

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: P412285

Luminaire Tested: **14PD-25-PB1-L927**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412285
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-L927
Description: 2500 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

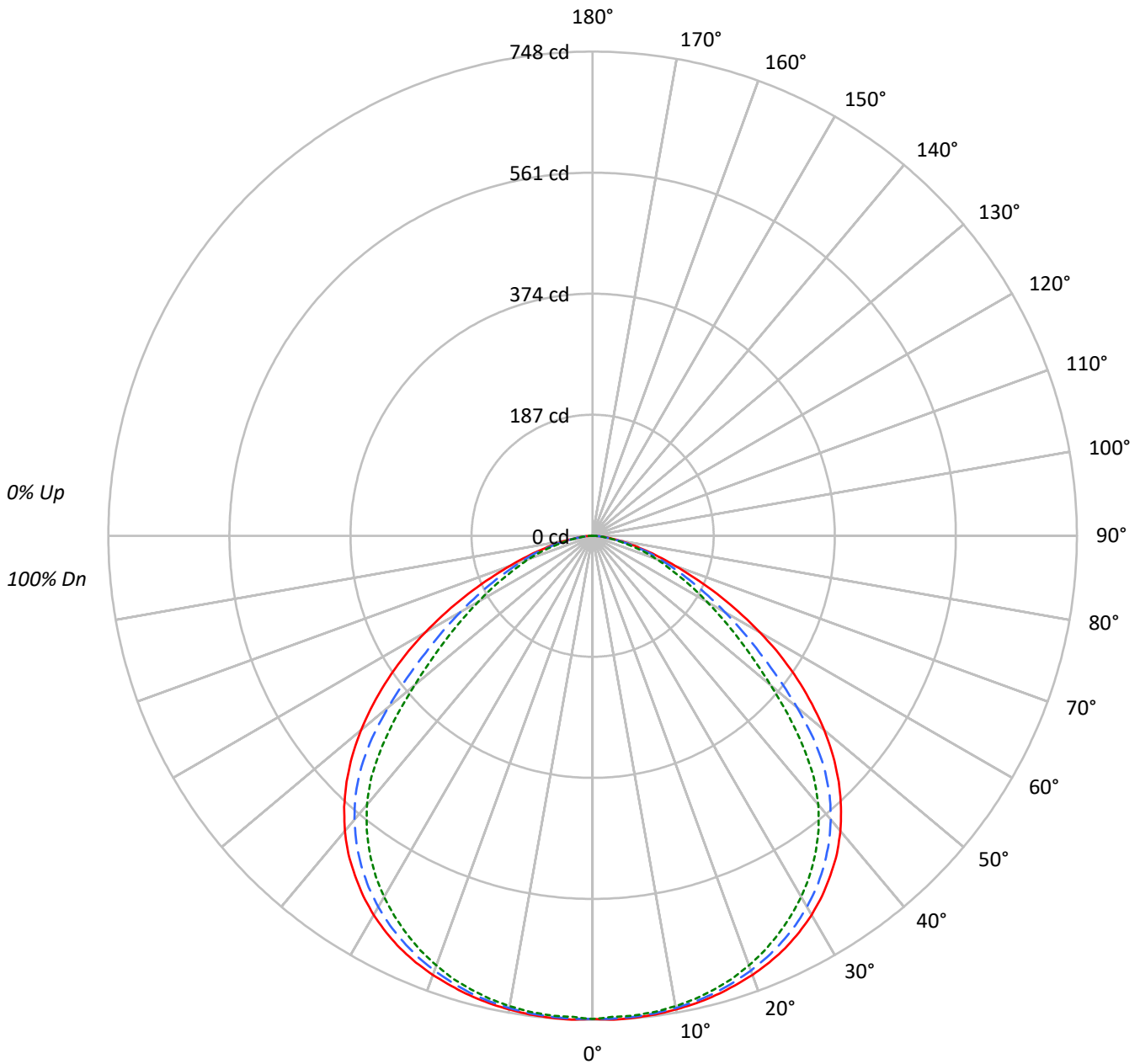
Lumens per Lamp: N/A
Luminaire Lumens: 1924.0 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P412285

CATALOG NUMBER: 14PD-25-PB1-L927

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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				100
1	110	106	102	99	107	104	100	97	99	96	94	95	93	91	92	90	88	86				86
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74				74
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63				63
4	85	74	66	59	83	73	65	59	70	63	58	68	62	57	66	61	57	55				55
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	50	48				48
6	73	60	51	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42				42
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37				37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	35	45	40	35	33				33
9	59	46	38	32	57	45	37	32	44	37	32	43	37	32	42	36	32	30				30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27				27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2009	2009	2009
5°	2019	2015	2009
10°	2031	2024	2016
15°	2047	2037	2021
20°	2067	2047	2022
25°	2088	2055	2016
30°	2102	2057	2002
35°	2104	2046	1971
40°	2092	2011	1905
45°	2046	1923	1749
50°	1955	1723	1500
55°	1811	1477	1281
60°	1608	1268	1095
65°	1350	1081	937
70°	1070	919	826
75°	837	750	657
80°	623	559	505
85°	414	364	337



TEST NUMBER: P412285

CATALOG NUMBER: 14PD-25-PB1-L927

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.0	3.7
10°-20°	206.3	10.7
20°-30°	318.5	16.6
30°-40°	387.6	20.1
40°-50°	383.6	19.9
50°-60°	289.0	15.0
60°-70°	173.7	9.0
70°-80°	78.3	4.1
80°-90°	16.0	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°	595.7	31.0
0°-40°	983.4	51.1
0°-60°	1656.0	86.1
0°-90°	1924.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1924.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	746	746	746	746	746	
5°	747	744	746	745	744	71
15°	735	731	731	728	726	208
25°	703	698	692	683	679	324
35°	640	633	623	608	600	400
45°	538	528	505	474	460	413
55°	386	359	315	284	273	344
65°	212	192	170	152	147	211
75°	80	76	72	65	63	88
85°	13	14	12	11	11	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	746.4	746.4	746.4	746.4	746.4
2.5°	748.3	745.1	746.7	746.4	743.8
5°	747.4	744.5	745.8	745.1	743.8
7.5°	745.8	742.9	743.8	742.9	741.6
10°	743.2	740.0	740.7	738.7	737.8
12.5°	739.7	735.9	736.5	733.9	732.7
15°	734.9	731.4	731.1	728.2	725.6
17.5°	728.8	725.3	723.4	720.2	717.3
20°	721.8	717.3	714.8	709.0	706.2
22.5°	713.5	708.7	704.6	696.6	693.7
25°	703.3	697.9	692.1	682.9	679.0
27.5°	690.8	685.1	678.4	668.2	662.4
30°	676.5	670.4	662.1	650.3	644.2
32.5°	659.6	652.9	643.9	629.9	623.5
35°	640.4	633.4	622.8	607.5	599.9
37.5°	619.7	611.7	599.2	580.7	573.0
40°	595.4	587.4	572.4	551.0	542.4
42.5°	567.9	560.0	541.8	516.2	505.7
45°	537.6	528.4	505.4	474.4	459.7
47.5°	503.8	492.0	461.9	424.0	409.3
50°	467.1	451.4	411.5	372.6	358.2
52.5°	427.2	407.4	361.4	326.6	312.9
55°	386.0	358.8	314.8	284.1	273.0
57.5°	343.2	310.6	273.9	247.1	236.6
60°	298.8	267.2	235.6	211.0	203.4
62.5°	253.5	227.6	201.4	178.8	174.6
65°	212.0	192.2	169.8	152.0	147.2
67.5°	170.2	159.0	141.7	129.6	124.2
70°	136.0	128.7	116.8	106.9	105.0
72.5°	106.3	101.5	97.1	88.4	84.9
75°	80.5	76.3	72.1	65.4	63.2
77.5°	58.1	56.5	53.0	48.5	47.6
80°	40.2	40.2	36.1	33.5	32.6
82.5°	24.9	27.1	22.7	21.1	20.1
85°	13.4	13.7	11.8	11.2	10.9
87.5°	5.1	5.7	5.4	4.5	4.5
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)