

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: P506581

Luminaire Tested: **24PD-30-PR1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506581
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-30-PR1-L940
Description: 3000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI, 4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

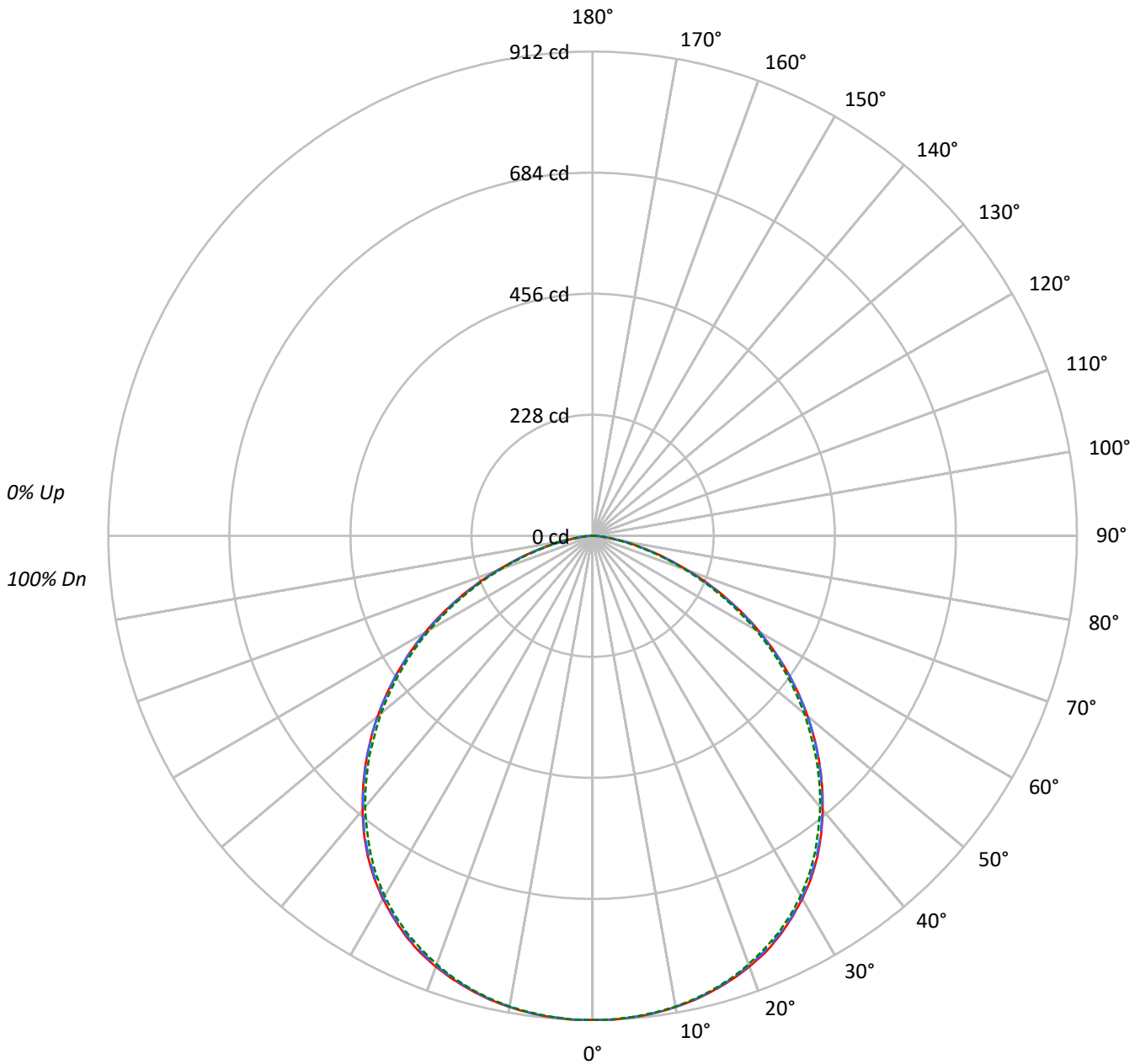
Lumens per Lamp: N/A
Luminaire Lumens: 2455.0 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40																			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35																			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28																			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1227	1227	1227
5°	1229	1228	1228
10°	1232	1230	1230
15°	1234	1232	1231
20°	1237	1234	1230
25°	1235	1232	1227
30°	1227	1223	1217
35°	1212	1208	1198
40°	1184	1181	1171
45°	1149	1147	1134
50°	1106	1106	1089
55°	1052	1050	1030
60°	980	977	954
65°	883	873	853
70°	754	743	725
75°	596	583	569
80°	423	412	400
85°	255	247	239



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.5	3.5
10°-20°	249.9	10.2
20°-30°	382.0	15.6
30°-40°	458.7	18.7
40°-50°	463.6	18.9
50°-60°	398.3	16.2
60°-70°	271.7	11.1
70°-80°	122.2	5.0
80°-90°	22.0	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°	718.4	29.3
0°-40°	1177.2	48.0
0°-60°	2039.1	83.1
0°-90°	2455.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2455.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	912	912	912	912	912	
5°	910	910	910	909	909	87
15°	886	886	885	884	884	250
25°	832	832	830	827	826	383
35°	738	738	736	731	730	461
45°	604	606	603	599	596	465
55°	448	450	448	444	439	400
65°	277	279	274	272	268	275
75°	115	116	112	111	110	124
85°	16	17	16	16	16	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	911.9	911.9	911.9	911.9	911.9
2.5°	912.1	911.9	911.7	911.2	911.9
5°	910.0	909.8	909.5	909.1	909.1
7.5°	906.7	906.2	906.2	905.5	905.3
10°	901.5	901.3	900.6	900.6	900.4
12.5°	894.9	894.5	893.8	893.5	893.1
15°	886.0	885.8	884.8	884.1	883.9
17.5°	875.9	875.2	874.5	872.8	872.8
20°	863.6	863.1	861.5	859.8	858.9
22.5°	849.5	848.5	846.7	845.0	843.1
25°	832.1	831.8	829.7	826.9	826.2
27.5°	811.8	812.3	810.2	807.3	805.9
30°	789.7	790.6	787.5	784.0	783.3
32.5°	765.4	765.6	763.1	759.3	757.9
35°	737.9	737.9	735.5	731.0	729.6
37.5°	707.2	707.0	705.6	700.4	697.8
40°	674.0	675.2	672.4	667.7	666.5
42.5°	639.6	641.1	638.5	634.5	631.9
45°	603.8	605.5	602.9	598.7	596.1
47.5°	566.9	568.1	566.2	560.8	557.2
50°	528.5	530.8	528.3	522.6	520.2
52.5°	488.9	491.5	488.4	484.2	479.7
55°	448.4	450.1	447.5	443.5	439.0
57.5°	406.7	410.0	405.8	401.1	397.3
60°	364.3	367.2	362.9	358.7	354.7
62.5°	321.2	323.1	318.4	315.8	311.1
65°	277.4	278.8	274.1	272.3	267.8
67.5°	234.1	235.3	230.8	228.2	225.6
70°	191.7	192.6	188.9	186.5	184.2
72.5°	151.7	151.9	148.4	147.7	144.8
75°	114.7	115.6	112.1	111.4	109.5
77.5°	82.4	82.7	80.3	79.8	78.2
80°	54.6	54.9	53.2	53.0	51.6
82.5°	33.0	33.2	31.8	31.8	30.9
85°	16.5	16.7	16.0	16.0	15.5
87.5°	5.7	5.9	5.7	5.7	5.4
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)