

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 ER8B200930 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 ER8B200930 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: 17754.3 lumens
Efficiency: N/A
Efficacy: 79.5 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

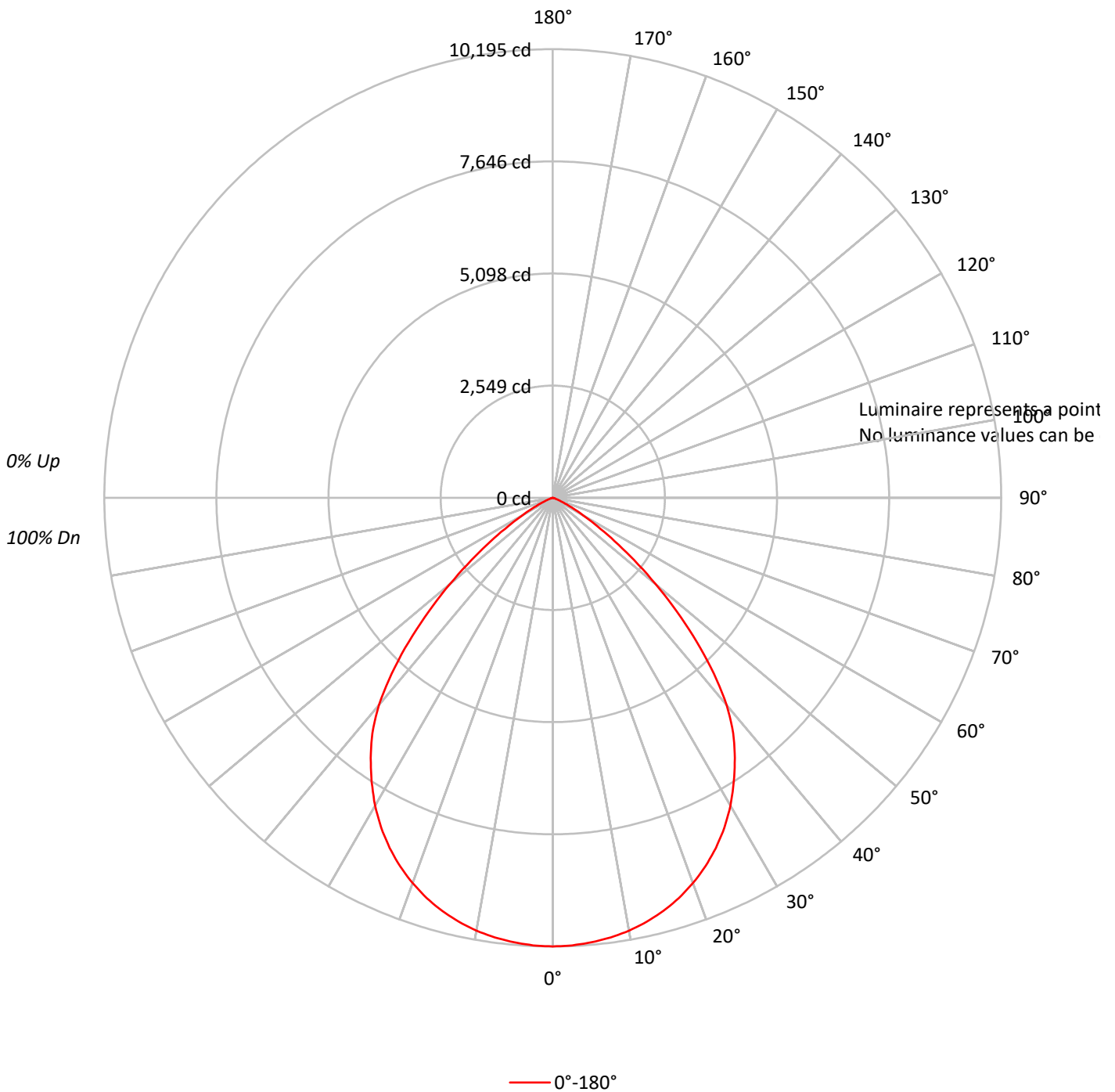
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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°	963.1	5.4
10°-20°	2738.2	15.4
20°-30°	4032.3	22.7
30°-40°	4489.6	25.3
40°-50°	3545.8	20.0
50°-60°	1589.7	9.0
60°-70°	350.9	2.0
70°-80°	39.6	0.2
80°-90°	5.2	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°	7733.6	43.6
0°-40°	12223.2	68.8
0°-60°	17358.7	97.8
0°-90°	17754.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17754.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10195	
5°	10139	963
15°	9718	2738
25°	8779	4032
35°	7217	4490
45°	4633	3546
55°	1717	1590
65°	308	351
75°	32	40
85°	3	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10195.3
2.5°	10179.8
5°	10139.2
7.5°	10076.6
10°	9987.5
12.5°	9867.7
15°	9718.3
17.5°	9535.9
20°	9317.2
22.5°	9065.5
25°	8778.7
27.5°	8447.9
30°	8080.8
32.5°	7659.9
35°	7217.0
37.5°	6741.1
40°	6152.0
42.5°	5423.5
45°	4633.3
47.5°	3828.9
50°	3047.4
52.5°	2333.1
55°	1716.6
57.5°	1199.0
60°	803.3
62.5°	508.8
65°	307.7
67.5°	171.4
70°	84.6
72.5°	46.2
75°	31.8
77.5°	23.1
80°	14.2
82.5°	7.7
85°	3.3
87.5°	1.1
90°	0.0

(END OF REPORT)