

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: P506234

Luminaire Tested: **22PD-30-PW1-L840**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506234
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-30-PW1-L840
Description: 3000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

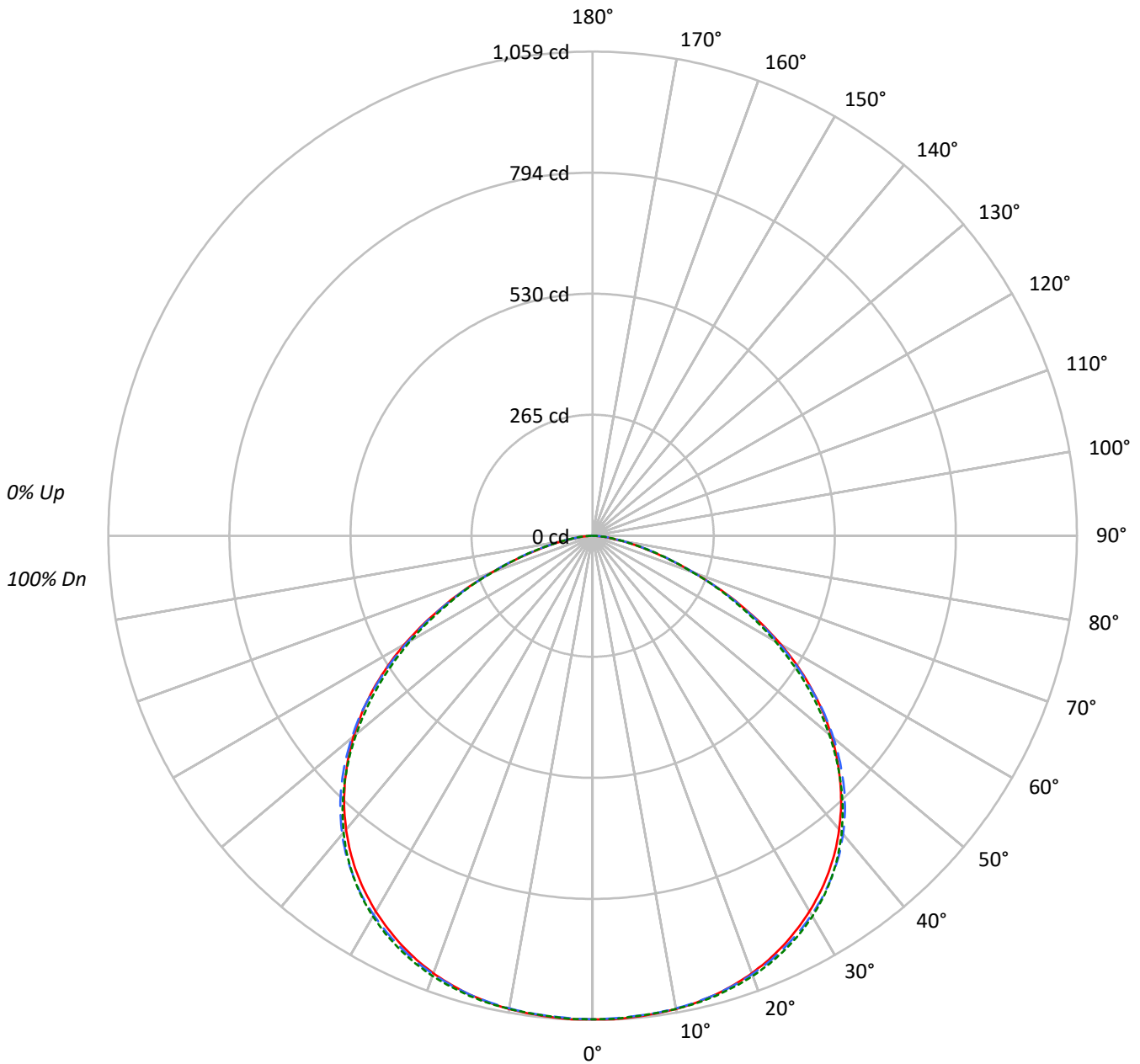
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3057.1 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.6
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	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52																			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39																			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35																			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	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°	2846	2846	2846
5°	2854	2850	2851
10°	2872	2868	2871
15°	2895	2894	2902
20°	2916	2923	2934
25°	2934	2950	2964
30°	2948	2976	2987
35°	2955	2994	2995
40°	2946	2994	2977
45°	2917	2959	2923
50°	2858	2878	2826
55°	2747	2734	2683
60°	2557	2528	2476
65°	2255	2234	2190
70°	1847	1856	1817
75°	1399	1446	1435
80°	1013	1054	1037
85°	664	689	735



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.6	3.3
10°-20°	293.7	9.6
20°-30°	457.9	15.0
30°-40°	567.6	18.6
40°-50°	593.9	19.4
50°-60°	517.5	16.9
60°-70°	346.7	11.3
70°-80°	150.3	4.9
80°-90°	28.9	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°	852.2	27.9
0°-40°	1419.8	46.4
0°-60°	2531.2	82.8
0°-90°	3057.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3057.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1058	1058	1058	1058	1058	
5°	1056	1055	1055	1055	1055	101
15°	1039	1038	1039	1040	1042	294
25°	988	988	994	997	998	456
35°	900	903	911	912	912	562
45°	766	771	778	771	768	590
55°	586	585	583	576	572	521
65°	354	352	351	347	344	350
75°	135	137	139	138	138	148
85°	22	23	22	23	24	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1057.6	1057.6	1057.6	1057.6	1057.6
2.5°	1058.7	1056.8	1056.5	1056.5	1057.6
5°	1056.5	1055.3	1054.9	1054.6	1055.3
7.5°	1054.2	1052.7	1053.1	1052.3	1053.1
10°	1051.2	1049.7	1049.7	1049.7	1050.8
12.5°	1045.9	1044.7	1045.1	1045.9	1047.4
15°	1039.1	1037.6	1038.7	1039.8	1041.7
17.5°	1029.6	1028.5	1030.4	1032.3	1033.8
20°	1018.3	1017.1	1020.6	1023.2	1024.7
22.5°	1004.3	1003.9	1008.5	1011.5	1012.6
25°	988.0	988.4	993.7	996.7	998.2
27.5°	969.5	970.3	977.1	979.7	981.2
30°	948.7	950.6	957.8	960.1	961.2
32.5°	925.3	927.9	936.6	938.2	938.2
35°	899.6	903.0	911.3	912.4	911.7
37.5°	870.9	874.6	884.1	882.6	881.5
40°	838.7	842.9	852.3	849.3	847.4
42.5°	804.3	808.5	816.8	812.3	809.6
45°	766.5	770.7	777.5	771.1	768.1
47.5°	725.7	730.6	734.0	726.9	723.1
50°	682.6	684.1	687.5	679.2	675.1
52.5°	635.8	635.8	638.4	629.3	624.4
55°	585.5	585.1	582.8	576.4	571.9
57.5°	532.2	529.9	528.4	521.6	516.3
60°	475.1	471.7	469.8	464.2	460.0
62.5°	415.4	413.5	411.2	406.7	402.2
65°	354.2	352.3	350.8	347.4	344.0
67.5°	293.3	292.2	292.2	289.9	289.5
70°	234.7	235.5	235.9	235.9	230.9
72.5°	181.8	182.2	184.1	182.6	182.2
75°	134.6	136.8	139.1	138.0	138.0
77.5°	96.8	100.2	100.2	99.4	98.3
80°	65.4	66.9	68.0	67.7	66.9
82.5°	41.6	42.7	41.6	42.3	42.7
85°	21.5	23.1	22.3	22.7	23.8
87.5°	7.2	7.9	8.3	7.9	7.9
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)