

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: P412298

Luminaire Tested: **14PD-30-PB1-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412298
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-30-PB1-L950
Description: 3000 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

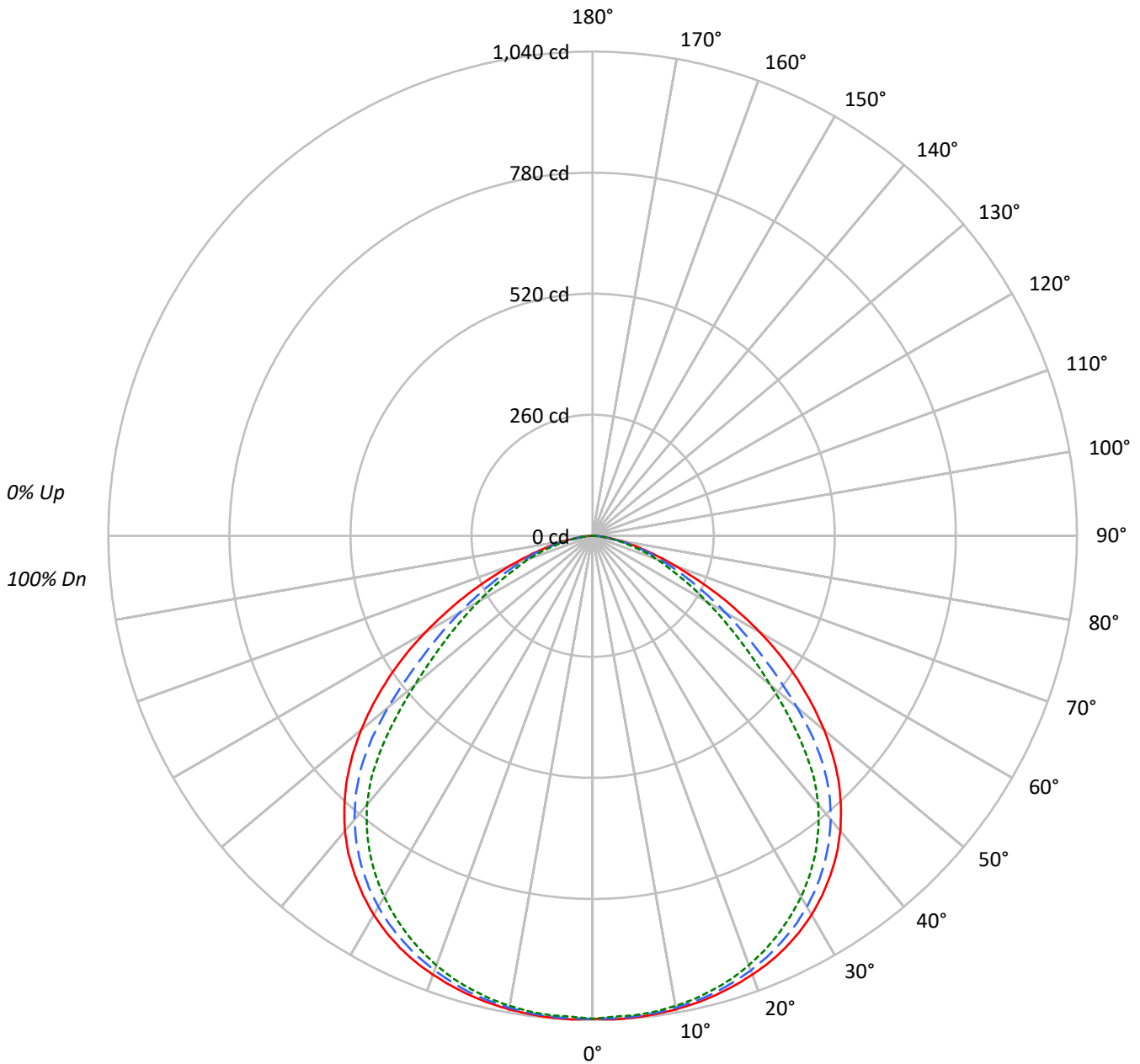
Lumens per Lamp: N/A
Luminaire Lumens: 2674.0 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 27
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: P412298

CATALOG NUMBER: 14PD-30-PB1-L950

Luminous Intensity Polar Plot





TEST NUMBER: P412298

CATALOG NUMBER: 14PD-30-PB1-L950

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			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°	2792	2792	2792
5°	2806	2800	2793
10°	2822	2813	2802
15°	2846	2831	2810
20°	2873	2845	2810
25°	2902	2856	2802
30°	2921	2859	2782
35°	2924	2844	2739
40°	2907	2794	2648
45°	2844	2673	2431
50°	2717	2394	2084
55°	2517	2053	1780
60°	2235	1762	1521
65°	1876	1503	1302
70°	1487	1278	1149
75°	1162	1043	914
80°	866	776	702
85°	574	506	466



TEST NUMBER: P412298

CATALOG NUMBER: 14PD-30-PB1-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.6	3.7
10°-20°	286.7	10.7
20°-30°	442.7	16.6
30°-40°	538.8	20.1
40°-50°	533.1	19.9
50°-60°	401.7	15.0
60°-70°	241.4	9.0
70°-80°	108.8	4.1
80°-90°	22.3	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°	828.0	31.0
0°-40°	1366.7	51.1
0°-60°	2301.6	86.1
0°-90°	2674.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2674.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1037	1037	1037	1037	1037	
5°	1039	1035	1036	1036	1034	99
15°	1021	1016	1016	1012	1008	289
25°	978	970	962	949	944	451
35°	890	880	866	844	834	556
45°	747	734	702	659	639	574
55°	536	499	438	395	379	478
65°	295	267	236	211	204	293
75°	112	106	100	91	88	122
85°	19	19	16	16	15	24
90°	0	0	0	0	0	



TEST NUMBER: P412298

CATALOG NUMBER: 14PD-30-PB1-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1037.4	1037.4	1037.4	1037.4	1037.4
2.5°	1040.0	1035.6	1037.8	1037.4	1033.8
5°	1038.7	1034.7	1036.5	1035.6	1033.8
7.5°	1036.5	1032.5	1033.8	1032.5	1030.7
10°	1032.9	1028.5	1029.4	1026.7	1025.4
12.5°	1028.0	1022.7	1023.6	1020.0	1018.3
15°	1021.4	1016.5	1016.1	1012.1	1008.5
17.5°	1013.0	1008.1	1005.4	1001.0	997.0
20°	1003.2	997.0	993.4	985.4	981.4
22.5°	991.7	985.0	979.2	968.1	964.1
25°	977.5	969.9	961.9	949.1	943.7
27.5°	960.2	952.2	942.8	928.6	920.7
30°	940.2	931.8	920.2	903.8	895.4
32.5°	916.7	907.4	894.9	875.4	866.5
35°	890.0	880.3	865.6	844.3	833.7
37.5°	861.2	850.1	832.8	807.1	796.4
40°	827.5	816.4	795.5	765.8	753.8
42.5°	789.3	778.2	752.9	717.5	702.8
45°	747.2	734.3	702.4	659.3	638.9
47.5°	700.1	683.7	642.0	589.2	568.8
50°	649.1	627.4	571.9	517.8	497.8
52.5°	593.7	566.2	502.3	453.9	434.8
55°	536.4	498.7	437.5	394.9	379.4
57.5°	477.0	431.7	380.7	343.4	328.8
60°	415.3	371.4	327.4	293.3	282.6
62.5°	352.3	316.4	280.0	248.5	242.7
65°	294.6	267.1	236.0	211.2	204.5
67.5°	236.5	221.0	197.0	180.1	172.6
70°	189.0	178.8	162.4	148.6	146.0
72.5°	147.7	141.1	134.9	122.9	118.0
75°	111.8	106.0	100.3	91.0	87.9
77.5°	80.8	78.5	73.7	67.4	66.1
80°	55.9	55.9	50.1	46.6	45.3
82.5°	34.6	37.7	31.5	29.3	28.0
85°	18.6	19.1	16.4	15.5	15.1
87.5°	7.1	8.0	7.5	6.2	6.2
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)