

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: P412566

Luminaire Tested: **24PD-70-PB1-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412566
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-45)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-70-PB1-L935
Description: 7000 LUMEN 2X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

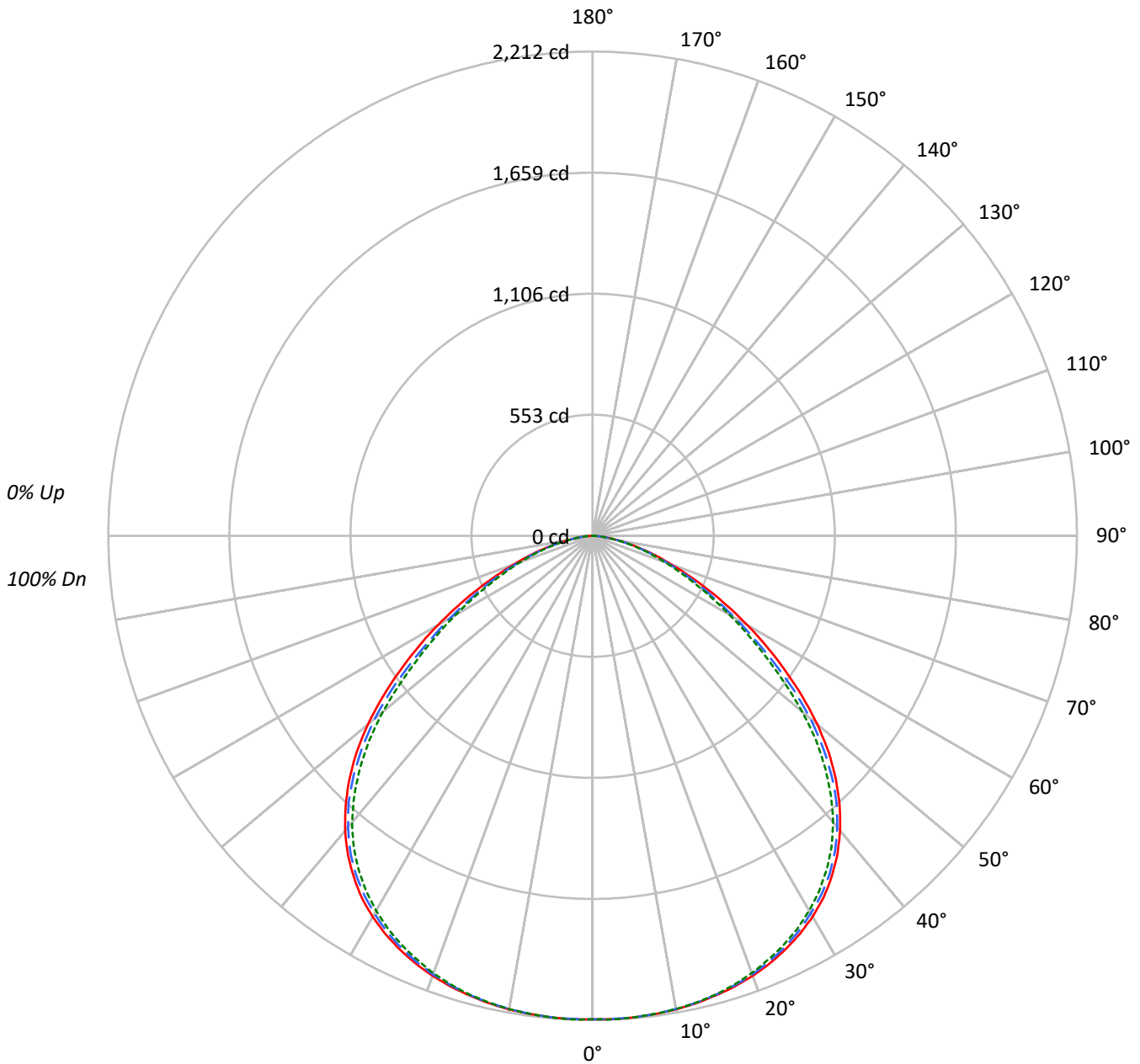
Lumens per Lamp: N/A
Luminaire Lumens: 5878.0 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.32 / 1.41
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51.5
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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86			
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73			
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63			
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	65	60	56	54			
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47			
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	43	41			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37			
8	63	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30			
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	39	33	29	27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2972	2972	2972
5°	2982	2982	2982
10°	3002	2999	3000
15°	3029	3025	3022
20°	3063	3053	3045
25°	3095	3080	3062
30°	3122	3096	3073
35°	3125	3098	3060
40°	3089	3053	3002
45°	2989	2935	2859
50°	2803	2716	2617
55°	2519	2369	2272
60°	2193	2018	1941
65°	1845	1707	1633
70°	1504	1428	1371
75°	1206	1163	1114
80°	925	853	830
85°	579	560	560



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.3	3.6
10°-20°	613.9	10.4
20°-30°	956.4	16.3
30°-40°	1176.5	20.0
40°-50°	1181.7	20.1
50°-60°	910.8	15.5
60°-70°	540.7	9.2
70°-80°	240.7	4.1
80°-90°	47.0	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°	1780.5	30.3
0°-40°	2957.0	50.3
0°-60°	5049.6	85.9
0°-90°	5878.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5878.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2209	2209	2209	2209	2209	
5°	2208	2208	2208	2206	2208	210
15°	2174	2174	2172	2168	2170	615
25°	2085	2084	2074	2065	2063	962
35°	1903	1900	1886	1871	1863	1188
45°	1571	1567	1542	1516	1502	1206
55°	1074	1053	1010	980	968	960
65°	580	554	536	516	513	579
75°	232	227	224	216	214	251
85°	38	36	36	34	36	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2209.0	2209.0	2209.0	2209.0	2209.0
2.5°	2210.2	2209.6	2209.6	2207.3	2212.0
5°	2207.9	2208.4	2207.9	2205.5	2207.9
7.5°	2203.2	2203.8	2202.6	2200.2	2202.6
10°	2197.3	2197.3	2195.0	2193.8	2195.6
12.5°	2187.4	2187.4	2185.0	2183.3	2185.0
15°	2174.5	2174.5	2171.6	2168.0	2169.8
17.5°	2158.7	2158.7	2154.0	2149.3	2150.5
20°	2139.4	2138.8	2132.3	2125.9	2126.5
22.5°	2114.8	2114.2	2106.0	2098.4	2096.0
25°	2084.9	2084.3	2074.4	2065.0	2062.7
27.5°	2050.4	2048.0	2036.9	2026.4	2024.0
30°	2009.4	2007.6	1993.0	1982.4	1977.8
32.5°	1962.0	1957.3	1943.8	1930.9	1924.5
35°	1902.8	1899.9	1886.4	1870.6	1863.0
37.5°	1836.1	1833.1	1818.5	1800.9	1792.2
40°	1758.8	1756.4	1738.3	1720.1	1709.0
42.5°	1669.8	1668.0	1648.7	1623.5	1611.8
45°	1570.9	1566.8	1542.2	1516.4	1502.3
47.5°	1460.8	1453.8	1423.9	1399.3	1384.1
50°	1339.0	1329.6	1297.4	1265.8	1250.0
52.5°	1207.3	1190.9	1157.5	1121.2	1106.0
55°	1073.8	1053.3	1010.0	979.5	968.4
57.5°	943.2	913.4	872.4	850.7	839.6
60°	815.0	782.2	750.0	728.9	721.3
62.5°	692.6	665.1	637.6	616.5	611.8
65°	579.6	554.5	536.3	515.8	512.9
67.5°	474.2	462.5	446.1	428.6	426.2
70°	382.3	377.6	363.0	352.5	348.4
72.5°	305.0	300.4	289.8	282.2	281.0
75°	231.9	227.2	223.7	216.0	214.3
77.5°	165.1	165.7	162.8	158.7	159.8
80°	119.4	112.4	110.1	107.7	107.1
82.5°	73.2	69.1	67.3	66.7	67.9
85°	37.5	35.7	36.3	34.5	36.3
87.5°	12.9	12.9	13.5	12.9	14.1
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)