

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: PORTFOLIO

Report Number: P247723

Luminaire Tested: **LD8B90D010 ER8B90830 8LBS0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247723  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-88)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B90D010 ER8B90830 8LBS0MW  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 3000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10035.0 lumens  
Efficiency: N/A  
Efficacy: 116.6 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.24  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

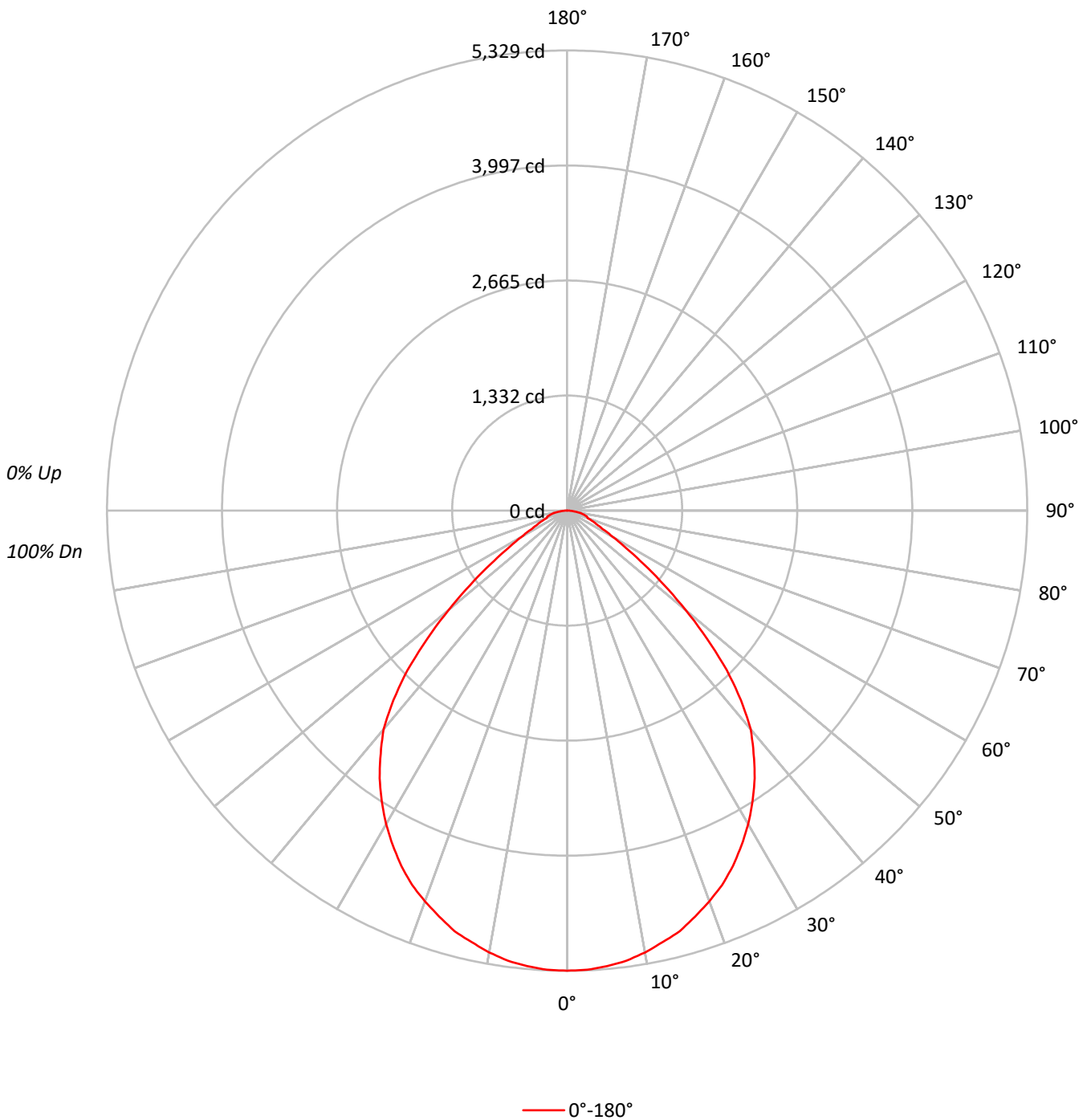
Input Watts (W): 86.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	57	55
6	77	66	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37
10	60	47	40	36	58	47	40	35	46	40	35	45	39	35	44	39	35	33

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	164317
5°	163905
10°	162682
15°	160987
20°	158016
25°	154514
30°	149320
35°	142536
40°	133104
45°	114016
50°	85732
55°	58111
60°	37805
65°	27741
70°	22657
75°	25675
80°	26921
85°	21830



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	502.5	5.0
10°-20°	1418.6	14.1
20°-30°	2087.0	20.8
30°-40°	2357.3	23.5
40°-50°	1985.2	19.8
50°-60°	1001.6	10.0
60°-70°	392.4	3.9
70°-80°	221.6	2.2
80°-90°	68.9	0.7
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°	4008.0	39.9
0°-40°	6365.3	63.4
0°-60°	9352.1	93.2
0°-90°	10035.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10035.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5329	
5°	5295	502
15°	5043	1419
25°	4541	2087
35°	3786	2357
45°	2614	1985
55°	1081	1002
65°	380	392
75°	216	222
85°	62	69
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5328.7
2.5°	5323.3
5°	5295.1
7.5°	5258.3
10°	5195.5
12.5°	5117.5
15°	5042.8
17.5°	4929.0
20°	4815.3
22.5°	4691.9
25°	4541.3
27.5°	4371.3
30°	4193.6
32.5°	3994.4
35°	3786.4
37.5°	3548.1
40°	3306.6
42.5°	2977.4
45°	2614.5
47.5°	2198.6
50°	1787.1
52.5°	1415.6
55°	1080.9
57.5°	814.5
60°	613.0
62.5°	467.9
65°	380.2
67.5°	309.8
70°	251.3
72.5°	242.6
75°	215.5
77.5°	179.8
80°	151.6
82.5°	96.4
85°	61.7
87.5°	19.5
90°	0.0

(END OF REPORT)