

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: P412619

Luminaire Tested: **14PD-20-PP3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412619
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-20-PP3-L930
Description: 2000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

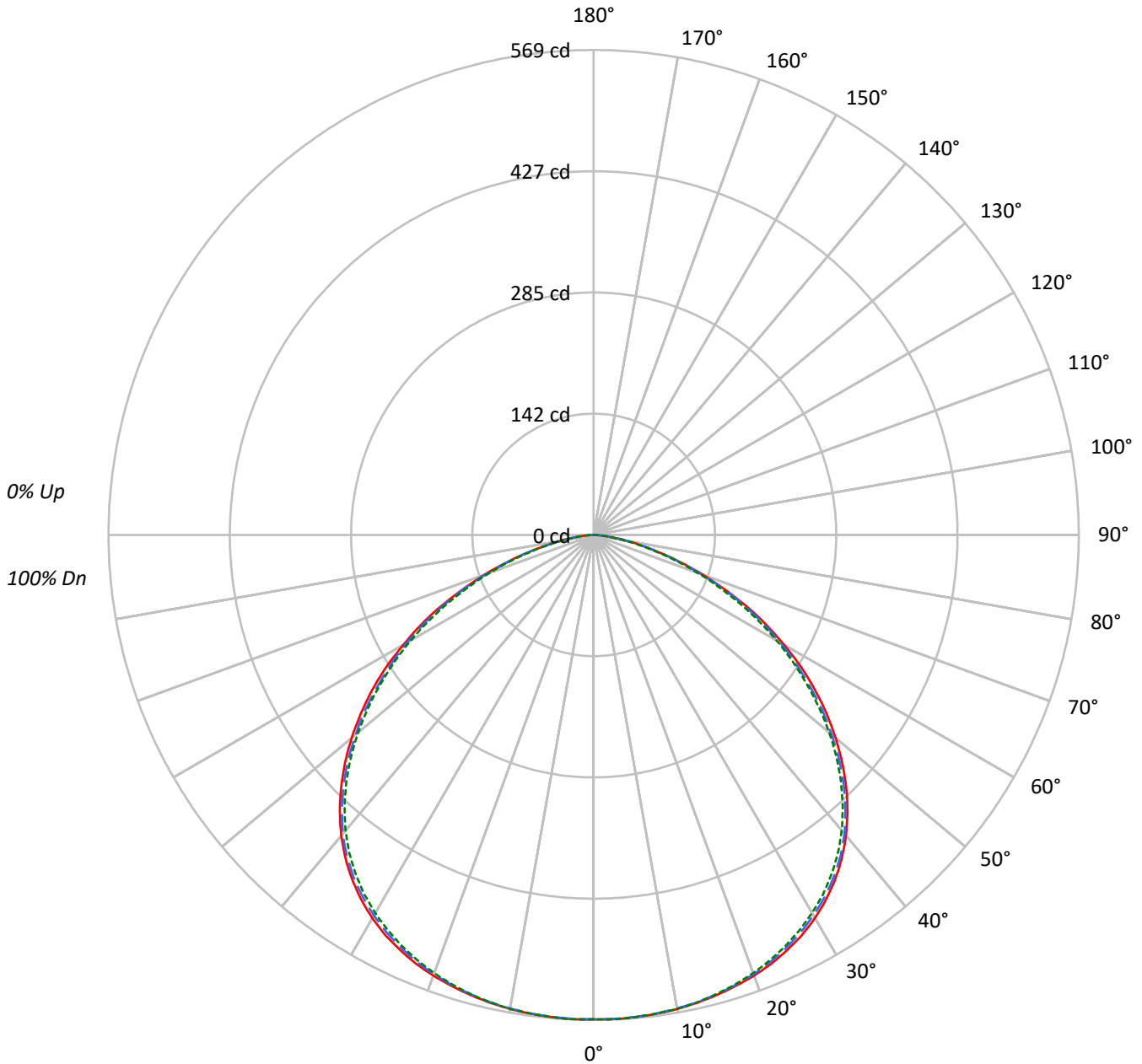
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1654.0 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
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

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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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52			
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45			
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39			
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34			
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31			
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1530	1530	1530
5°	1534	1533	1534
10°	1543	1541	1543
15°	1557	1555	1554
20°	1576	1570	1567
25°	1596	1587	1580
30°	1613	1602	1592
35°	1622	1612	1598
40°	1618	1608	1590
45°	1595	1579	1561
50°	1551	1526	1510
55°	1487	1451	1432
60°	1385	1361	1334
65°	1256	1230	1195
70°	1072	1052	1018
75°	837	829	789
80°	617	592	558
85°	374	374	346



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.1	3.3
10°-20°	157.8	9.5
20°-30°	246.7	14.9
30°-40°	306.6	18.5
40°-50°	319.4	19.3
50°-60°	277.2	16.8
60°-70°	190.6	11.5
70°-80°	86.0	5.2
80°-90°	15.8	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°	458.5	27.7
0°-40°	765.1	46.3
0°-60°	1361.7	82.3
0°-90°	1654.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1654.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	568	568	568	568	568	
5°	568	568	568	567	568	54
15°	559	559	558	558	558	158
25°	537	537	534	532	532	248
35°	494	494	491	488	486	309
45°	419	419	415	412	410	323
55°	317	315	309	306	305	282
65°	197	196	193	189	188	195
75°	80	81	80	78	76	88
85°	12	12	12	12	11	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	568.4	568.4	568.4	568.4	568.4
2.5°	568.6	568.6	568.3	567.8	568.9
5°	567.8	567.9	567.6	567.1	567.9
7.5°	566.6	566.8	566.3	565.8	566.4
10°	564.8	564.6	564.1	563.8	564.6
12.5°	562.2	562.0	561.5	561.2	561.8
15°	558.8	558.8	558.0	557.5	557.7
17.5°	554.9	554.9	553.7	552.6	552.9
20°	550.2	550.1	548.4	547.3	547.1
22.5°	544.5	544.5	542.2	540.7	540.2
25°	537.4	537.2	534.5	532.4	532.1
27.5°	529.3	528.9	525.8	523.6	522.8
30°	519.2	518.8	515.5	513.2	512.2
32.5°	507.3	507.8	504.0	501.3	500.3
35°	493.7	493.7	490.7	487.9	486.3
37.5°	478.2	478.2	475.4	472.6	470.6
40°	460.5	460.7	457.7	454.2	452.6
42.5°	440.7	441.0	437.0	434.2	432.4
45°	419.0	419.2	414.9	411.7	410.2
47.5°	395.5	395.2	390.4	387.8	386.3
50°	370.4	369.8	364.5	362.0	360.7
52.5°	344.1	342.8	338.2	334.5	333.4
55°	316.9	315.0	309.3	305.6	305.3
57.5°	288.4	286.3	281.5	278.0	276.7
60°	257.4	256.9	252.9	248.8	247.8
62.5°	228.3	226.8	223.3	218.3	217.9
65°	197.2	196.4	193.2	188.6	187.6
67.5°	165.1	166.0	163.3	159.2	157.9
70°	136.2	136.7	133.7	129.9	129.4
72.5°	107.1	107.9	105.5	103.0	102.5
75°	80.5	80.8	79.7	77.5	75.9
77.5°	57.2	58.3	57.0	55.5	54.2
80°	39.8	38.0	38.2	37.5	36.0
82.5°	24.0	23.1	23.0	22.3	21.7
85°	12.1	11.9	12.1	11.9	11.2
87.5°	4.0	4.3	4.5	4.5	4.1
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)