

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: P506572

Luminaire Tested: **24PD-30-PL1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506572
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-30-PL1-L940
Description: 3000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

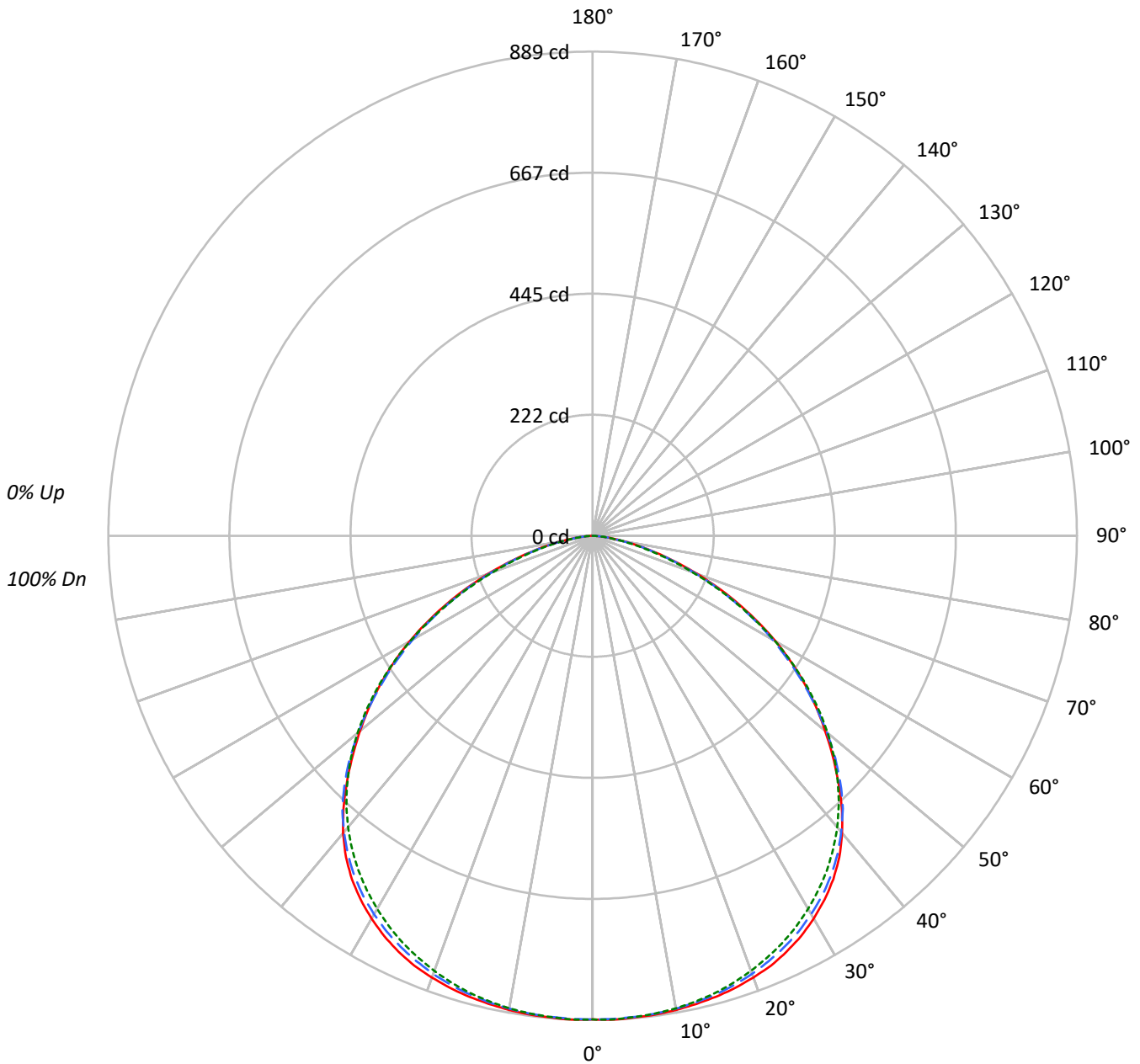
Lumens per Lamp: N/A
Luminaire Lumens: 2547.8 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 21.3
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
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°	1195	1195	1195
5°	1199	1198	1198
10°	1208	1204	1203
15°	1221	1215	1211
20°	1236	1226	1217
25°	1251	1237	1224
30°	1261	1246	1229
35°	1265	1252	1232
40°	1252	1247	1227
45°	1213	1224	1211
50°	1166	1175	1179
55°	1116	1107	1124
60°	1044	1027	1040
65°	939	921	920
70°	800	782	764
75°	630	616	591
80°	450	437	413
85°	267	262	244



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.5	3.3
10°-20°	246.5	9.7
20°-30°	384.3	15.1
30°-40°	475.5	18.7
40°-50°	493.0	19.3
50°-60°	424.4	16.7
60°-70°	288.0	11.3
70°-80°	128.5	5.0
80°-90°	23.1	0.9
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°	715.3	28.1
0°-40°	1190.8	46.7
0°-60°	2108.2	82.7
0°-90°	2547.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2547.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	888	888	888	888	888	
5°	888	887	887	887	887	85
15°	876	874	872	870	869	248
25°	843	840	833	827	825	389
35°	770	768	762	754	750	481
45°	638	641	644	641	636	491
55°	476	476	472	477	479	424
65°	295	296	289	286	289	292
75°	121	122	118	116	114	131
85°	17	18	17	17	16	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	<i>888.1</i>	888.1	888.1	888.1	888.1
2.5°	<i>889.4</i>	<i>887.4</i>	<i>887.7</i>	<i>887.9</i>	<i>888.9</i>
5°	<i>888.1</i>	886.9	886.7	886.7	886.9
7.5°	<i>886.7</i>	885.2	885.0	884.7	884.7
10°	<i>884.0</i>	882.6	881.6	881.1	880.8
12.5°	<i>880.4</i>	878.7	877.4	876.5	875.7
15°	<i>876.2</i>	873.8	871.9	869.9	869.2
17.5°	<i>870.4</i>	868.2	864.8	861.6	860.4
20°	<i>863.1</i>	860.9	856.0	851.7	850.0
22.5°	<i>854.6</i>	851.4	845.3	840.5	838.0
25°	<i>842.7</i>	839.5	833.2	827.1	824.7
27.5°	<i>828.8</i>	825.9	819.1	811.8	808.9
30°	<i>811.5</i>	809.6	802.3	794.3	791.1
32.5°	<i>792.3</i>	790.4	784.1	775.1	771.4
35°	<i>770.2</i>	768.0	762.4	754.1	749.8
37.5°	<i>743.9</i>	743.2	737.9	729.3	725.2
40°	<i>712.6</i>	714.0	709.9	702.6	698.5
42.5°	<i>676.8</i>	680.0	680.0	673.2	669.0
45°	<i>637.7</i>	640.6	643.5	641.1	636.4
47.5°	<i>597.5</i>	600.7	604.1	605.1	601.2
50°	<i>557.2</i>	559.1	561.3	565.7	563.2
52.5°	<i>517.0</i>	517.8	517.0	522.9	522.4
55°	<i>475.7</i>	475.9	472.0	477.4	479.1
57.5°	<i>432.6</i>	433.4	427.0	430.0	433.6
60°	<i>387.9</i>	388.6	381.6	382.1	386.4
62.5°	<i>341.7</i>	342.7	335.6	333.9	337.8
65°	<i>295.0</i>	296.2	289.2	286.0	288.9
67.5°	<i>248.5</i>	250.0	243.4	239.5	240.3
70°	<i>203.3</i>	204.5	198.7	195.0	194.1
72.5°	<i>160.3</i>	161.5	156.9	153.2	151.5
75°	<i>121.1</i>	122.1	118.4	115.8	113.6
77.5°	<i>87.1</i>	87.8	84.9	82.9	80.7
80°	<i>58.1</i>	58.4	56.4	55.2	53.3
82.5°	<i>34.8</i>	35.0	33.8	33.3	31.9
85°	<i>17.3</i>	17.5	17.0	17.0	15.8
87.5°	<i>6.1</i>	5.8	6.1	6.1	5.4
90°	<i>0.0</i>	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)