°	166.0	150.5	133.0	119.0	115.3
67.5°	133.3	124.5	111.0	101.5	97.3
70°	106.5	100.8	91.5	83.8	82.3
72.5°	83.3	79.5	76.0	69.3	66.5
75°	63.0	59.8	56.5	51.3	49.5
77.5°	45.5	44.3	41.5	38.0	37.3
80°	31.5	31.5	28.3	26.3	25.5
82.5°	19.5	21.3	17.8	16.5	15.8
85°	10.5	10.8	9.3	8.8	8.5
87.5°	4.0	4.5	4.3	3.5	3.5
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)