

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: P249657

Luminaire Tested: **LD8B200D010 ER8B2009730 8LBS0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249657  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-95)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B200D010 ER8B2009730 8LBS0GPH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 3000 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15838.0 lumens  
Efficiency: N/A  
Efficacy: 70.9 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.22  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

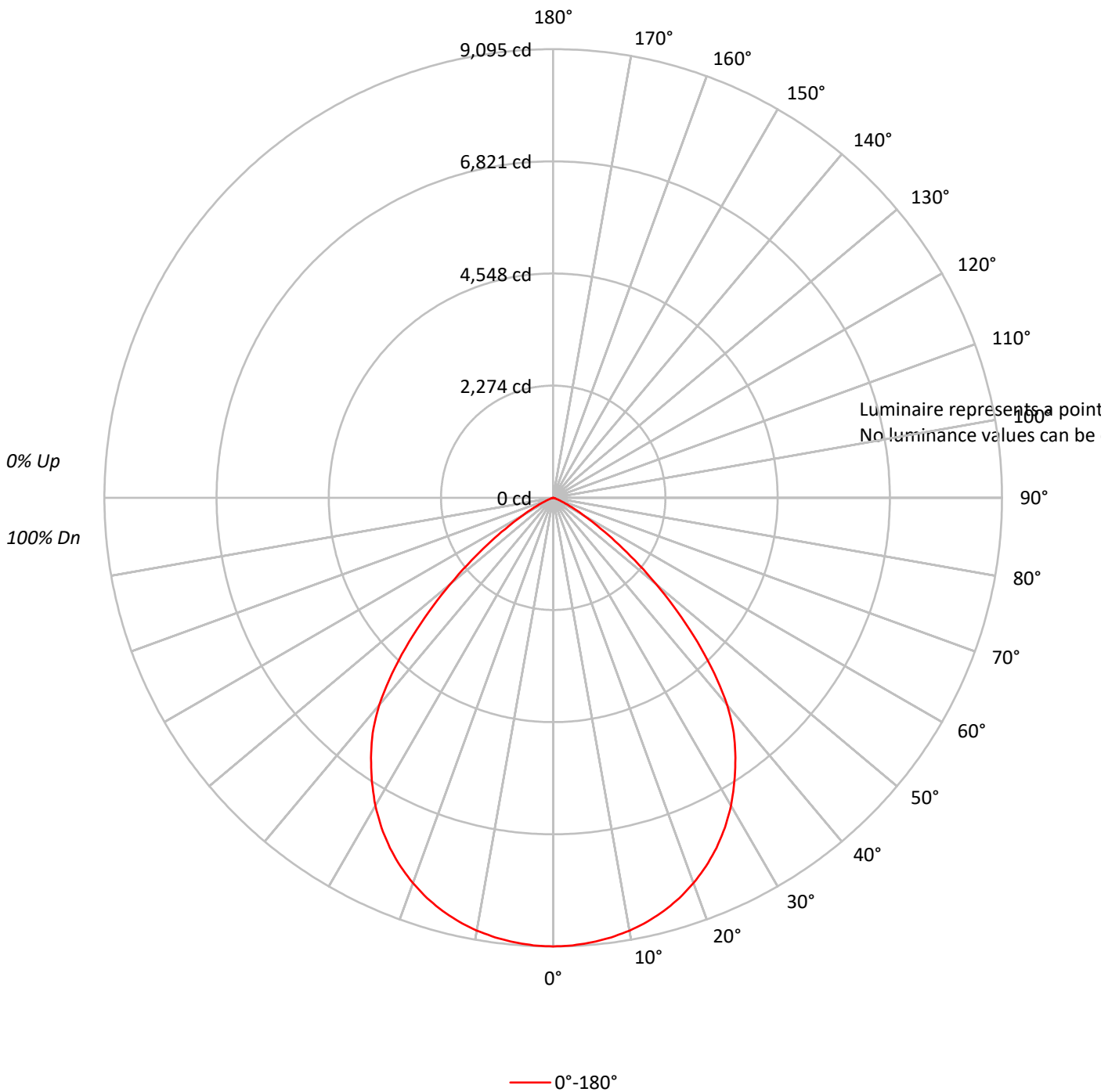
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	93	91
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72
4	91	82	75	69	89	80	74	69	78	73	68	76	71	67	74	70	66	65
5	85	75	67	62	83	73	67	62	72	66	61	70	64	60	68	63	60	58
6	79	68	61	56	78	67	60	55	66	59	55	64	59	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47
8	69	58	51	45	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	859.1	5.4
10°-20°	2442.6	15.4
20°-30°	3597.1	22.7
30°-40°	4005.0	25.3
40°-50°	3163.1	20.0
50°-60°	1418.1	9.0
60°-70°	313.0	2.0
70°-80°	35.3	0.2
80°-90°	4.7	0.0
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°	6898.8	43.6
0°-40°	10903.8	68.8
0°-60°	15485.0	97.8
0°-90°	15838.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15838.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9095	
5°	9045	859
15°	8669	2443
25°	7831	3597
35°	6438	4005
45°	4133	3163
55°	1531	1418
65°	274	313
75°	28	35
85°	3	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9094.8
2.5°	9081.0
5°	9044.8
7.5°	8988.9
10°	8909.5
12.5°	8802.6
15°	8669.3
17.5°	8506.6
20°	8311.5
22.5°	8087.0
25°	7831.1
27.5°	7536.0
30°	7208.6
32.5°	6833.1
35°	6438.0
37.5°	6013.5
40°	5488.0
42.5°	4838.1
45°	4133.2
47.5°	3415.6
50°	2718.5
52.5°	2081.3
55°	1531.3
57.5°	1069.6
60°	716.6
62.5°	453.9
65°	274.5
67.5°	152.9
70°	75.5
72.5°	41.2
75°	28.4
77.5°	20.6
80°	12.7
82.5°	6.9
85°	2.9
87.5°	1.0
90°	0.0

(END OF REPORT)