

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: P412281

Luminaire Tested: **14PD-25-PB1-L830**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412281
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-L830
Description: 2500 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

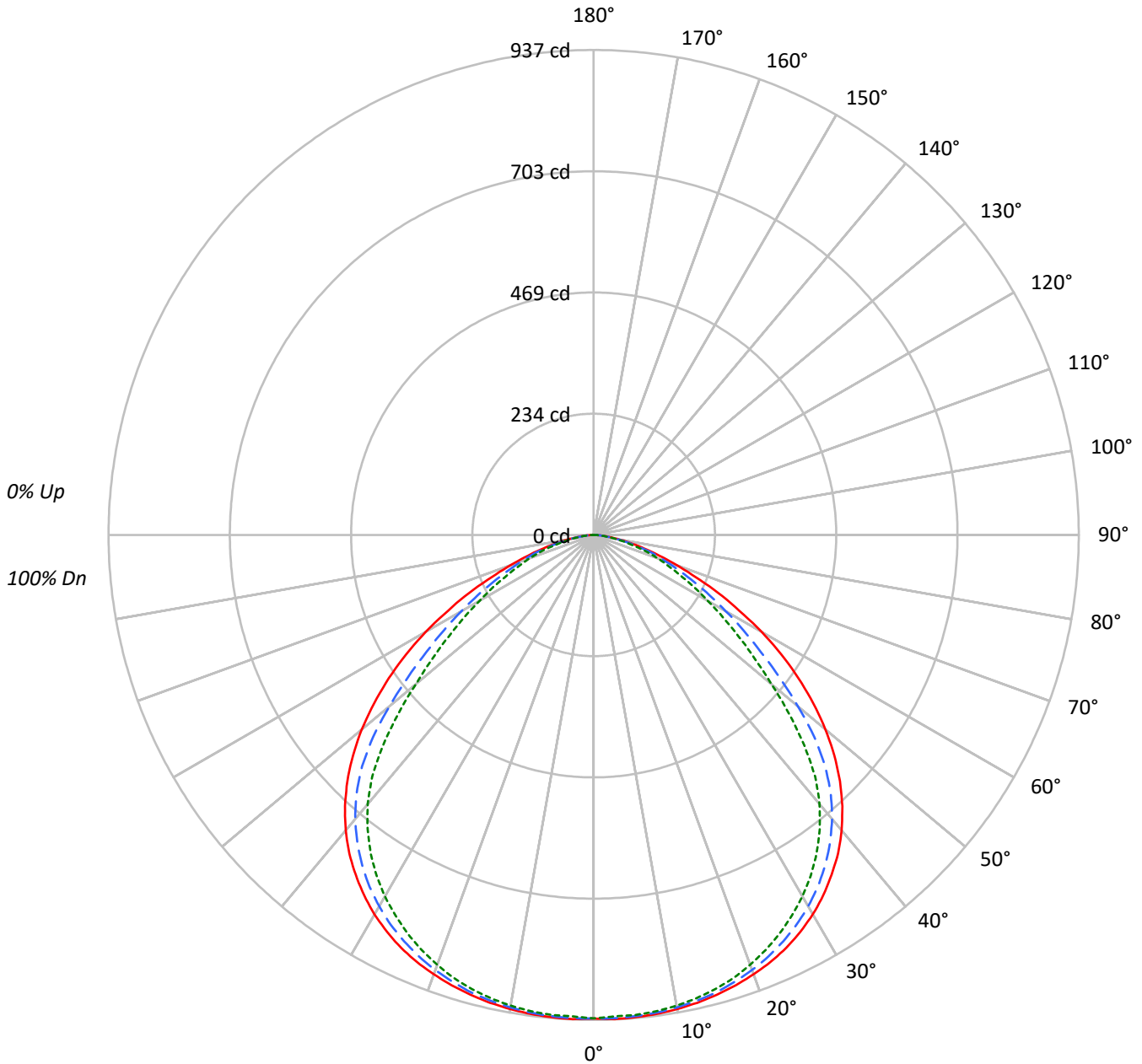
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2408.0 lumens
Efficiency: N/A
Efficacy: 106.1 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°	2514	2514	2514
5°	2527	2521	2515
10°	2542	2533	2523
15°	2562	2549	2530
20°	2587	2562	2531
25°	2613	2572	2523
30°	2631	2575	2505
35°	2633	2561	2466
40°	2618	2517	2385
45°	2561	2407	2190
50°	2447	2156	1877
55°	2267	1848	1603
60°	2013	1587	1370
65°	1689	1354	1173
70°	1339	1150	1035
75°	1047	939	822
80°	779	699	632
85°	519	457	420



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.8	3.7
10°-20°	258.1	10.7
20°-30°	398.6	16.6
30°-40°	485.2	20.1
40°-50°	480.1	19.9
50°-60°	361.7	15.0
60°-70°	217.4	9.0
70°-80°	98.0	4.1
80°-90°	20.1	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°	745.6	31.0
0°-40°	1230.8	51.1
0°-60°	2072.6	86.1
0°-90°	2408.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2408.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	934	934	934	934	934	
5°	935	932	933	933	931	89
15°	920	915	915	911	908	260
25°	880	873	866	855	850	406
35°	802	793	780	760	751	501
45°	673	661	632	594	575	517
55°	483	449	394	356	342	430
65°	265	240	213	190	184	264
75°	101	96	90	82	79	110
85°	17	17	15	14	14	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	934.2	934.2	934.2	934.2	934.2
2.5°	936.6	932.6	934.6	934.2	931.0
5°	935.4	931.8	933.4	932.6	931.0
7.5°	933.4	929.8	931.0	929.8	928.2
10°	930.2	926.2	927.0	924.6	923.4
12.5°	925.8	921.0	921.8	918.6	917.0
15°	919.8	915.4	915.0	911.4	908.2
17.5°	912.2	907.8	905.4	901.4	897.8
20°	903.4	897.8	894.6	887.4	883.8
22.5°	893.0	887.0	881.8	871.8	868.2
25°	880.2	873.4	866.2	854.6	849.9
27.5°	864.6	857.4	849.1	836.3	829.1
30°	846.7	839.1	828.7	813.9	806.3
32.5°	825.5	817.1	805.9	788.3	780.3
35°	801.5	792.7	779.5	760.4	750.8
37.5°	775.5	765.5	750.0	726.8	717.2
40°	745.2	735.2	716.4	689.6	678.8
42.5°	710.8	700.8	678.0	646.1	632.9
45°	672.9	661.3	632.5	593.7	575.4
47.5°	630.5	615.7	578.2	530.6	512.2
50°	584.6	565.0	515.0	466.3	448.3
52.5°	534.6	509.8	452.3	408.7	391.6
55°	483.1	449.1	394.0	355.6	341.6
57.5°	429.5	388.8	342.8	309.3	296.1
60°	374.0	334.4	294.9	264.1	254.5
62.5°	317.2	284.9	252.1	223.8	218.6
65°	265.3	240.5	212.6	190.2	184.2
67.5°	213.0	199.0	177.4	162.2	155.4
70°	170.2	161.0	146.2	133.9	131.5
72.5°	133.1	127.1	121.5	110.7	106.3
75°	100.7	95.5	90.3	81.9	79.1
77.5°	72.7	70.7	66.3	60.7	59.5
80°	50.3	50.3	45.1	42.0	40.8
82.5°	31.2	34.0	28.4	26.4	25.2
85°	16.8	17.2	14.8	14.0	13.6
87.5°	6.4	7.2	6.8	5.6	5.6
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)