

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: P412307

Luminaire Tested: **14PD-35-PB1-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412307
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-35-PB1-L950
Description: 3500 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

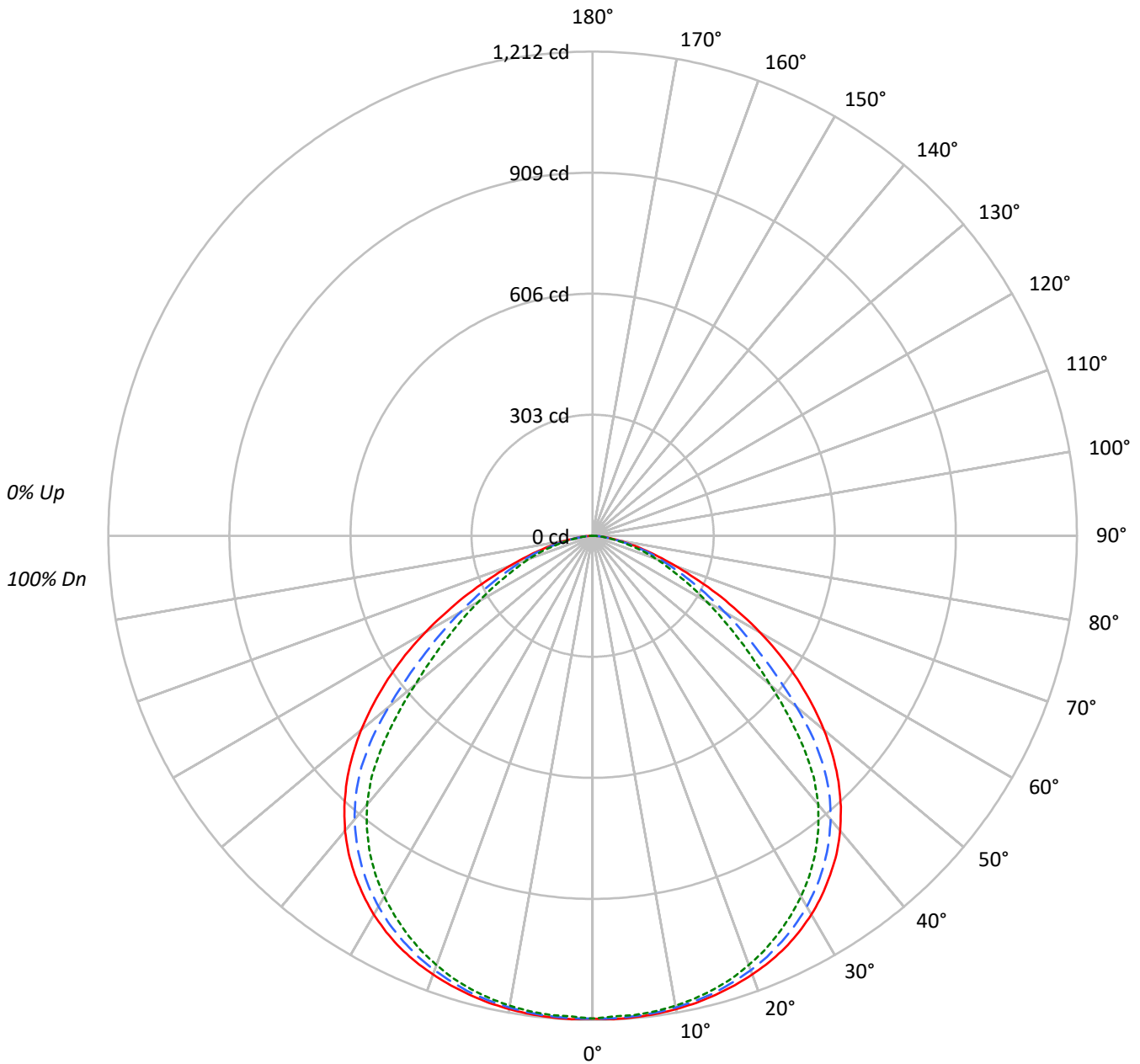
Lumens per Lamp: N/A
Luminaire Lumens: 3115.0 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 31.8
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			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°	3252	3252	3252
5°	3269	3261	3253
10°	3288	3277	3264
15°	3315	3297	3273
20°	3346	3314	3274
25°	3381	3327	3264
30°	3403	3331	3241
35°	3406	3313	3190
40°	3386	3255	3085
45°	3312	3114	2833
50°	3166	2789	2428
55°	2932	2391	2073
60°	2604	2053	1772
65°	2185	1751	1517
70°	1733	1489	1338
75°	1355	1214	1064
80°	1009	905	817
85°	670	590	543



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.9	3.7
10°-20°	333.9	10.7
20°-30°	515.7	16.6
30°-40°	627.6	20.1
40°-50°	621.1	19.9
50°-60°	467.9	15.0
60°-70°	281.2	9.0
70°-80°	126.7	4.1
80°-90°	25.9	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°	964.5	31.0
0°-40°	1592.1	51.1
0°-60°	2681.1	86.1
0°-90°	3115.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3115.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1208	1208	1208	1208	1208	
5°	1210	1205	1207	1206	1204	115
15°	1190	1184	1184	1179	1175	336
25°	1139	1130	1121	1106	1099	525
35°	1037	1026	1008	984	971	648
45°	870	855	818	768	744	669
55°	625	581	510	460	442	557
65°	343	311	275	246	238	341
75°	130	124	117	106	102	142
85°	22	22	19	18	18	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1208.4	1208.4	1208.4	1208.4	1208.4
2.5°	1211.5	1206.4	1209.0	1208.4	1204.3
5°	1210.0	1205.3	1207.4	1206.4	1204.3
7.5°	1207.4	1202.8	1204.3	1202.8	1200.7
10°	1203.3	1198.1	1199.1	1196.0	1194.5
12.5°	1197.6	1191.4	1192.4	1188.3	1186.2
15°	1189.8	1184.1	1183.6	1179.0	1174.8
17.5°	1180.0	1174.3	1171.2	1166.1	1161.4
20°	1168.6	1161.4	1157.3	1148.0	1143.3
22.5°	1155.2	1147.4	1140.7	1127.8	1123.2
25°	1138.7	1129.9	1120.6	1105.6	1099.4
27.5°	1118.5	1109.2	1098.3	1081.8	1072.5
30°	1095.2	1085.4	1072.0	1052.9	1043.0
32.5°	1067.8	1057.0	1042.5	1019.8	1009.4
35°	1036.8	1025.5	1008.4	983.6	971.2
37.5°	1003.2	990.3	970.2	940.2	927.8
40°	964.0	951.0	926.7	892.1	878.2
42.5°	919.5	906.6	877.1	835.8	818.7
45°	870.4	855.4	818.2	768.1	744.3
47.5°	815.6	796.5	747.9	686.4	662.6
50°	756.2	730.9	666.2	603.2	579.9
52.5°	691.6	659.5	585.1	528.8	506.5
55°	624.9	581.0	509.6	460.0	441.9
57.5°	555.6	502.9	443.5	400.1	383.0
60°	483.8	432.6	381.4	341.6	329.2
62.5°	410.4	368.5	326.1	289.4	282.7
65°	343.2	311.2	275.0	246.0	238.3
67.5°	275.5	257.4	229.5	209.8	201.1
70°	220.2	208.3	189.2	173.2	170.0
72.5°	172.1	164.4	157.1	143.2	137.5
75°	130.3	123.5	116.8	106.0	102.3
77.5°	94.1	91.5	85.8	78.6	77.0
80°	65.1	65.1	58.4	54.3	52.7
82.5°	40.3	43.9	36.7	34.1	32.6
85°	21.7	22.2	19.1	18.1	17.6
87.5°	8.3	9.3	8.8	7.2	7.2
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)